

Heavy-duty connectors

The right connector for every application

Heavy-duty connectors from the HEAVYCON complete series protect your interfaces and ensure the reliable transmission of power, data, and signals, even under the harshest conditions. They are resistant to dirt, water, vibrations, and high mechanical strain and remain sealed up to IP69K protection. Due to conductive surfaces and seals, all HEAVYCON metal housings are “EMC-ready”.

You can always create the right plug-in connection for your requirements with housings from our series types and matching contact inserts which can be combined.

Compatible insertion, flexible combination

All housing series fit on standard panel cutouts. ADVANCE housings can be mounted directly onto the wall using the panel mounting flange. STANDARD and EVO housings are mounting- and plug-in-compatible with aluminum housings from well-known manufacturers. This allows all components to be individually combined and flexibly modified, extended or exchanged. Our fixed position and modular contact inserts naturally fit into all housing series.

The right connection technology for every application

We offer contact inserts with a wide range of connection technologies. You'll find the right contact insert for every connector housing with intuitive Push-in connection technology.

HEAVYCON product range overview

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Contact inserts and housings	
Series D7	
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 Your web code: #0002



STANDARD connectors

The robust metal housings of the connectors are resistant to dirt, water, vibration, and high mechanical loads. STANDARD housings have a single or double locking latch. Various supporting base elements such as panel mounting bases, box mounting bases or coupling housings are available as required.



EVO connectors

The EVO connectors are characterized by the patented EVO-Lock system. It allows the cable outlet direction to be freely selected during assembly. It reduces the amount of housing variants required by up to 75%. The EVO housings are plug-in-compatible with aluminum housings from well-known manufacturers. They fit on standard panel cutouts.



ADVANCE connectors

By eliminating the typical panel mounting base, you save on assembly and material costs. The ADVANCE housings with screw locking are suitable for the most stringent requirements, such as particularly aggressive atmospheres and sensitive interfaces.



Contact inserts with a fixed number of positions

The fixed-position inserts are available in a variety of performance classes and with a range of connection technologies. Fast connection technologies, such as Push-in or QUICKON (IDC) connection, enable cable connection within seconds.



Modular contact inserts

Combine the appropriate modules for your application from our wide range of products: HEAVYCON modular includes over 50 contact inserts for signal, power, and data transmission and for pneumatic applications. The innovative module carrier frame with sturdy catch springs enables quick mounting.



Online product configurator

Use our online configurator to quickly and easily configure your connectors. A 3D preview and drag & drop simplify the selection process. The product list can be exported, e-mailed or ordered directly.

i Your web code: **#0003**



COM connectors

Thanks to their compact design, COM connectors are particularly space saving and are suitable for the cabling of decentral structures in automation technology. The comprehensive product range provides a high level of safety and protection against electromagnetic interferences.

Find out more with the web code

Detailed information on these products can be found on our website. Simply enter # followed by the numbers in the search field.





HEAVYCON HPR is intended for use in transport and transportation technology. The sleeve housing, panel mounting base, and surface mounting housing meet the increased requirements of the railway industry and are characterized by high vibration resistance. The conductive housing surface provides all-round protection in electromagnetic interference fields. They therefore guarantee the reliable transmission of data, signals, and power, e.g., at carriage transitions. Thanks to their IP68/IP69K degree of protection, the HPR housings can also be used safely outside on the carriage body. Corresponding contact inserts of the B, BB, BBB, DD, HV, and HS range and modular inserts, as well as the square A series extend the portfolio.

**Square B series**

The HEAVYCON HPR housings in the B series can be securely locked using the robust screw locking mechanism. They are resistant to vibrations and shocks in accordance with IEC 61373 / EN 50155.

**Compact D7 series**

HEAVYCON D7 housings enable signal and power transmission in a compact design. The new D7 size HPR housings are optimized for railway applications.

**Vibration-proof crimp connection**

Robust and vibration-proof contact inserts with crimp connection ensure the reliable transmission of signal and power circuits to rail vehicles. You can connect the wire/crimp contact quickly and easily using crimping pliers or a crimping machine.

**User-friendly Push-in connection**

Contact inserts with Push-in connection technology ensure quick and easy conductor connection: simply insert the conductor directly into the connection without tools, and the gas-tight, vibration- and shock-proof connection is complete.

Find out more with the web code

Detailed information on these products can be found on our website. Simply enter # followed by the numbers in the search field.



Heavy-duty connectors

HEAVYCON system cross-reference list – contact inserts and housings

The system cross-reference list illustrates which contact insert matches which housing type.

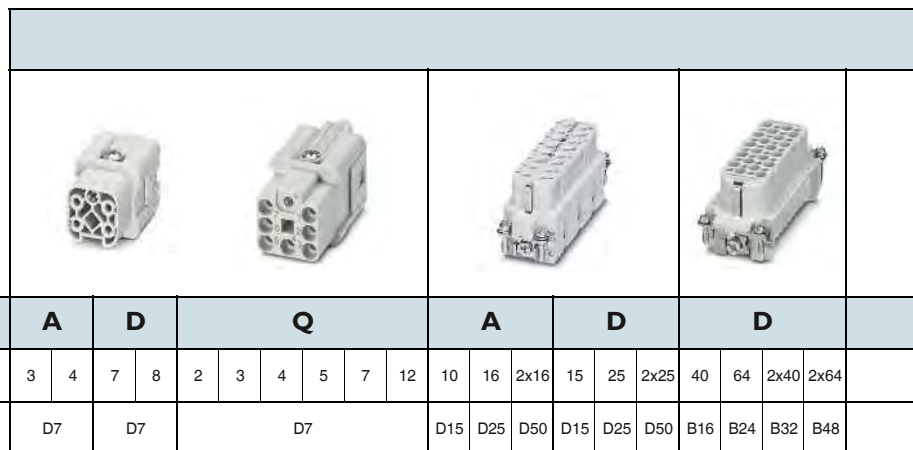
The upper rows describe the contact insert based on the number of positions, voltage, current, and connection method.

The entries in the columns denote the appropriate housing size.



Configure complete HEAVYCON connectors quickly and easily with our configurator:

i Your web code: **#0003**



Series	A		D		Q						A			D			D			
Number of positions	3	4	7	8	2	3	4	5	7	12	10	16	2x16	15	25	2x25	40	64	2x40	2x64
Housing size	D7		D7		D7						D15	D25	D50	D15	D25	D50	B16	B24	B32	B48
Rated voltage IEC [V]	230/400		250	50	400	400	830	230/400	400	400	250			250			250			
Rated current IEC [A]	24		10		40	40	40	24	10	10	20			10			10			
Rated voltage UL [V]	600		600	30	600	600	600	600	600	600	600			600			600			
Rated current UL [A]	16 - 24		12		50	50	50	24	17.5	15	16 - 19			10			10			

Connection method												
PT = Push-in	PT						PT					
UT = Screw	UT						UT					
CT = Crimp			CT	CT			CT	CT		CT		
Q = IDC / QUICKON	Q											
A = Axial screw				A								
P = Pneumatic												

Series	A		D		Q						A			D			D			
Number of positions	3	4	7	8	2	3	4	5	7	12	10	16	2x16	15	25	2x25	40	64	2x40	2x64
Page	504	504	506	506	510	510	510	508	506	506	518	520	520	522	522	522	534	534	534	534
From 514	•	•	•	•	•	•	•	•	•	•										
From 524											•			•						
From 528												•			•					
From 532													•			•				

HEAVYCON housings		
D7, D15 to D50, and EVO D housings		D7
		D15
		D25
		D50
EVO M1 sleeve housings, panel mounting bases		M1

STANDARD, EVO, and ADVANCE housings		B6
		B10
		B16
		B24
		B32
		B48

From 595																				
From 596																				
From 602																				
From 616																	•			
From 630																		•		
From 644																			•	
From 645																				•

HEAVYCON system cross-reference list – contact inserts and housings

HEAVYCON contact inserts

																																
	DD						B						BB						BBB				HV				HS				M	
	24	42	72	108	2x72	2x108	6	10	16	24	2x16	2x24	10	18	32	46	2x32	2x46	40	64	2x40	2x64	3+2	6+2	10+2	6	12	Variable				
	B6	B10	B16	B24	B32	B48	B6	B10	B16	B24	B32	B48	B6	B10	B16	B24	B32	B48	B16	B24	B32	B48	B10	B16	B24	B16	B32	B6 - B48				
	250						500						500						500				830				400/690				50 - 5000	
	10						16						16						16				16				41				5 - 200	
	600						600						600						600				600				600				30 - 600	
	10						10 - 16						16 - 20						16				16 - 21				35				5 - 146	
							PT						PT										PT				PT				PT	
							UT																UT				UT				UT	
	CT						CT						CT						CT				CT								CT	
							Q																									
																															A	
																															P	
	DD						B						BB						BBB				HV				HS				M	
	24	42	72	108	2x72	2x108	6	10	16	24	2x16	2x24	10	18	32	46	2x32	2x46	40		64		3+2	6+2	10+2	6	2x6	Variable				
	538	538	538	538	538	538	540	542	544	546	544	546	554	554	554	554	554	554	556		556		558	558	558	562	562	570				
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Heavy-duty connectors

HEAVYCON D7 – contact inserts

A3, A4 series

230 V / 400 V, 10 A ... 24 A

Connection technology:

- Push-in connection
- Screw connection
- Insulation displacement connection

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

Contact inserts already contain an IP67 sealing screw

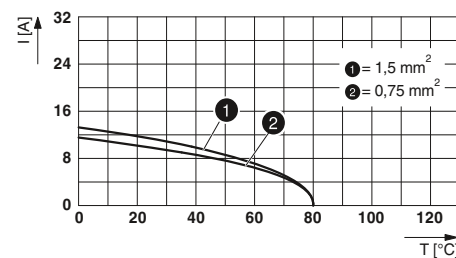
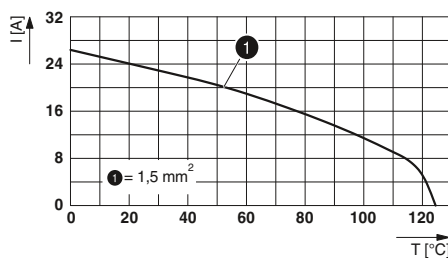
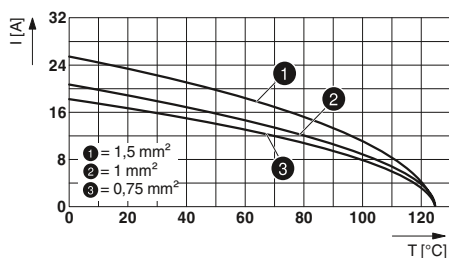
Only operate connectors when there is no load/the power is switched off

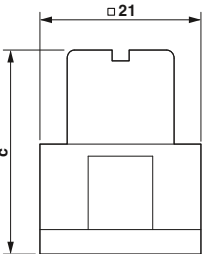
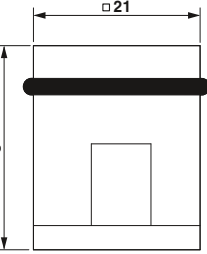
¹⁾ For flexible wires with wire end protection



Type	Technical data					
	① HC-A03-I-PT-...	② HC-A03-I-UT-...	③ HC-A3-...Q1,5-TFL-G-PA Sleeve housing	④ HC-A3-...Q1,5-KML-G-PA Coupling housing	⑤ HC-A04-I-PT-...	⑥ HC-A04-I-UT-...
Approvals						
IEC data						
Rated current, contacts (at 40°C)	[A]	10	24	10	10	24
Overvoltage category		III	III	III	III	III
Degree of pollution		3	3	3	3	3
Rated voltage (III/3) contacts	[V]	230 / 400	230 / 400	230 / 400	230 / 400	230 / 400
Rated surge voltage, contacts	[kV]	4	4	4	4	4
Connection cross section	[mm²]	0.14 ... 1.5 ¹⁾	0.5 ... 2.5 ¹⁾	0.75 ... 1.5	0.14 ... 1.5 ¹⁾	0.5 ... 2.5 ¹⁾
UL data						
Rated voltage	[V]	600	600	600	600	600
Rated current	[A]	17.5	24	10	16	24
Connection cross section	AWG	16	14	18-16	16	14
CSA / cUL data						
Rated voltage	[V]	600	600	600	600	600
Rated current	[A]	15	18	10	14	18
Connection cross section	AWG	16	14	18-16	16	14
Material data						
Contact carrier material		PC	PC	PA / PC	PC	PC
Inflammability class in acc. with UL 94		V0	V0	V0	V0	V0
Contact material		-	Copper alloy	Copper alloy	-	Copper alloy
Contact surface material		Ag	Ag	Ag	Ag	Ag
Ambient conditions						
Ambient temperature range	[°C]	-40 ... 125	-40 ... 125	-25 ... 80	-40 ... 125	-40 ... 125
General data						
Connection method		Push-in connection	Screw connection	QUICKON connection	Push-in connection	Screw connection
Stripping length	[mm]	10	5	-	10	5
Number of positions		3	3	3	4	4
Contact numbering		1 - 3	1 - 3	1 - 3	1 - 4	1 - 4
Insertion/withdrawal cycles		≥ 500	≥ 500	≥ 500	≥ 500	≥ 500

Derating curves



				Ordering data			Pcs./ Pkt.	Dimensions (in mm)
Description	Pos.	Number	Size	Type	Female	Male		
Push-in connection								
	3	1 - 3	D7	① HC-A03-I-PT...	1585265	1585252	1	 Dimensional drawing: female connector  Dimensional drawing: male connector
Screw connection	3	1 - 3	D7	② HC-A03-I-UT...	1585223	1585210	1	
								
Insulation displacement connection	3	1 - 3	D7	Sleeve housing ③ HC-A3-...Q1,5-TFL-G-PA	1641510	1641581	1	
								
Insulation displacement connection	3	1 - 3	D7	Coupling housing ④ HC-A3-...Q1,5-KML-G-PA	1641617	1641604	1	
								
Push-in connection	4	1 - 4	D7	⑤ HC-A04-I-PT...	1585281	1585278	1	
								
Screw connection	4	1 - 4	D7	⑥ HC-A04-I-UT...	1585249	1585236	1	
								

	a	b	c	d
① Female	21		28.5	
① Male				
② Female	21		28	
② Male			28.5	
③ Female	26.5		66	
③ Male				
④ Female	26.5		62.8	
④ Male				
⑤ Female	21		33.5	
⑤ Male			34	
⑥ Female	21		28.5	
⑥ Male				

Accessories



Coding profiles
From page 656



Replacement sealing screws
From page 663

Heavy-duty connectors

HEAVYCON D7 – contact inserts

D7, D8, Q7, Q12 series

50 V ... 400 V, 10 A

Connection technology:

– Crimp connection CK 1,6

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

Order crimp contacts separately

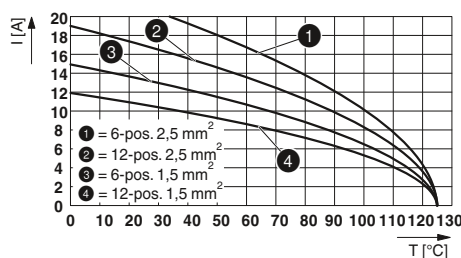
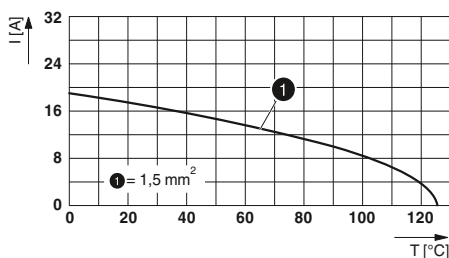
Only operate connectors when there is no load/the power is switched off

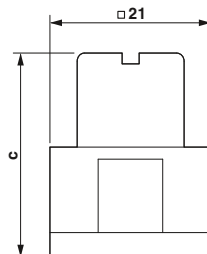
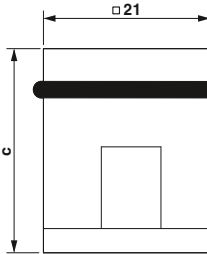
1) Only for plastic housings



Type	Technical data			
	① HC-D 7-I-CT...	② HC-D 8-I-CT... without PE	③ HC-Q07-I-CT...	④ HC-Q12-I-CT...
Approvals	UL ENEC RL	UL ENEC RL	UL ENEC RL	UL ENEC RL
IEC data				
Rated current, contacts (at 40°C)	[A] 10	10	10	10
Overtoltage category	III	III	III	III
Degree of pollution	3	3	3	3
Rated voltage (III/3) contacts	[V] 250 ¹⁾	50	400	400
Rated surge voltage, contacts	[kV] 4	0.8	6	6
Connection cross section	[mm²] 0.14 ... 2.5	0.14 ... 2.5	0.14 ... 2.5	0.14 ... 2.5
UL data				
Rated voltage	[V] 600	600	600	600
Rated current	[A] 12	12	17.5	15
Connection cross section	AWG 14	14	14	14
CSA / cUL data				
Rated voltage	[V] 600	600	600	600
Rated current	[A] 10	10	13.5	12
Connection cross section	AWG 14	14	14	14
Material data				
Contact carrier material	PC	PC	PC	PC
Inflammability class in acc. with UL 94	V0	V0	V0	V0
Contact material	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Contact surface material	Ag (alternatively Au)	Ag (alternatively Au)	Ag (alternatively Au)	Ag (alternatively Au)
Temperature data				
Ambient temperature range	[°C] -40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125
General data				
Connection method	Crimp connection	Crimp connection	Crimp connection	Crimp connection
Stripping length	[mm] 8	8	8	8
Number of positions	7	8	7	12
Contact numbering	1 - 7	1 - 8	1 - 7	1 - 12
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	≥ 500

Derating curves



				Ordering data																																											
Description	Pos.	Number	Size	Type	Order No.		Pcs./ Pkt.	Dimensions (in mm)																																							
					Female	Male																																									
Crimp connection CK 1,6								 Dimensional drawing: female connector																																							
	7	1 - 7	D7	① HC-D 7-I-CT-...	1584347	1584334	1																																								
Crimp connection CK 1,6								 Dimensional drawing: male connector																																							
	8	1 - 8	D7	without PE ② HC-D 8-I-CT-...	1584363	1584350	1																																								
Crimp connection CK 1,6																																															
	7	1 - 7	D7	③ HC-Q07-I-CT-...	1418623	1418624	1																																								
Crimp connection CK 1,6																																															
	12	1 - 12	D7	④ HC-Q12-I-CT-...	1418625	1418626	1																																								
Turned crimp contacts CK 1,6 Silver-plated								<table><tr><th></th><th>a</th><th>b</th><th>c</th><th>d</th></tr><tr><td>① Female</td><td>21</td><td></td><td>32</td><td></td></tr><tr><td>② Female</td><td>21</td><td></td><td>32</td><td></td></tr><tr><td>③ Female</td><td>21</td><td></td><td>40.1</td><td></td></tr><tr><td>④ Female</td><td>21</td><td></td><td>43.1</td><td></td></tr><tr><td>Male</td><td></td><td></td><td>39.5</td><td></td></tr><tr><td>Male</td><td></td><td></td><td>40.8</td><td></td></tr></table>						a	b	c	d	① Female	21		32		② Female	21		32		③ Female	21		40.1		④ Female	21		43.1		Male			39.5		Male			40.8	
	a	b	c	d																																											
① Female	21		32																																												
② Female	21		32																																												
③ Female	21		40.1																																												
④ Female	21		43.1																																												
Male			39.5																																												
Male			40.8																																												
																																															

Accessories



Crimping tools
From page 670



Dummy sockets
phoenixcontact.net/products



Replacement sealing screws
From page 663

Heavy-duty connectors

HEAVYCON D7 – contact inserts

Q5 series

230 V / 400 V, 24 A

Connection technology:

– Crimp connection CK 2,5

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

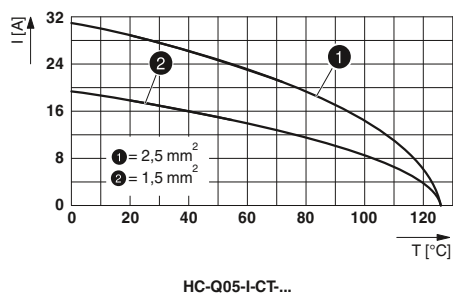
Order crimp contacts separately

Only operate connectors when there is no load/the power is switched off

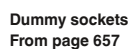
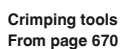


Technical data				
Type	① HC-Q05-I-CT...			
Approvals				
IEC data				
Rated current, contacts (at 40°C)	[A]	24		
Overtoltage category		III		
Degree of pollution		3		
Rated voltage (III/3) contacts	[V]	230 / 400		
Rated surge voltage, contacts	[kV]	4		
Connection cross section	[mm²]	0.5 ... 2.5		
UL data				
Rated voltage	[V]	600		
Rated current	[A]	24		
Connection cross section	AWG	14		
CSA / cUL data				
Rated voltage	[V]	600		
Rated current	[A]	15		
Connection cross section	AWG	14		
Material data				
Contact carrier material		PC		
Inflammability class in acc. with UL 94		V0		
Contact material		Copper alloy		
Contact surface material		Ag (alternatively Au)		
Temperature data				
Ambient temperature range	[°C]	-40 ... 125		
General data				
Connection method		Crimp connection		
Hexagonal socket	[mm]	-		
Stripping length	[mm]	7.5		
Number of positions		5		
Contact numbering		1 - 5		
Insertion/withdrawal cycles		≥ 500		

Derating curves



Accessories



Heavy-duty connectors

HEAVYCON D7 – contact inserts

Q2, Q3, Q4 series

400 V, 40 A

Connection technology:

- Axial screw connection
- Crimp connection CK 4,0

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

Order crimp contacts separately

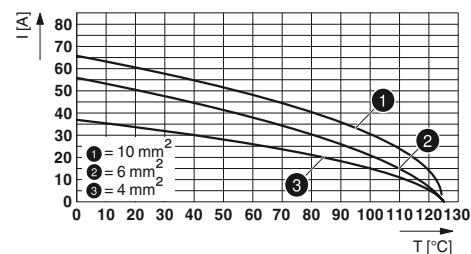
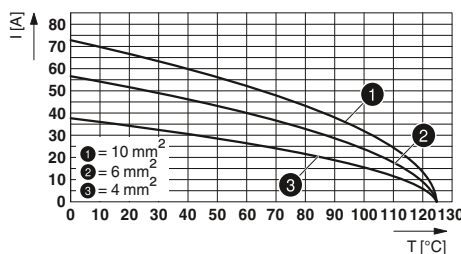
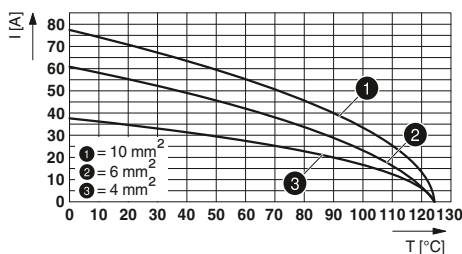
Only operate connectors when there is no load/the power is switched off

¹⁾ Only for plastic housings



Type	Technical data			
	① HC-HS 2-D7-E...S	② HC-Q02-I-CT...	③ HC-Q03-I-CT...	④ HC-Q04-I-CT... without PE
Approvals	ERC	ERC	ERC	ERC
IEC data				
Rated current, contacts (at 40°C)	[A] 40	40	40	40
Overvoltage category	III	III	III	III
Degree of pollution	3	3	3	3
Rated voltage (III/3) contacts	[V] 400	400	400	830 ¹⁾
Rated surge voltage, contacts	[kV] 6	6	6	8
Connection cross section	[mm ²] 4 ... 10	1.5 ... 6	1.5 ... 6	1.5 ... 6
UL data				
Rated voltage	[V] -	-	-	-
Rated current	[A] -	-	-	-
Connection cross section	AWG -	-	-	-
CSA / cUL data				
Rated voltage	[V] -	-	-	-
Rated current	[A] -	-	-	-
Connection cross section	AWG -	-	-	-
Material data				
Contact carrier material	PC	PC	PC	PC
Inflammability class in acc. with UL 94	V0	V0	V0	V0
Contact material	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Contact surface material	Ag	Ag	Ag	Ag
Temperature data				
Ambient temperature range	[°C] -40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125
General data				
Connection method	Axial screw connection	Crimp connection	Crimp connection	Crimp connection
Hexagonal socket	[mm] 2	-	-	-
Stripping length	[mm] 8	9	9	9
Number of positions	2	2	3	4
Contact numbering	1 - 2	1 - 2	1 - 2	1 - 4
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	≥ 500

Derating curves



Ordering data							
Description	Pos.	Number	Size	Type	Order No.		Pcs./ Pkt.
					Female	Male	
Axial screw connection							
	2	1 - 2	D7	① HC-HS 2-D7-E...S	1586264	1586277	10
Crimp connection CK 4,0							
	2	1 - 2	D7	② HC-Q02-I-CT...	1419895	1419893	1
Crimp connection CK 4,0							
	3	1 - 2	D7	③ HC-Q03-I-CT...	1419897	1419896	1
Crimp connection CK 4,0							
	4	1 - 4	D7	without PE ④ HC-Q04-I-CT...	1419899	1419898	1
Turned crimp contacts CK 4,0 Silver-plated							
			Cross section mm² / AWG				
			1.5 - 1.5 / 16	CK4,0-ED-1,50... AG	1663271	1663239	25
			2.5 - 2.5 / 14	CK4,0-ED-2,50... AG	1663284	1663242	25
			4 - 4 / 12	CK4,0-ED-4,00... AG	1663297	1663255	25
			6 - 6 / 10	CK4,0-ED-6,00... AG	1663307	1663268	25
			10 - 10 / 8	CK4,0-ED-10,00... AG	1586183	1586198	25

</

Accessories



Crimping tools
From page 670



HC-HS 2... coding profiles
From page 656



Coding profiles
From page 656

Heavy-duty connectors

HEAVYCON D7 – contact inserts

Q series, RJ45 modules

Connection technology:
– RJ45 and RJ1

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

Only operate connectors when there is no load/the power is switched off

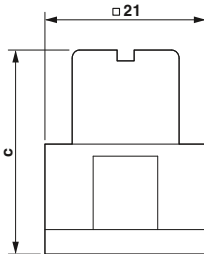
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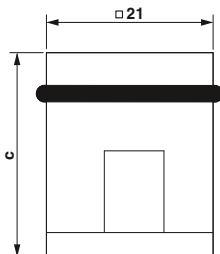
Type	Technical data			
	① HC-Q-I-RJ45 GC-... RJ45, CAT6	② HC-Q-I-RJ45-08-... RJ45, CAT6	③ HC-Q-I-RJ45-AD-PC-... for RJ45 patch cable	④ HC-Q-I-RJ45I-AD-08-PC-... for RJ industrial inserts
Approvals	-	-	-	-
IEC data				
Rated current, contacts (at 40°C)	[A] -	1	1	1
Overvoltage category	III	III	III	III
Degree of pollution	3	3	3	3
Rated voltage (III/3) contacts	[V] -	50	50	50
Rated surge voltage, contacts	[kV] -	0.8	0.8	0.8
Connection cross section	[mm²] -	-	-	-
UL data				
Rated voltage	[V] -	-	-	-
Rated current	[A] -	-	-	-
Connection cross section	AWG -	-	-	-
CSA / cUL data				
Rated voltage	[V] -	-	-	-
Rated current	[A] -	-	-	-
Connection cross section	AWG -	-	-	-
Material data				
Contact carrier material	-	PC	PC	PC
Inflammability class in acc. with UL 94	V0	V0	V0	V0
Contact material	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Contact surface material	-	Au	Au	Au
Temperature data				
Ambient temperature range	[°C] -40 ... 70	-25 ... 60	-25 ... 60	-40 ... 70
General data				
Connection method	-	-	-	-
Stripping length	[mm] -	-	-	-
Number of positions	8	8	8	8
Contact numbering	-	-	-	-
Insulation resistance	[GΩ] -0.1	-	-	-
Contact resistance	[mΩ] -	-	-	-
Insertion/withdrawal cycles	-	-	-	≥ 500

Ordering data							
Description	Pos.	Number	Size	Type	Order No.		Pcs./ Pkt.
					Female	Male	
RJ45 gender changer 	8		D7	RJ45, CAT6 ① HC-Q-I-RJ45 GC-...	1422590		1
RJ45 pin insert 	8		D7	RJ45, CAT6 ② HC-Q-I-RJ45-08-...		1077117	1
RJ45 adapter 	8		D7	for RJ45 patch cable ③ HC-Q-I-RJ45-AD-PC-...		1077120	1
RJ45 adapter 	8		D7	for RJ industrial inserts ④ HC-Q-I-RJ45I-AD-08-PC-...		1077119	1
RJ45 patch cable Length: 1 m 			CAT6 _A CAT6 CAT5e	NBC-R4AC1/1,0-94G/R4AC1-BU FL CAT6 PATCH 1,0 FL CAT5 PATCH 1,0		1413160 2891385 2832276	1 10 10
RJ45 connector, IP20, CAT5e 			Cross section mm ² / AWG 0.14 - 0.25 / 26 - 24 0.23 - 0.32 / 23 - 22	CUC-INI-C1ZNI-S/R4IE8 CUC-INI-C1ZNI-S/R4IP8		1421608 1421129	1 1

Dimensions (in mm)



Dimensional drawing: female connector



Dimensional drawing: male connector

	a	b	c	d
① Female	21		39	
② Female				
② Male	21		22	
③ Female				
③ Male	21		20.5	
④ Female				
④ Male	21		35	

Accessories



RJ45 patch cables
From page 721

Heavy-duty connectors

HEAVYCON D7 – housings

Size D7, plastic, sleeve housings for single locking latch

General data

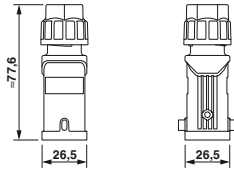
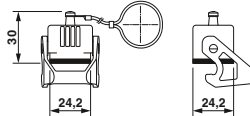
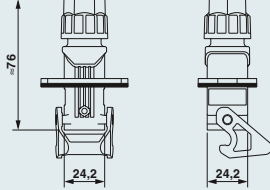
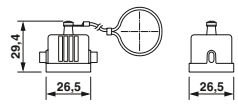
Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

PA
PA
NBR, conductive
IP66
-40°C ... 125°C



Ordering data

Description	Clamping area	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 77.6 mm 	4 mm ... 10 mm 10 mm ... 16 mm	HC-STA-D07-HHFS-1TGM20-PL-BK HC-STA-D07-HHFS-1TGM25-PL-BK	1419255 1419256	1 1	
Sleeve housing Height: 54.5 mm 	4 mm ... 10 mm 10 mm ... 16 mm	HC-STA-D07-HHFS-1SGM20-PL-BK HC-STA-D07-HHFS-1SGM25-PL-BK	1419257 1419258	1 1	
Protective cover, for housing sizes: Height: 30 mm 		D7, for female insert HC-STA-D07-HCLWS-PLR-BK D7, for male insert HC-STA-D07-HCLWS-PL-BK	1419274 1419275	1 1	
Feed-through housing, with single locking latch Height: 76 mm 	4 mm ... 10 mm	HC-STA-D07-CHPWS-1TGM20-PL-BK	1419269	1	
Protective cover, for coupling housings: Height: 29.4 mm 		D7, for female insert HC-STA-D07-BCLFS-PLR-BK D7, for male insert HC-STA-D07-BCLFS-PL-BK	1419270 1419271	1 1	

Accessories



Replacement sealing screws
From page 663



Replacement latches
phoenixcontact.net/products

Size D7, metal, sleeve housings for single locking latch



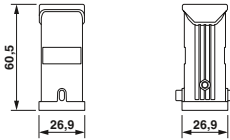
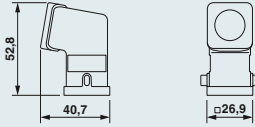
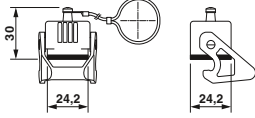
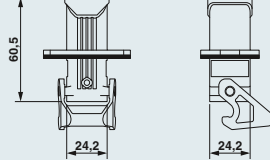
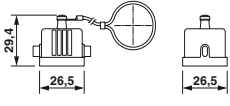
General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 60.5 mm 	1x M20 1x M25 1x Pg11	HC-STA-D07-HHFS-1TTM20-EL-AL HC-STA-D07-HHFS-1TTM25-EL-AL HC-STA-D07-HHFS-1TTP11-EL-AL	1419229 1419231 1419232	1 1 1	
Sleeve housing Height: 52.8 mm 	1x M20 1x M25 1x Pg11	HC-STA-D07-HHFS-1STM20-EL-AL HC-STA-D07-HHFS-1STM25-EL-AL HC-STA-D07-HHFS-1STP11-EL-AL	1419235 1419236 1419237	1 1 1	
Protective cover, for housing sizes: Height: 30 mm 		D7, for female insert HC-STA-D07-HCLWS-PLR-BK D7, for male insert HC-STA-D07-HCLWS-PL-BK	1419274 1419275	1 1	
Feed-through housing, with single locking latch Height: 60.5 mm 	1x M20	HC-STA-D07-CHPWS-1TGM20-EL-AL	1419242	1	
Protective cover, for coupling housings: Height: 29.4 mm 		D7, for female insert HC-STA-D07-BCLFS-PLR-BK D7, for male insert HC-STA-D07-BCLFS-PL-BK	1419270 1419271	1 1	

Accessories



Cable glands
From page 686



Replacement sealing screws
From page 663



Replacement latches
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON D7 – housings

Size D7, plastic, supporting base elements with single locking latch

General data

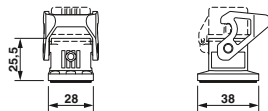
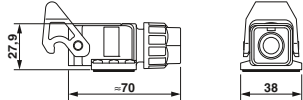
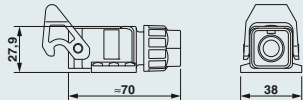
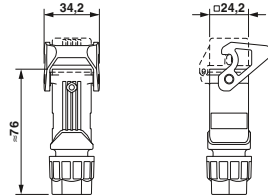
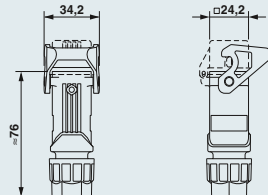
Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

PA
PA
NBR
IP66
-40°C ... 125°C



Ordering data

Description	Clamping area	Type	Order No.	Pcs./Pkt.	Dimensions
Panel mounting base Height: 25.5 mm 		Without cover HC-STA-D07-BWS-PL-BK With cover, for female inserts HC-STA-D07-BWSCF-PL-BK With cover, for male inserts HC-STA-D07-BWSCM-PL-BK	1419265 1419277 1419278	1 1 1	
Panel mounting base Height: 27.9 mm 		Angled version HC-STA-D07-BAWS-PL-BK	1419266	1	
Box mounting base Height: 27.9 mm 	4 mm ... 10 mm	open floor HC-STA-D07-SHOWS-1SGM20-PL-BK	1419267	1	
Box mounting base Height: 28 mm 	4 mm ... 10 mm	enclosed floor HC-STA-D07-SHCWS-1SGM20-PL-BK	1419268	1	
Coupling housing Height: 76 mm 	4 mm ... 10 mm 10 mm ... 16 mm	Without cover HC-STA-D07-CHWS-1TGM20-PL-BK HC-STA-D07-CHWS-1TGM25-PL-BK	1419259 1419260	1 1	
Coupling housing Height: 76 mm 	4 mm ... 10 mm 10 mm ... 16 mm 4 mm ... 10 mm 10 mm ... 16 mm	With cover, for female inserts HC-STA-D07-CHWSCF-1TGM20-PL-BK HC-STA-D07-CHWSCF-1TGM25-PL-BK With cover, for male inserts HC-STA-D07-CHWSCM-1TGM20-PL-BK HC-STA-D07-CHWSCM-1TGM25-PL-BK	1419261 1419262 1419263 1419264	1 1 1 1	

Accessories



Protective covers
From page 654



Replacement sealing screws
From page 663



Replacement seals
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

Size D7, metal, supporting base elements with single locking latch



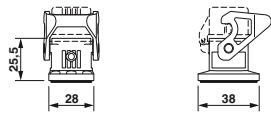
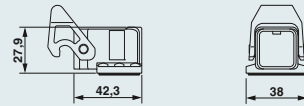
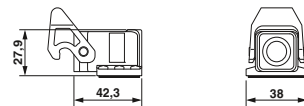
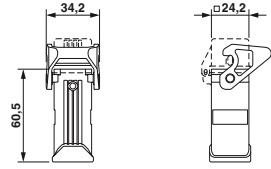
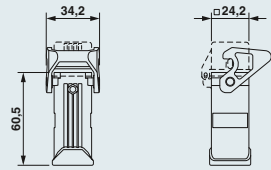
General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR
IP66 / IP67
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Panel mounting base Height: 25.5 mm 		Without cover HC-STA-D07-BWS-EL-AL With cover, for female inserts HC-STA-D07-BWSCF-EL-AL With cover, for male inserts HC-STA-D07-BWSCM-EL-AL	1419249 1419251 1419250	1 1 1	
Panel mounting base Height: 28.5 mm 		Angled version HC-STA-D07-BAWS-EL-AL	1419252	1	
Box mounting base Height: 27.9 mm 	1x M20 1x Pg11	open floor HC-STA-D07-SHOWS-1STM20-EL-AL HC-STA-D07-SHOWS-1STP11-EL-AL	1419253 1419233	1 1	
Box mounting base Height: 27.9 mm 	1x M20 1x Pg11	enclosed floor HC-STA-D07-SHCWS-1STM20-EL-AL HC-STA-D07-SHCWS-1STP11-EL-AL	1419234 1419241	1 1	
Coupling housing Height: 60.5 mm 	1x M20 1x M25 1x Pg11	Without cover HC-STA-D07-CHWS-1TTM20-EL-AL HC-STA-D07-CHWS-1TTM25-EL-AL HC-STA-D07-CHWS-1TTP11-EL-AL	1419238 1419239 1419240	1 1 1	
Coupling housing Height: 60.5 mm 	1x M20 1x M25 1x Pg11 1x M20 1x M25 1x Pg11	With cover, for female inserts HC-STA-D07-CHWSCF-1TTM20-EL-AL HC-STA-D07-CHWSCF-1TTM25-EL-AL HC-STA-D07-CHWSCF-1TTP11-EL-AL With cover, for male inserts HC-STA-D07-CHWSCM-1TTM20-EL-AL HC-STA-D07-CHWSCM-1TTM25-EL-AL HC-STA-D07-CHWSCM-1TTP11-EL-AL	1419243 1419244 1419245 1419246 1419247 1419248	1 1 1 1 1 1	

Accessories



Protective covers
From page 654



Cable glands
From page 686



Replacement seals
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON D – contact inserts

A10 series

250 V, 16 A ... 20 A

Connection technology:

- Push-in connection
- Screw connection
- Crimp connection

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

Order crimp contacts separately

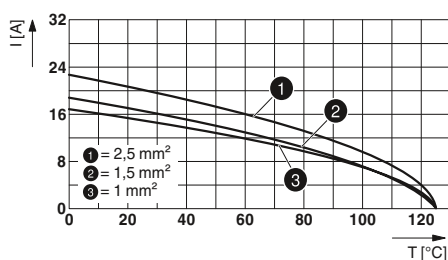
Only operate connectors when there is no load/the power is switched off

¹⁾ For flexible wires with wire end protection

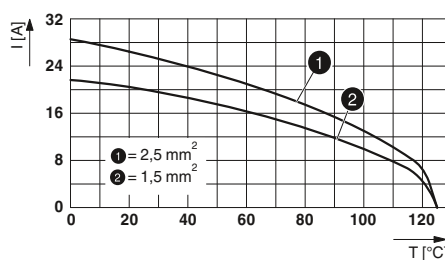


Type	Technical data			
	① HC-A 10-I-PT...	② HC-A 10-I-UT...	③ HC-A 10-E...C	
Approvals	UL ENEC RL	UL ENEC RL	UL ENEC	
IEC data				
Rated current, contacts (at 40°C)	[A] 16	20	16	
Overtoltage category	III	III	III	
Degree of pollution	3	3	3	
Rated voltage (III/3) contacts	[V] 250	250	250	
Rated surge voltage, contacts	[kV] 4	4	4	
Connection cross section	[mm²] 0.14 ... 2.5 ¹⁾	0.5 ... 2.5	0.5 ... 4	
UL data				
Rated voltage	[V] 600	600	600	
Rated current	[A] 17	19	-	
Connection cross section	AWG 14	14	-	
CSA / cUL data				
Rated voltage	[V] 600	600	600	
Rated current	[A] 14	15	10	
Connection cross section	AWG 14	14	20-13	
Material data				
Contact carrier material	PC	PC	PA	
Inflammability class in acc. with UL 94	V0	V0	V0	
Contact material	Copper alloy	Copper alloy	Copper alloy	
Contact surface material	Ag	Ag	Ag (alternatively Au)	
Temperature data				
Ambient temperature range	[°C] -40 ... 125	-40 ... 125	-40 ... 125	
General data				
Connection method	Push-in connection	Screw connection	Crimp connection	
Stripping length	[mm] 8	7	8	
Number of positions	10	10	10	
Contact numbering	1 - 10	1 - 10	1 - 10	
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	

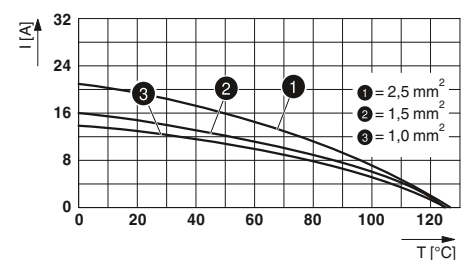
Derating curves



HC-A 10-I-PT...

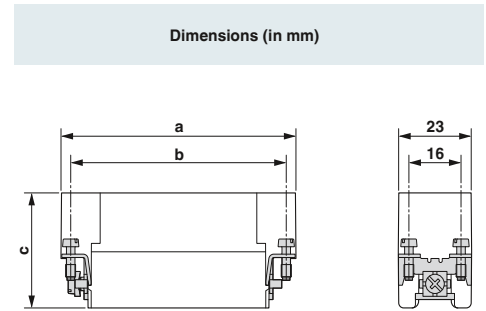


HC-A 10-I-UT...

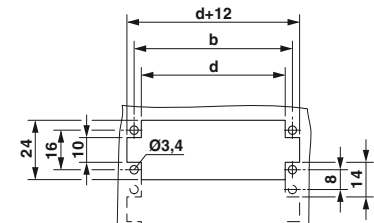


HC-A 10-E...C

				Ordering data			
Description	Pos.	Number	Size	Type	Order No.		Pcs./ Pkt.
					Female	Male	
Push-in connection							
	10	1 - 10	D15	① HC-A 10-I-PT...	1585362	1585359	1
Screw connection							
	10	1 - 10	D15	② HC-A 10-I-UT...	1585304	1585294	1
Crimp connection CK 2,5							
	10	1 - 10	D15	③ HC-A 10-E...C	1676983	1676996	10
Turned crimp contacts CK 2,5 Silver-plated		Cross section mm ² / AWG					
		0.5 - 0.5 / 20		CK2,5-ED-0,50... AG	1663640	1663572	100
		0.75 - 0.75 / 18		CK2,5-ED-0,75... AG	1663653	1663585	100
		0.75 - 1 / 18		CK2,5-ED-1,00... AG	1663666	1663598	100
		1.5 - 1.5 / 16		CK2,5-ED-1,50... AG	1663679	1663608	100
		2.5 - 2.5 / 14		CK2,5-ED-2,50... AG	1663682	1663611	100
		4 - 4 / 12		CK2,5-ED-4,00... AG	1663705	1663637	100
Turned crimp contacts CK 2,5 Gold-plated		Cross section mm ² / AWG					
		0.5 - 0.5 / 20		CK2,5-ED-0,50... AU	1674859	1674804	100
		0.75 - 1 / 18		CK2,5-ED-1,00... AU	1674833	1674781	100
		1.5 - 1.5 / 16		CK2,5-ED-1,50... AU	1674820	1674778	100
		2.5 - 2.5 / 14		CK2,5-ED-2,50... AU	1674862	1674817	100
		4 - 4 / 12		CK2,5-ED-4,00... AU	1674846	1674794	100



Dimensional drawing



Panel cutout

	a	b	c	d
① Female	55.5	49.5	34.1	43.5
① Male				
② Female	55.5	49.5	31.5	43.5
② Male			34.1	
③ Female	56.5	49.5	30	43.5
③ Male			33	

Accessories



Crimping tools
From page 670



Coding profiles
From page 656



Coding elements
From page 657



Replacement PE screws
From page 662

Heavy-duty connectors

HEAVYCON D – contact inserts

A16 series

250 V, 16 A ... 20 A

Connection technology:

- Push-in connection
- Screw connection
- Crimp connection

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

Order crimp contacts separately

Only operate connectors when there is no load/the power is switched off

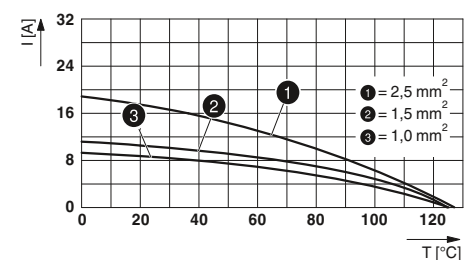
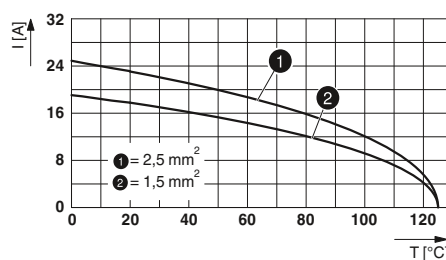
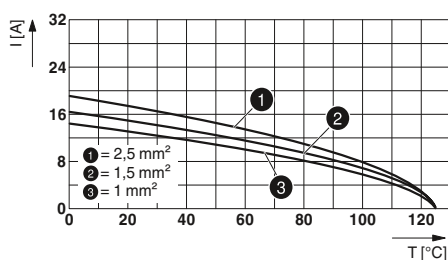
1) For flexible wires with wire end protection



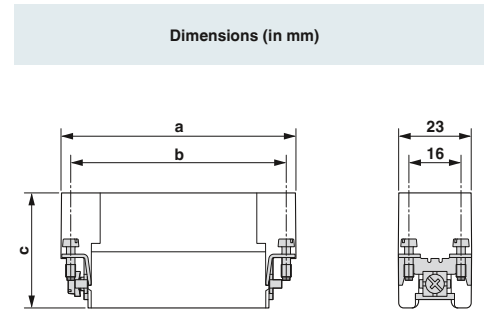
Technical data

Type	① ② HC-A 16-I-PT...	③ ④ HC-A 16-I-UT...	⑤ ⑥ HC-A 16-E...C
Approvals	UL ENEC RL	UL ENEC RL	UL ENEC
IEC data			
Rated current, contacts (at 40°C)	[A] 16	20	16
Overtoltage category	III	III	III
Degree of pollution	3	3	3
Rated voltage (III/3) contacts	[V] 250	250	250
Rated surge voltage, contacts	[kV] 4	4	4
Connection cross section	[mm²] 0.14 ... 2.5¹)	0.5 ... 2.5	0.5 ... 4
UL data			
Rated voltage	[V] 600	600	600
Rated current	[A] 16	19	-
Connection cross section	AWG 14	14	-
CSA / cUL data			
Rated voltage	[V] 600	600	600
Rated current	[A] 13	15	10
Connection cross section	AWG 14	14	20-13
Material data			
Contact carrier material	PC	PC	PA
Inflammability class in acc. with UL 94	V0	V0	V0
Contact material	Copper alloy	Copper alloy	Copper alloy
Contact surface material	Ag	Ag	Ag (alternatively Au)
Temperature data			
Ambient temperature range	[°C] -40 ... 125	-40 ... 125	-40 ... 125
General data			
Connection method	Push-in connection	Screw connection	Crimp connection
Stripping length	[mm] 8	7	8
Number of positions	16	16	16
Contact numbering	1 - 16	1 - 16	1 - 16
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500

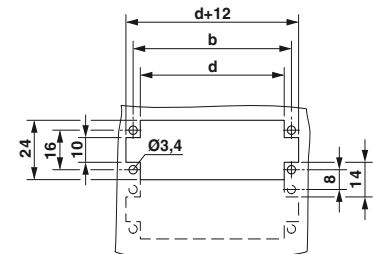
Derating curves



				Ordering data			
Description	Pos.	Number	Size	Type	Order No.		Pcs./ Pkt.
					Female	Male	
Push-in connection							
	16	1 - 16	D25 / D50	① HC-A 16-I-PT-...	1585388	1585375	1
	16	17 - 32	D25 / D50	② HC-A 16-I-PT-...-32	1585401	1585391	1
Screw connection							
	16	1 - 16	D25 / D50	③ HC-A 16-I-UT-...	1585320	1585317	1
	16	17 - 32	D25 / D50	④ HC-A 16-I-UT-...-32	1585346	1585333	1
Crimp connection CK 2,5							
	16	1 - 16	D25 / D50	⑤ HC-A 16-E...C	1677018	1677034	10
	16	17 - 32	D25 / D50	⑥ HC-A 16-E...C-32	1677050	1677076	10
Turned crimp contacts CK 2,5			Cross section mm ² / AWG				
Silver-plated			0.5 - 0.5 / 20	CK2,5-ED-0,50... AG	1663640	1663572	100
			0.75 - 0.75 / 18	CK2,5-ED-0,75... AG	1663653	1663585	100
			0.75 - 1 / 18	CK2,5-ED-1,00... AG	1663666	1663598	100
			1.5 - 1.5 / 16	CK2,5-ED-1,50... AG	1663679	1663608	100
			2.5 - 2.5 / 14	CK2,5-ED-2,50... AG	1663682	1663611	100
			4 - 4 / 12	CK2,5-ED-4,00... AG	1663705	1663637	100
Turned crimp contacts CK 2,5			Cross section mm ² / AWG				
Gold-plated			0.5 - 0.5 / 20	CK2,5-ED-0,50... AU	1674859	1674804	100
			0.75 - 1 / 18	CK2,5-ED-1,00... AU	1674833	1674781	100
			1.5 - 1.5 / 16	CK2,5-ED-1,50... AU	1674820	1674778	100
			2.5 - 2.5 / 14	CK2,5-ED-2,50... AU	1674862	1674817	100
			4 - 4 / 12	CK2,5-ED-4,00... AU	1674846	1674794	100



Dimensional drawing



Panel cutout

		a	b	c	d
①	Female			31.5	
	Male	72	66	34.1	60
②	Female			31.5	
	Male	72	66	34.1	60
③	Female			31.5	
	Male	72	66	34.1	60
④	Female			31.5	
	Male	72	66	34.1	60
⑤	Female			31.7	
	Male	72	66	31.8	60
⑥	Female			31.7	
	Male	72	66	31.8	60

Accessories



Crimping tools
From page 670



Coding profiles
From page 656



Coding elements
From page 657



Replacement PE screws
From page 662

Heavy-duty connectors

HEAVYCON D – contact inserts

D15, D25 series

250 V, 10 A

Connection technology:

– Crimp connection

Guide pins and sockets are mandatory for HC-D... and HC-DD series contact inserts; see page 657.

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

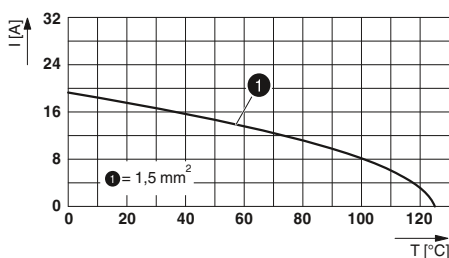
Order crimp contacts separately

Only operate connectors when there is no load/the power is switched off

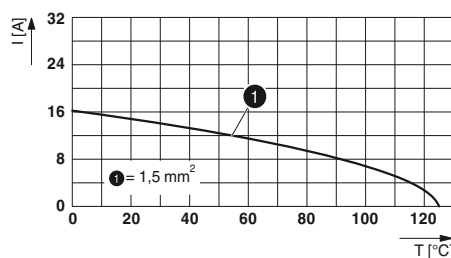


Type	Technical data			
	① HC-D 15-I-CT-...	② ③ HC-D 25-I-CT-...	④ HC-D 25-I-CT-...-Z	
Approvals	UL ENEC RL	UL ENEC RL	UL ENEC RL	
IEC data				
Rated current, contacts (at 40°C)	10	10	10	
Overvoltage category	III	III	III	
Degree of pollution	3	3	3	
Rated voltage (III/3) contacts	250	250	250	
Rated surge voltage, contacts	4	4	4	
Connection cross section	0.14 ... 2.5	0.14 ... 2.5	0.14 ... 2.5	
UL data				
Rated voltage	600	600	600	
Rated current	10	10	10	
Connection cross section	14	14	14	
CSA / cUL data				
Rated voltage	600	600	600	
Rated current	8	8	8	
Connection cross section	14	14	14	
Material data				
Contact carrier material	PC	PC	PA	
Inflammability class in acc. with UL 94	V0	V0	V0	
Contact material	Copper alloy	Copper alloy	Copper alloy	
Contact surface material	Ag (alternatively Au)	Ag (alternatively Au)	Ag (alternatively Au)	
Temperature data				
Ambient temperature range	-40 ... 125	-40 ... 125	-40 ... 125	
General data				
Connection method	Crimp connection	Crimp connection	Crimp connection	
Stripping length	8	8	8	
Number of positions	15	25	25	
Contact numbering	-	-	-	
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	

Derating curves



HC-D 15-I-CT-....



HC-D 25-I-CT-....

Ordering data							
Description	Pos.	Number	Size	Type	Order No.		Pcs./ Pkt.
					Female	Male	
Crimp connection CK 1,6							
	15		D15	① HC-D 15-I-CT-...	1584389	1584376	1
Crimp connection CK 1,6							
	25		D25 / D50	② HC-D 25-I-CT-...	1584402	1584392	1
	25		D25 / D50	③ HC-D 25-I-CT-...	1584402	1584392	1
Crimp connection CK 1,6							
	25		D25 / D50	Euromap ④ HC-D 25-I-CT-...-Z	1411481	1411478	1
</							

Accessories



Crimping tools
From page 670



Guide elements
From page 657



Replacement PE screws
From page 662

Heavy-duty connectors

HEAVYCON D – housings

Size D15, plastic, EVO sleeve housings for single locking latch

General data

Housing material	PA
Locking latch material	-
Sealing material	NBR
IP degree of protection (when plugged in)	IP66
NEMA degree of protection (when plugged in)	12
Ambient temperature (operation)	-40°C ... 125°C

Technical data



Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 65.5 mm 		HC-EVO-D15-HHFS-PL-BK	1411340	1	
Sleeve housing Height: 65.5 mm 		HC-EVO-D15-HHFS-PL-BK	1411340	1	
Cable gland 	Clamping area 7 mm ... 13 mm 9 mm ... 17 mm	HC-D-G-M20-PLRBK HC-D-G-M25-PLRBK	1411350 1411351	1 1	
Connector set¹⁾ Height: 100.5 mm 		Without cover, Push-in connection HC-EVO-A10PT-BWS-HH-M20-PLRBK Without cover, screw connection HC-EVO-A10UT-BWS-HH-M20-PLRBK With cover, Push-in connection HC-EVO-A10PT-BWSC-HH-M20-PLRBK With cover, screw connection HC-EVO-A10UT-BWSC-HH-M20-PLRBK	1424453 1411356 1424454 1411357	1 1 1 1	

Notes:

Marking label: US-EMP (20X9) Order No. 0829439

¹⁾ Connector sets: phoenixcontact.net/webcode/#0523

Accessories



EVO unlocking tools
From page 659



Thread adapters
From page 658



Module carrier frames
phoenixcontact.net/products

Size D15, metal, STANDARD sleeve housings for single locking latch



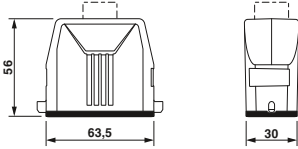
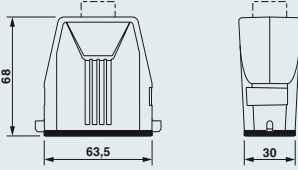
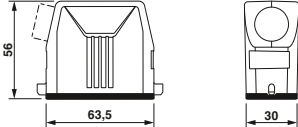
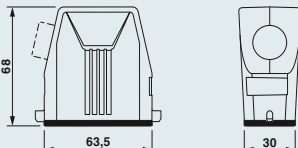
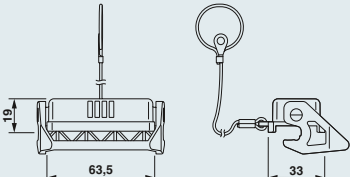
General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
-
NBR, conductive
IP66 / IP67
-
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 56 mm 	1x M20 1x Pg13.5	HC-STA-D15-HLFS-1TTM20-ELC-AL	1424350	1	
		HC-STA-D15-HLFS-1TTP13-ELC-AL	1424352	1	
Sleeve housing Height: 68 mm 	1x M25 1x Pg16 1x Pg21	HC-STA-D15-HHFS-1TTM25-ELC-AL	1424351	1	
		HC-STA-D15-HHFS-1TTP16-ELC-AL	1424353	1	
		HC-STA-D15-HHFS-1TTP21-ELC-AL	1424358	1	
Sleeve housing Height: 56 mm 	1x M20 1x Pg16	HC-STA-D15-HLFS-1STM20-ELC-AL	1424345	1	
		HC-STA-D15-HLFS-1STP16-ELC-AL	1424347	1	
Sleeve housing Height: 68 mm 	1x M25 1x Pg16 1x Pg21	HC-STA-D15-HHFS-1STM25-ELC-AL	1424346	1	
		HC-STA-D15-HHFS-1STP16-ELC-AL	1424348	1	
		HC-STA-D15-HHFS-1STP21-ELC-AL	1424349	1	
Protective cover Height: 19 mm 		HC-STA-D15-HCLWS-PL-BK	1424375	1	

Notes:

Marking label: US-EMLP-HA (20X9), Order No. 0830989

Accessories



Cable glands
From page 686



Cover plates
From page 664



D-SUB adapter plates
From page 665



Module carrier frames
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON D – housings

Size D15, plastic, EVO supporting base elements with single locking latch

General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

PA
PA
NBR
IP66
12
-40°C ... 125°C



Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Panel mounting base Height: 26 mm		Without cover HC-EVO-D15-BWS-PLR-BK	1411336	1	
Panel mounting base Height: 26 mm		With cover HC-EVO-D15-BWSC-PLR-BK	1411337	1	
Box mounting base ¹⁾ Height: 52 mm	2x M20 2x M25	Without cover HC-EVO-D15-SLWS-2SSM20-PLR-BK HC-EVO-D15-SLWS-2SSM25-PLR-BK	1421463 1411341	1 1	
Box mounting base ¹⁾ Height: 52 mm	2x M20 2x M25	With cover HC-EVO-D15-SLWSC-2SSM20-PLR-BK HC-EVO-D15-SLWSC-2SSM25-PLR-BK	1421465 1411343	1 1	
Coupling housing Height: 60 mm		HC-EVO-D15-CHWS-PL-BK	1411338	1	
Cable gland	Clamping area 7 mm ... 13 mm 9 mm ... 17 mm	HC-D-G-M20-PLRBK HC-D-G-M25-PLRBK	1411350 1411351	1 1	

Notes:

¹⁾ One cable entry is sealed with a knockout cover

Accessories



EVO unlocking tools
From page 659



Thread adapters
From page 658



Replacement protective covers
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

Size D15, metal, STANDARD supporting base elements with single locking latch



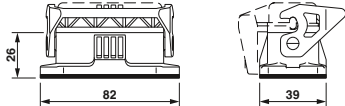
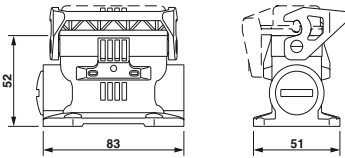
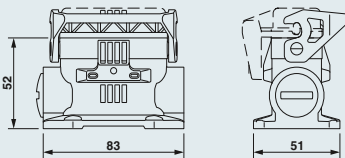
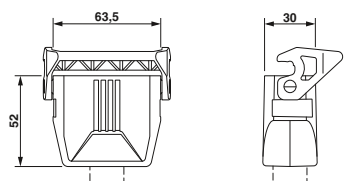
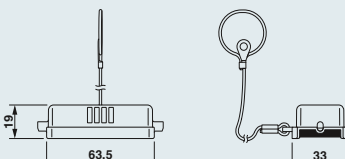
General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
-
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Panel mounting base Height: 26 mm 		Without cover HC-STA-D15-BWS-EL-AL	1424362	1	
Panel mounting base Height: 26 mm 		With cover HC-STA-D15-BWSC-EL-AL	1424363	1	
Box mounting base¹⁾ Height: 52 mm 	2x M20 2x M25 2x Pg16 2x Pg21	Without cover HC-STA-D15-SLWS-2SSM20-EL-AL HC-STA-D15-SLWS-2SSM25-EL-AL HC-STA-D15-SLWS-2SSP16-EL-AL HC-STA-D15-SLWS-2SSP21-EL-AL	1424364 1424365 1424366 1424367	1 1 1 1	
Box mounting base¹⁾ Height: 52 mm 	2x M20 2x M25 2x Pg16 2x Pg21	With cover HC-STA-D15-SLWSC-2SSM20-EL-AL HC-STA-D15-SLWSC-2SSM25-EL-AL HC-STA-D15-SLWSC-2SSP16-EL-AL HC-STA-D15-SLWSC-2SSP21-EL-AL	1424369 1424371 1424372 1424373	1 1 1 1	
Coupling housing Height: 52 mm 	1x M20 1x M25 1x Pg16	HC-STA-D15-CLWS-1TTM20-EL-AL HC-STA-D15-CHWS-1TTM25-EL-AL HC-STA-D15-CHWS-1TTP16-EL-AL	1424359 1424361 1424360	1 1 1	
Protective cover Height: 19 mm 		HC-STA-D15-BCSFS-PLR-BK	1424374	1	

Notes:

¹⁾ Supplied with a plastic sealing cap

Accessories



Cable glands
From page 686



Replacement latches
phoenixcontact.net/products



Replacement seals
phoenixcontact.net/products



Module carrier frames
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON D – housings

Size D25, plastic, EVO sleeve housings for single locking latch

General data

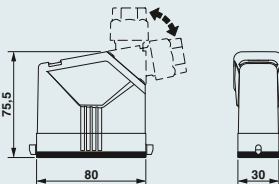
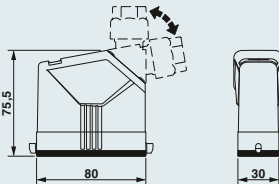
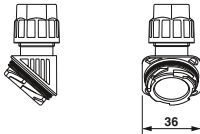
Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

PA
-
NBR
IP66
12
-40°C ... 125°C



Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 75.5 mm 		HC-EVO-D25-HHFS-PL-BK	1411347	1	
Sleeve housing Height: 75.5 mm 		HC-EVO-D25-HHFS-PL-BK	1411347	1	
Cable gland 	Clamping area 7 mm ... 13 mm 9 mm ... 17 mm	HC-D-G-M20-PLRBK HC-D-G-M25-PLRBK	1411350 1411351	1 1	
Connector set¹⁾ Height: 114.5 mm 		Without cover, Push-in connection HC-EVO-A16PT-BWS-HH-M25-PLRBK Without cover, screw connection HC-EVO-A16UT-BWS-HH-M25-PLRBK With cover, Push-in connection HC-EVO-A16PT-BWSC-HH-M25-PLRBK With cover, screw connection HC-EVO-A16UT-BWSC-HH-M25-PLRBK	1424459 1411358 1424460 1411359	1 1 1 1	

Notes:

Marking label: US-EMP (20X9) Order No. 0829439

¹⁾ Connector sets: phoenixcontact.net/webcode/#0523

Accessories



EVO unlocking tools
From page 659



Thread adapters
From page 658

Size D25, metal, STANDARD sleeve housings for single locking latch



General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
-
NBR, conductive
IP66 / IP67
-
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 56 mm	1x M20 1x Pg16	HC-STA-D25-HLFS-1TTM20-ELC-AL HC-STA-D25-HLFS-1TTP16-ELC-AL	1424381 1424383	1 1	
Sleeve housing Height: 72 mm	1x M25 1x Pg16 1x Pg21	HC-STA-D25-HHFS-1TTM25-ELC-AL HC-STA-D25-HHFS-1TTP16-ELC-AL HC-STA-D25-HHFS-1TTP21-ELC-AL	1424382 1424384 1424385	1 1 1	
Sleeve housing Height: 56 mm	1x M20 1x Pg16	HC-STA-D25-HLFS-1STM20-ELC-AL HC-STA-D25-HLFS-1STP16-ELC-AL	1424376 1424378	1 1	
Sleeve housing Height: 72 mm	1x M25 1x Pg16 1x Pg21	HC-STA-D25-HHFS-1STM25-ELC-AL HC-STA-D25-HHFS-1STP16-ELC-AL HC-STA-D25-HHFS-1STP21-ELC-AL	1424377 1424379 1424380	1 1 1	
Protective cover Height: 19 mm		HC-STA-D25-HCLWS-PL-BK	1424400	1	

Notes:

Marking label: US-EMLP-HA (20X9), Order No. 0830989

Accessories



Cable glands
From page 686



Cover plates
From page 664



D-SUB adapter plates
From page 665

Heavy-duty connectors

HEAVYCON D – housings

**Size D25, plastic,
EVO supporting base elements
with single locking latch**

General data

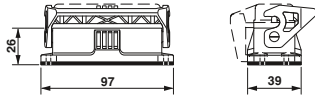
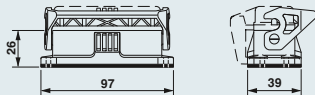
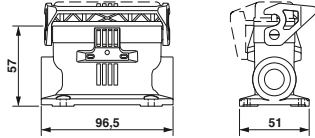
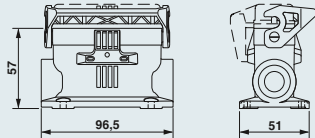
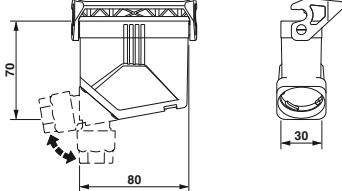
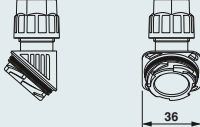
Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

PA
PA
NBR
IP66
12
-40°C ... 125°C



Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Panel mounting base Height: 26 mm 		Without cover HC-EVO-D25-BWS-PLR-BK	1411344	1	
Panel mounting base Height: 26 mm 		With cover HC-EVO-D25-BWSC-PLR-BK	1411345	1	
Box mounting base¹⁾ Height: 57 mm 	2x M20 2x M25	Without cover HC-EVO-D25-SLWS-2SSM20-PLR-BK HC-EVO-D25-SLWS-2SSM25-PLR-BK	1421466 1411348	1 1	
Box mounting base¹⁾ Height: 57 mm 	2x M20 2x M25	With cover HC-EVO-D25-SLWSC-2SSM20-PLR-BK HC-EVO-D25-SLWSC-2SSM25-PLR-BK	1421467 1411349	1 1	
Coupling housing Height: 70 mm 		HC-EVO-D25-CHWS-PLR-BK	1411346	1	
Cable gland 	Clamping area 7 mm ... 13 mm 9 mm ... 17 mm	HC-D-G-M20-PLRBK HC-D-G-M25-PLRBK	1411350 1411351	1 1	

Notes:

¹⁾ One cable entry is sealed with a knockout cover

Accessories



EVO unlocking tools
From page 659



Thread adapters
From page 658



Replacement protective covers
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

**Size D25, metal,
STANDARD supporting base elements
with single locking latch**



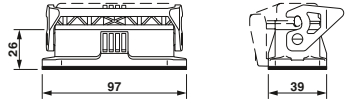
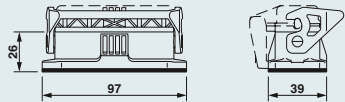
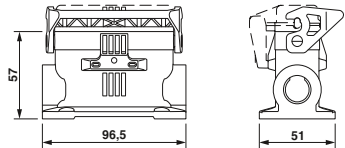
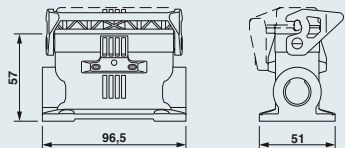
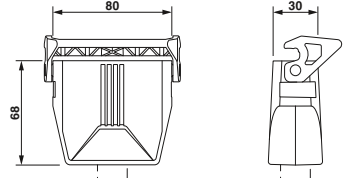
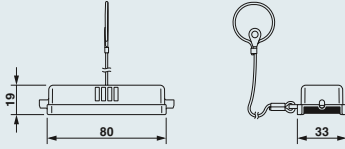
General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
-
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Panel mounting base Height: 26 mm 		Without cover HC-STA-D25-BWS-EL-AL	1424391	1	
Panel mounting base Height: 26 mm 		With cover HC-STA-D25-BWSC-EL-AL	1424390	1	
Box mounting base¹⁾ Height: 57 mm 	2x M20 2x M25 2x Pg16 2x Pg21	Without cover HC-STA-D25-SLWS-2SSM20-EL-AL HC-STA-D25-SLWS-2SSM25-EL-AL HC-STA-D25-SLWS-2SSP16-EL-AL HC-STA-D25-SLWS-2SSP21-EL-AL	1424392 1424393 1424394 1424395	1 1 1 1	
Box mounting base¹⁾ Height: 57 mm 	2x M20 2x M25 2x Pg16 2x Pg21	With cover HC-STA-D25-SLWSC-2SSM20-EL-AL HC-STA-D25-SLWSC-2SSM25-EL-AL HC-STA-D25-SLWSC-2SSP16-EL-AL HC-STA-D25-SLWSC-2SSP21-EL-AL	1424396 1424397 1424398 1424399	1 1 1 1	
Coupling housing Height: 68 mm 	1x M25 1x Pg16	HC-STA-D25-CHWS-1TTM25-EL-AL HC-STA-D25-CHWS-1TTP16-EL-AL	1424387 1424389	1 1	
Protective cover Height: 19 mm 		HC-STA-D25-BCSFS-PLR-BK	1424401	1	

Notes:

¹⁾ Supplied with a plastic sealing cap

Accessories



Cable glands
From page 686



Replacement latches
phoenixcontact.net/products



Replacement seals
phoenixcontact.net/products



D-SUB adapter plates
From page 665

**Size D50, metal,
STANDARD supporting base elements
with double locking latch**



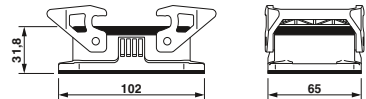
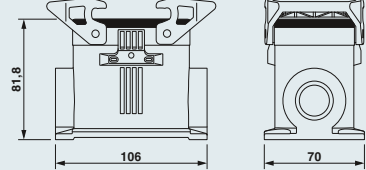
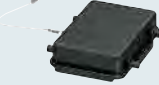
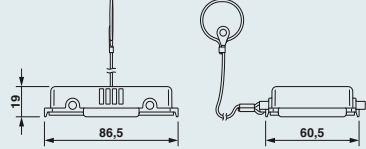
General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
-
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Panel mounting base Height: 32 mm 		Without cover HC-STA-D50-BWD-ELC-AL	1424412	1	
Box mounting base¹⁾ Height: 82 mm 	2x M25 2x M32 2x Pg21 2x Pg29	Without cover HC-STA-D50-SHWD-2SSM25-ELC-AL HC-STA-D50-SHWD-2SSM32-ELC-AL HC-STA-D50-SHWD-2SSP21-ELC-AL HC-STA-D50-SHWD-2SSP29-ELC-AL	1424413 1424414 1424415 1424416	1 1 1 1	
Protective cover Height: 19 mm 		HC-STA-D50-BCSFD-PL-BK	1424417	1	

Notes:

¹⁾ Supplied with a plastic sealing cap

Accessories



Cable glands
From page 686

Heavy-duty connectors

HEAVYCON B – contact inserts

D40, D64 series

250 V, 10 A

Connection technology:

– Crimp connection

Guide pins and sockets are mandatory for HC-D... and HC-DD series contact inserts; see page 657.

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

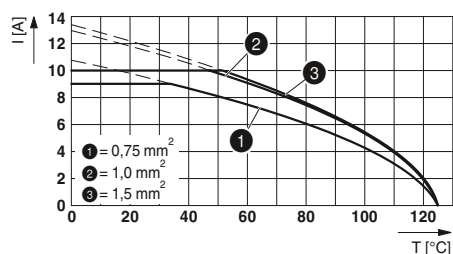
Order crimp contacts separately

Only operate connectors when there is no load/the power is switched off

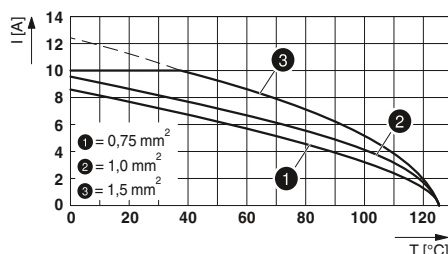


Type	Technical data			
	① HC-D 40-I-CT...	② HC-D 64-I-CT...		
Approvals	UL ENEC RL	UL ENEC RL		
IEC data				
Rated current, contacts (at 40°C)	[A] 10	10		
Overvoltage category	III	III		
Degree of pollution	3	3		
Rated voltage (III/3) contacts	[V] 250	250		
Rated surge voltage, contacts	[kV] 4	4		
Connection cross section	[mm²] 0.14 ... 2.5	0.14 ... 2.5		
UL data				
Rated voltage	[V] 600	600		
Rated current	[A] 10	10		
Connection cross section	AWG 14	14		
CSA / cUL data				
Rated voltage	[V] 600	600		
Rated current	[A] 7	7		
Connection cross section	AWG 14	14		
Material data				
Contact carrier material	PC	PC		
Inflammability class in acc. with UL 94	V0	V0		
Contact material	Copper alloy	Copper alloy		
Contact surface material	Ag (alternatively Au)	Ag (alternatively Au)		
Temperature data				
Ambient temperature range	[°C] -40 ... 125	-40 ... 125		
General data				
Connection method	Crimp connection	Crimp connection		
Stripping length	[mm] 8	8		
Number of positions	40	64		
Contact numbering	-	-		
Insertion/withdrawal cycles	≥ 500	≥ 500		

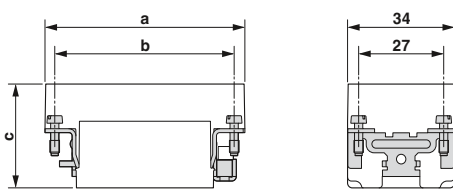
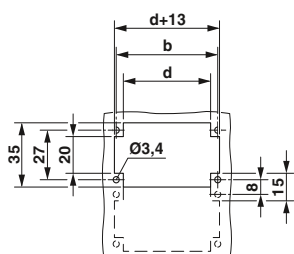
Derating curves



HC-D 40-I-CT...



HC-D 64-I-CT...

				Ordering data								
Description	Pos.	Number	Size	Type	Order No.		Pcs./ Pkt.	Dimensions (in mm)				
					Female	Male						
Crimp connection												
	40	B16 / B32		① HC-D 40-I-CT-...	1584428	1584415	1					
Crimp connection												
	64	B24 / B48		② HC-D 64-I-CT-...	1584444	1584431	1					
								Panel cutout				

Accessories



Crimping tools
From page 670



Guide elements
From page 657



Replacement PE screws
From page 662



Thermal crimp contacts
From page 668

Heavy-duty connectors

HEAVYCON B – contact inserts

D40, D64 series terminal adapters

250 V, 10 A

Connection technology:

- Push-in connection
- Screw connection

Notes:

For accessories, see from page 654

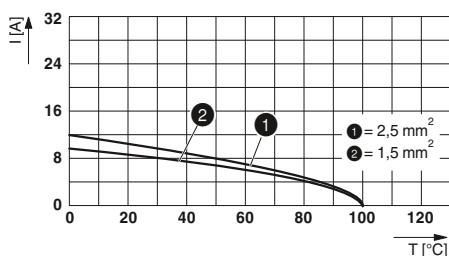
Not for HC-EVO panel mounting bases

Only operate connectors when there is no load/the power is switched off

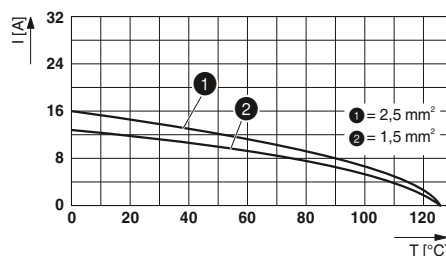


Type	Technical data			
	① ② HC-D 40-A-TWIN-PEL-...	③ ④ HC-D 40-A-UT-PEL-...	⑤ ⑥ HC-D 64-A-TWIN-PEL-...	⑦ ⑧ HC-D 64-A-UT-PEL-...
Approvals	UL ENE	UL ENE	UL ENE	UL ENE
IEC data				
Rated current, contacts (at 40°C)	[A] 10	10	10	10
Overtoltage category	III	III	III	III
Degree of pollution	3	3	3	3
Rated voltage (III/3) contacts	[V] 250	250	250	250
Rated surge voltage, contacts	[kV] 6	4	6	4
Connection cross section	[mm²] 0.5 ... 2.5	0.5 ... 2.5	0.5 ... 2.5	0.2 ... 2.5
UL data				
Rated voltage	[V] 600	600	600	600
Rated current	[A] 7	7	7	7
Connection cross section	AWG 14	14	14	14
CSA / cUL data				
Rated voltage	[V] 600	600	600	600
Rated current	[A] 7	7	7	7
Connection cross section	AWG 14	14	14	14
Material data				
Contact carrier material	PA	PA	PA	PA
Inflammability class in acc. with UL 94	V0	V0	V0	V0
Contact material	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Contact surface material	Ag	Ag	Ag	Ag
Temperature data				
Ambient temperature range	[°C] -40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125
General data				
Connection method	Push-in connection	Screw connection	Push-in connection	Screw connection
Stripping length	[mm] 10	10	10	10
Number of positions	40	40	64	64
Contact numbering	-	-	-	-
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	≥ 500

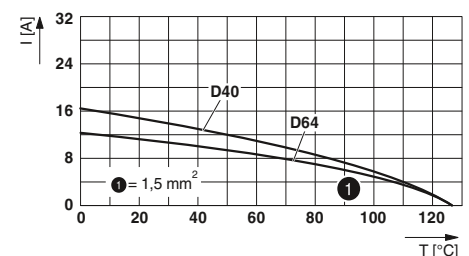
Derating curves



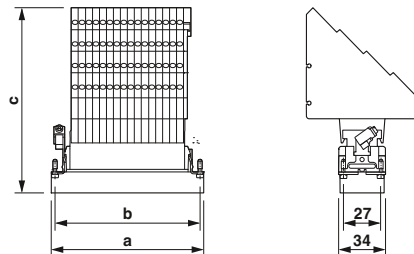
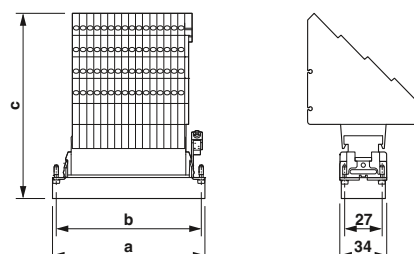
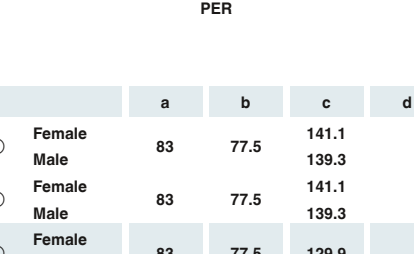
HC-D 40-A-TWIN-PER-...

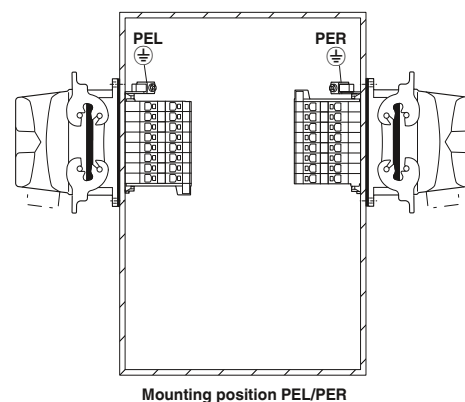


HC-D 64-A-TWIN-PER-...



HC-D 40-A-UT-PER-... / HC-D 64-A-UT-PER-...

				Ordering data																																																																																														
Description	Pos.	Number	Size	Type	Order No.		Pcs./ Pkt.	Dimensions (in mm)																																																																																										
								Female	Male																																																																																									
Push-in connection																																																																																																		
	40		B16	PE left	① HC-D 40-A-TWIN-PEL-...	1580147	1580150	4																																																																																										
	40		B16	PE right	② HC-D 40-A-TWIN-PER-...	1580163	1580176	4																																																																																										
Screw connection																																																																																																		
	40		B16	PE left	③ HC-D 40-A-UT-PEL-...	1584253	1584240	1																																																																																										
	40		B16	PE right	④ HC-D 40-A-UT-PER-...	1584279	1584266	1																																																																																										
Push-in connection																																																																																																		
	64		B24	PE left	⑤ HC-D 64-A-TWIN-PEL-...	1580189	1580192	4																																																																																										
	64		B24	PE right	⑥ HC-D 64-A-TWIN-PER-...	1580202	1580215	4																																																																																										
Screw connection																																																																																																		
	64		B24	PE left	⑦ HC-D 64-A-UT-PEL-...	1584295	1584282	1	<table><tr><th></th><th>a</th><th>b</th><th>c</th><th>d</th></tr><tr><td>① Female</td><td>83</td><td>77.5</td><td>141.1</td><td></td></tr><tr><td>① Male</td><td></td><td></td><td>139.3</td><td></td></tr><tr><td>② Female</td><td>83</td><td>77.5</td><td>141.1</td><td></td></tr><tr><td>② Male</td><td></td><td></td><td>139.3</td><td></td></tr><tr><td>③ Female</td><td>83</td><td>77.5</td><td>129.9</td><td></td></tr><tr><td>③ Male</td><td></td><td></td><td>129.9</td><td></td></tr><tr><td>④ Female</td><td>83</td><td>77.5</td><td>129.9</td><td></td></tr><tr><td>④ Male</td><td></td><td></td><td>129.9</td><td></td></tr><tr><td>⑤ Female</td><td>110</td><td>104</td><td>141.1</td><td></td></tr><tr><td>⑤ Male</td><td></td><td></td><td>139.3</td><td></td></tr><tr><td>⑥ Female</td><td>110</td><td>104</td><td>141.1</td><td></td></tr><tr><td>⑥ Male</td><td></td><td></td><td>139.3</td><td></td></tr><tr><td>⑦ Female</td><td>110</td><td>104</td><td>132.6</td><td></td></tr><tr><td>⑦ Male</td><td></td><td></td><td>132.6</td><td></td></tr><tr><td>⑧ Female</td><td>110</td><td>104</td><td>132.6</td><td></td></tr><tr><td>⑧ Male</td><td></td><td></td><td>132.6</td><td></td></tr></table>						a	b	c	d	① Female	83	77.5	141.1		① Male			139.3		② Female	83	77.5	141.1		② Male			139.3		③ Female	83	77.5	129.9		③ Male			129.9		④ Female	83	77.5	129.9		④ Male			129.9		⑤ Female	110	104	141.1		⑤ Male			139.3		⑥ Female	110	104	141.1		⑥ Male			139.3		⑦ Female	110	104	132.6		⑦ Male			132.6		⑧ Female	110	104	132.6		⑧ Male			132.6	
		a	b	c	d																																																																																													
① Female	83	77.5	141.1																																																																																															
① Male			139.3																																																																																															
② Female	83	77.5	141.1																																																																																															
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③ Female	83	77.5	129.9																																																																																															
③ Male			129.9																																																																																															
④ Female	83	77.5	129.9																																																																																															
④ Male			129.9																																																																																															
⑤ Female	110	104	141.1																																																																																															
⑤ Male			139.3																																																																																															
⑥ Female	110	104	141.1																																																																																															
⑥ Male			139.3																																																																																															
⑦ Female	110	104	132.6																																																																																															
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⑧ Female	110	104	132.6																																																																																															
⑧ Male			132.6																																																																																															
64		B24	PE right	⑧ HC-D 64-A-UT-PER-...	1584321	1584318	1																																																																																											
Foot element																																																																																																		
				HC-KA-FE	1775240		10																																																																																											
Locking screw barrel																																																																																																		
				HC-VSH	1660083		10																																																																																											



Heavy-duty connectors

HEAVYCON B – contact inserts

DD24, DD42, DD72, DD108 series

250 V, 10 A

Connection technology:

– Crimp connection

Guide pins and sockets are mandatory for HC-D... and HC-DD series contact inserts; see page 657.

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

Order crimp contacts separately

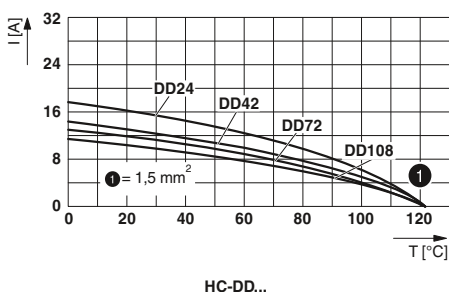
Only operate connectors when there is no load/the power is switched off



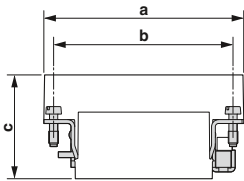
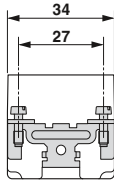
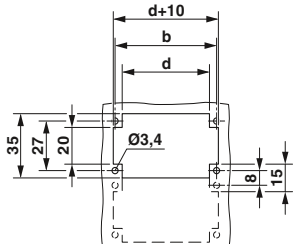
Technical data

Type	① HC-DD24-I-CT...	② HC-DD42-I-CT...	③ ④ HC-DD72-I-CT...	⑤ ⑥ HC-DD108-I-CT...
Approvals	CE, UL, ENEC, RoHS	CE, UL, ENEC, RoHS	CE, UL, ENEC, RoHS	CE, UL, ENEC, RoHS
IEC data				
Rated current, contacts (at 40°C)	10	10	10	10
Overvoltage category	III	III	III	III
Degree of pollution	3	3	3	3
Rated voltage (III/3) contacts	250	250	250	250
Rated surge voltage, contacts	4	4	4	4
Connection cross section	0.14 ... 2.5	0.14 ... 2.5	0.14 ... 2.5	0.14 ... 2.5
UL data				
Rated voltage	250	250	250	250
Rated current	10	10	10	10
Connection cross section	AWG 14	AWG 14	AWG 14	AWG 14
CSA / cUL data				
Rated voltage	250	250	250	250
Rated current	7	7	7	7
Connection cross section	AWG 26-14	AWG 26-14	AWG 26-14	AWG 26-14
Material data				
Contact carrier material	PC	PC	PC	PC
Inflammability class in acc. with UL 94	V0	V0	V0	V0
Contact material	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Contact surface material	Ag (alternatively Au)	Ag (alternatively Au)	Ag (alternatively Au)	Ag (alternatively Au)
Temperature data				
Ambient temperature range	-40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125
General data				
Connection method	Crimp connection	Crimp connection	Crimp connection	Crimp connection
Stripping length	8	8	8	8
Number of positions	24	42	72	108
Contact numbering	1 - 24	1 - 42	1 - 72	1 - 108
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	≥ 500

Derating curves



Ordering data							
Description	Pos.	Number	Size	Type	Order No.		Pcs./ Pkt.
					Female	Male	
Crimp connection							
	24	1 - 24	B6	① HC-DD24-I-CT...	1584046	1584033	1
Crimp connection							
	42	1 - 42	B10	② HC-DD42-I-CT...	1584062	1584059	1
Crimp connection							
	72	1 - 72	B16 / B32	③ HC-DD72-I-CT...	1584091	1584075	1
	72	73 - 144	B16 / B32	④ HC-DD72-I-CT....-144	1584101	1584088	1
Crimp connection							
	108	1 - 108	B24 / B48	⑤ HC-DD108-I-CT...	1584130	1584114	1
	108	109 - 216	B24 / B48	⑥ HC-DD108-I-CT...-216	1584143	1584127	1
Turned crimp contacts CK 1,6 Silver-plated			Cross section mm² / AWG	CK1,6-ED-0,37... AG	1663394	1663336	100
			0.14 - 0.37 / 26 - 22	CK1,6-ED-0,50... AG	1663404	1663349	100
			0.5 - 0.5 / 20	CK1,6-ED-0,75... AG	1663417	1663352	100
			0.75 - 0.75 / 18	CK1,6-ED-1,00... AG	1663420	1663365	100
			0.75 - 1 / 18	CK1,6-ED-1,50... AG	1663433	1663378	100
			1.5 - 1.5 / 16	CK1,6-ED-2,50... AG	1663446	1663381	100
			2.5 - 2.5 / 14				

Dimensions (in mm)				
				
Dimensional drawing				
				
Panel cutout				
	a	b	c	d
① Female	50.5	44	34.5	36
			32.5	
② Female	64	57	34.5	49
			32.5	
③ Female	84	77.5	34.5	72
			32.5	
④ Female	84	77.5	34.5	72
			32.5	
⑤ Female	111	104	34.5	98
			32.5	
⑥ Female	111	104	34.5	98
			32.5	

Accessories			
			
Crimping tools From page 670	Guide elements From page 657	Crimp contacts, gold-plated From page 666	Replacement PE screws From page 662

Heavy-duty connectors

HEAVYCON B – contact inserts

B6 series

500 V, 10 A ... 24 A

Connection technology:

- Push-in connection
- Push-in double connection
- Screw connection
- Insulation displacement connection
- Crimp connection

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

Order crimp contacts separately

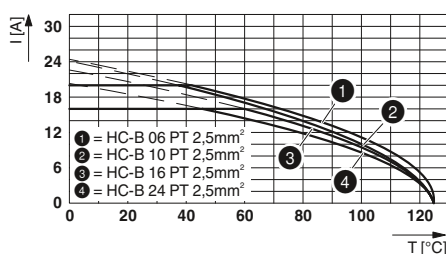
Only operate connectors when there is no load/the power is switched off

¹⁾ For flexible wires with wire end protection

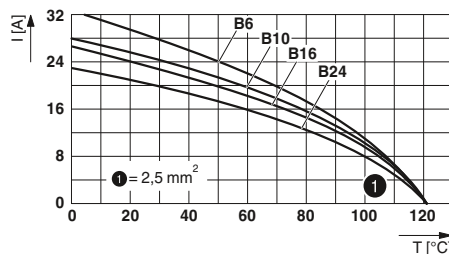


Type	Technical data				
	① HC-B 6-I-PT...	② HC-B 6-I-TPT...	③ HC-B 6-I-UT...	④ HC-B 6-E...Q-2,5	⑤ HC-B 6-I-CT...
Approvals					
IEC data					
Rated current, contacts (at 40°C)	[A] 16	10	24	16	16
Overvoltage category	III	III	III	III	III
Degree of pollution	3	3	3	3	3
Rated voltage (III/3) contacts	[V] 500	500	500	500	500
Rated surge voltage, contacts	[kV] 6	6	6	6	6
Connection cross section	[mm²] 0.14 ... 2.5 ¹⁾	0.25 ... 1.5 ¹⁾	0.5 ... 2.5	0.34 ... 2.5	0.5 ... 4
UL data					
Rated voltage	[V] 600	600	600	600	600
Rated current	[A] 13	14	16	10	13
Connection cross section	AWG 14	16	14	14	22-14
CSA / cUL data					
Rated voltage	[V] 600	600	600	600	600
Rated current	[A] 13	11	13	10	20
Connection cross section	AWG 14	16	22-14	16	20-12
Material data					
Contact carrier material	PC	PC	PC	PA	PA
Inflammability class in acc. with UL 94	V0	V0	V0	V0	V0
Contact material	Copper alloy	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Contact surface material	Ag/Sn (tarnish protection)	Ag	Ag	Ag	Ag (alternatively Au)
Ambient conditions					
Ambient temperature range	[°C] -40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125
General data					
Connection method	Push-in connection	Push-in connection	Screw connection	QUICKON connection	Crimp connection
Stripping length	[mm] 8 ... 10	8	8	-	7.5
Number of positions	6	6	6	6	6
Contact numbering	1 - 6	1 - 6	1 - 6	1 - 6	1 - 6
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	≥ 500	≥ 500

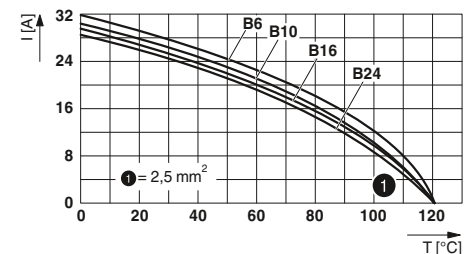
Derating curves



HC-B 6-I-PT...

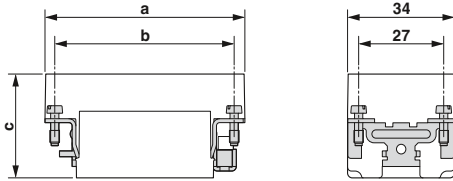
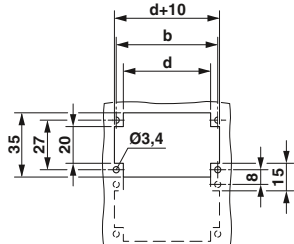


HC-B 6-I-UT...



HC-B 6-I-CT...

Ordering data							
Description	Pos.	Number	Size	Type	Order No.		Pcs./ Pkt.
					Female	Male	
Push-in connection							
	6	1 - 6	B6	① HC-B 6-I-PT-...	1407727	1407728	1
Push-in double connection							
	6	1 - 6	B6	② HC-B 6-I-TPT-...	1423016	1423015	1
Screw connection							
	6	1 - 6	B6	③ HC-B 6-I-UT-...	1648128	1648115	1
Insulation displacement connection							
	6	1 - 6	B6	④ HC-B 6-E...Q-2,5	1605556	1605611	10
Crimp connection							
	6	1 - 6	B6	⑤ HC-B 6-I-CT-...	1648160	1648157	1
Turned crimp contacts CK 2,5 Silver-plated							
			Cross section mm ² / AWG	CK2,5-ED-0,50... AG	1663640	1663572	100
			0.5 - 0.5 / 20	CK2,5-ED-0,75... AG	1663653	1663585	100
			0.75 - 0.75 / 18	CK2,5-ED-1,00... AG	1663666	1663598	100
			1.5 - 1.5 / 16	CK2,5-ED-1,50... AG	1663679	1663608	100
			2.5 - 2.5 / 14	CK2,5-ED-2,50... AG	1663682	1663611	100
			4 - 4 / 12	CK2,5-ED-4,00... AG	1663705	1663637	100

Dimensions (in mm)				
				
Dimensional drawing				
				
Panel cutout				
	a	b	c	d
① Female	50.5	44	37	36
① Male			34.4	
② Female	50.5	44	32	36
② Male			32	
③ Female	50.5	44	34.6	36
③ Male			32	
④ Female	51	44	37	36
④ Male	51.5	44	35	36
⑤ Female	50.5	44	34.6	36
⑤ Male			32	

Accessories			
 Crimping tools From page 670	 Coding elements From page 656	 Crimp contacts, gold-plated From page 666	 Replacement PE screws From page 662

Heavy-duty connectors

HEAVYCON B – contact inserts

B10 series

500 V, 10 A ... 24 A

Connection technology:

- Push-in connection
- Push-in double connection
- Screw connection
- Insulation displacement connection
- Crimp connection

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

Order crimp contacts separately

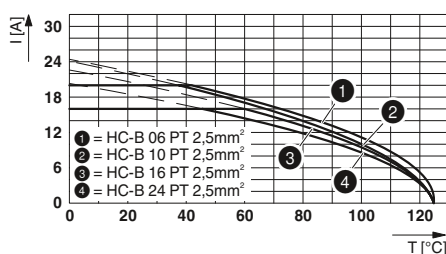
Only operate connectors when there is no load/the power is switched off

1) For flexible wires with wire end protection

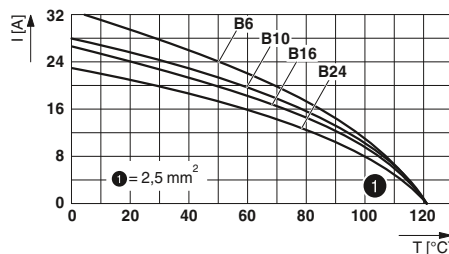


Technical data					
Type	① HC-B 10-I-PT-...	② HC-B 10-I-TPT-...	③ HC-B 10-I-UT-...	④ HC-B 10-E...Q-2,5	⑤ HC-B 10-I-CT-...
Approvals	CE ENEC UL	CE ENEC UL	CE ENEC UL	CE ENEC UL	CE ENEC UL
IEC data					
Rated current, contacts (at 40°C)	[A] 16	10	24	16	16
Overvoltage category	III	III	III	III	III
Degree of pollution	3	3	3	3	3
Rated voltage (III/3) contacts	[V] 500	500	500	500	500
Rated surge voltage, contacts	[kV] 6	6	6	6	6
Connection cross section	[mm²] 0.14 ... 2.5¹)	0.25 ... 1.5¹)	0.5 ... 2.5	0.34 ... 2.5	0.5 ... 4
UL data					
Rated voltage	[V] 600	600	600	600	600
Rated current	[A] 13	14	16	10	13
Connection cross section	AWG 14	16	14	14	22-14
CSA / cUL data					
Rated voltage	[V] 600	600	600	600	600
Rated current	[A] 10	11	13	10	20
Connection cross section	AWG 14	16	22-14	16	20-12
Material data					
Contact carrier material	PC	PC	PC	PA	PA
Inflammability class in acc. with UL 94	V0	V0	V0	V0	V0
Contact material	Copper alloy	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Contact surface material	Ag/Sn (tarnish protection)	Ag	Ag	Ag	Ag (alternatively Au)
Ambient conditions					
Ambient temperature range	[°C] -40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125
General data					
Connection method	Push-in connection	Push-in connection	Screw connection	QUICKON connection	Crimp connection
Stripping length	[mm] 8 ... 10	8	8	-	7.5
Number of positions	10	10	10	10	10
Contact numbering	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	≥ 500	≥ 500

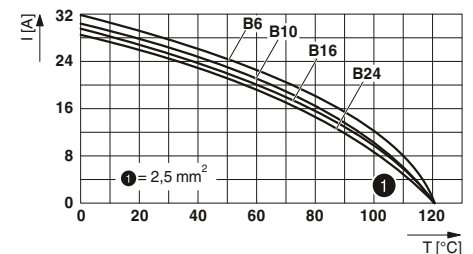
Derating curves



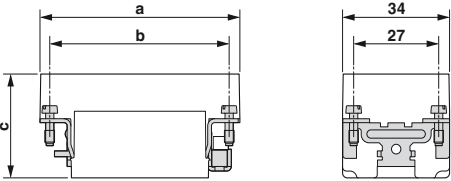
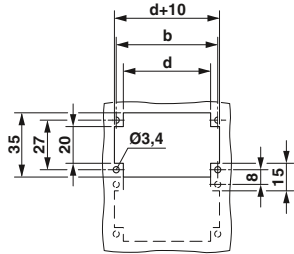
HC-B 10-I-PT-...



HC-B 10-I-UT-...



HC-B 10-I-CT-...

				Ordering data																																																															
Description	Pos.	Number	Size	Type	Order No.		Pcs./Pkt.	Dimensions (in mm)																																																											
					Female	Male																																																													
Push-in connection																																																																			
	10	1 - 10	B10	① HC-B 10-I-PT...	1407729	1407730	1																																																												
Push-in double connection																																																																			
	10	1 - 10	B10	② HC-B 10-I-TPT...	1423018	1423017	1																																																												
Screw connection								Panel cutout																																																											
	10	1 - 10	B10	③ HC-B 10-I-UT...	1648186	1648173	1																																																												
Insulation displacement connection								<table><tr><th></th><th>a</th><th>b</th><th>c</th><th>d</th></tr><tr><td>① Female</td><td>64</td><td>57</td><td>37</td><td>49</td></tr><tr><td>① Male</td><td>64</td><td>57</td><td>34.4</td><td>49</td></tr><tr><td>② Female</td><td>64</td><td>57</td><td>32</td><td>49</td></tr><tr><td>② Male</td><td>64</td><td>57</td><td>32</td><td>49</td></tr><tr><td>③ Female</td><td>64</td><td>57</td><td>34.6</td><td>49</td></tr><tr><td>③ Male</td><td>64</td><td>57</td><td>32</td><td>49</td></tr><tr><td>④ Female</td><td>64</td><td>57</td><td>37</td><td>49</td></tr><tr><td>④ Male</td><td>64</td><td>57</td><td>35</td><td>49</td></tr><tr><td>⑤ Female</td><td>64</td><td>57</td><td>34.6</td><td>49</td></tr><tr><td>⑤ Male</td><td>64</td><td>57</td><td>32</td><td>49</td></tr></table>						a	b	c	d	① Female	64	57	37	49	① Male	64	57	34.4	49	② Female	64	57	32	49	② Male	64	57	32	49	③ Female	64	57	34.6	49	③ Male	64	57	32	49	④ Female	64	57	37	49	④ Male	64	57	35	49	⑤ Female	64	57	34.6	49	⑤ Male	64	57	32	49
	a	b	c	d																																																															
① Female	64	57	37	49																																																															
① Male	64	57	34.4	49																																																															
② Female	64	57	32	49																																																															
② Male	64	57	32	49																																																															
③ Female	64	57	34.6	49																																																															
③ Male	64	57	32	49																																																															
④ Female	64	57	37	49																																																															
④ Male	64	57	35	49																																																															
⑤ Female	64	57	34.6	49																																																															
⑤ Male	64	57	32	49																																																															
	10	1 - 10	B10	④ HC-B 10-E...Q-2,5	1605569	1605624	10																																																												
Crimp connection								<table><tr><th></th><th>a</th><th>b</th><th>c</th><th>d</th></tr><tr><td>① Female</td><td>64</td><td>57</td><td>37</td><td>49</td></tr><tr><td>① Male</td><td>64</td><td>57</td><td>34.4</td><td>49</td></tr><tr><td>② Female</td><td>64</td><td>57</td><td>32</td><td>49</td></tr><tr><td>② Male</td><td>64</td><td>57</td><td>32</td><td>49</td></tr><tr><td>③ Female</td><td>64</td><td>57</td><td>34.6</td><td>49</td></tr><tr><td>③ Male</td><td>64</td><td>57</td><td>32</td><td>49</td></tr><tr><td>④ Female</td><td>64</td><td>57</td><td>37</td><td>49</td></tr><tr><td>④ Male</td><td>64</td><td>57</td><td>35</td><td>49</td></tr><tr><td>⑤ Female</td><td>64</td><td>57</td><td>34.6</td><td>49</td></tr><tr><td>⑤ Male</td><td>64</td><td>57</td><td>32</td><td>49</td></tr></table>						a	b	c	d	① Female	64	57	37	49	① Male	64	57	34.4	49	② Female	64	57	32	49	② Male	64	57	32	49	③ Female	64	57	34.6	49	③ Male	64	57	32	49	④ Female	64	57	37	49	④ Male	64	57	35	49	⑤ Female	64	57	34.6	49	⑤ Male	64	57	32	49
	a	b	c	d																																																															
① Female	64	57	37	49																																																															
① Male	64	57	34.4	49																																																															
② Female	64	57	32	49																																																															
② Male	64	57	32	49																																																															
③ Female	64	57	34.6	49																																																															
③ Male	64	57	32	49																																																															
④ Female	64	57	37	49																																																															
④ Male	64	57	35	49																																																															
⑤ Female	64	57	34.6	49																																																															
⑤ Male	64	57	32	49																																																															
	10	1 - 10	B10	⑤ HC-B 10-I-CT...	1648225	1648212	1																																																												
Turned crimp contacts CK 2,5 Silver-plated		Cross section mm ² / AWG																																																																	
		0.5 - 0.5 / 20		CK2,5-ED-0,50... AG	1663640	1663572	100																																																												
		0.75 - 0.75 / 18		CK2,5-ED-0,75... AG	1663653	1663585	100																																																												
		0.75 - 1 / 18		CK2,5-ED-1,00... AG	1663666	1663598	100																																																												
		1.5 - 1.5 / 16		CK2,5-ED-1,50... AG	1663679	1663608	100																																																												
		2.5 - 2.5 / 14		CK2,5-ED-2,50... AG	1663682	1663611	100																																																												
		4 - 4 / 12		CK2,5-ED-4,00... AG	1663705	1663637	100																																																												

Accessories			
			
Crimping tools From page 670	Coding elements From page 656	Crimp contacts, gold-plated From page 666	Replacement PE screws From page 662

Heavy-duty connectors

HEAVYCON B – contact inserts

B16 series

500 V, 10 A ... 20 A

Connection technology:

- Push-in connection
- Push-in double connection
- Screw connection
- Insulation displacement connection
- Crimp connection

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

Order crimp contacts separately

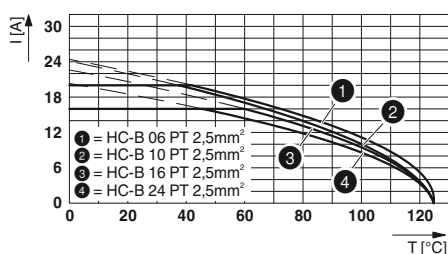
Only operate connectors when there is no load/the power is switched off

1) For flexible wires with wire end protection

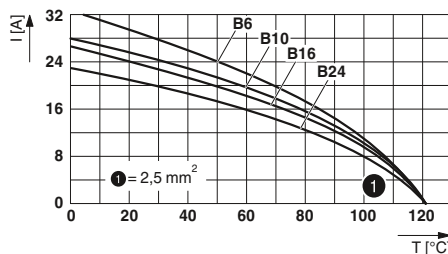


Type	Technical data				
	① ② HC-B 16-I-PT-...	③ ④ HC-B 16-I-TPT-...	⑤ ⑥ HC-B 16-I-UT-...	⑦ ⑧ HC-B 16-E...Q-2,5	⑨ ⑩ HC-B 16-I-CT-...
Approvals	CE ENEC UL	CE ENEC UL	CE ENEC UL	CE ENEC UL	CE ENEC UL
IEC data					
Rated current, contacts (at 40°C)	[A] 16	10	20	16	16
Overvoltage category	III	III	III	III	III
Degree of pollution	3	3	3	3	3
Rated voltage (III/3) contacts	[V] 500	500	500	500	500
Rated surge voltage, contacts	[kV] 6	6	6	6	6
Connection cross section	[mm²] 0.14 ... 2.5¹)	0.25 ... 1.5¹)	0.5 ... 2.5	0.34 ... 2.5	0.5 ... 4
UL data					
Rated voltage	[V] 600	600	600	600	600
Rated current	[A] 13	14	16	10	13
Connection cross section	AWG 14	16	14	14	22-14
CSA / cUL data					
Rated voltage	[V] 600	600	600	600	600
Rated current	[A] 10	11	13	10	20
Connection cross section	AWG 14	16	22-14	16	20-12
Material data					
Contact carrier material	PC	PC	PC	PA	PA
Inflammability class in acc. with UL 94	V0	V0	V0	V0	V0
Contact material	Copper alloy	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Contact surface material	Ag/Sn (tarnish protection)	Ag	Ag	Ag	Ag (alternatively Au)
Ambient conditions					
Ambient temperature range	[°C] -40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125
General data					
Connection method	Push-in connection	Push-in connection	Screw connection	QUICKON connection	Crimp connection
Stripping length	[mm] 8 ... 10	8	8	-	7.5
Number of positions	16	16	16	16	16
Contact numbering	1 - 16	1 - 16	1 - 16	1 - 16	1 - 16
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	≥ 500	≥ 500

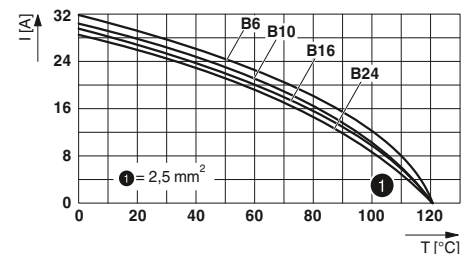
Derating curves



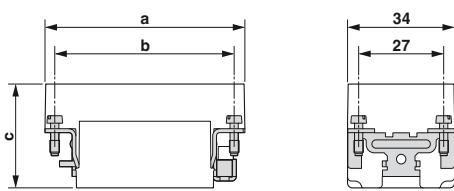
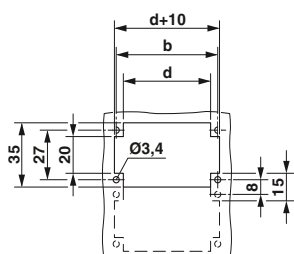
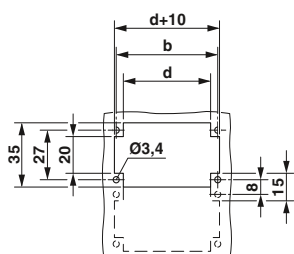
HC-B 16-I-PT-...



HC-B 16-I-UT-...



HC-B 16-I-CT-...

Ordering data																																																																																																																		
Description	Pos.	Number	Size	Type	Order No.		Pcs./ Pkt.	Dimensions (in mm)																																																																																																										
					Female	Male																																																																																																												
Push-in connection																																																																																																																		
	16	1 - 16	B16 / B32	① HC-B 16-I-PT-...	1407731	1407732	1																																																																																																											
	16	17 - 32	B16 / B32	② HC-B 16-I-PT-...-32	1407733	1407734	1																																																																																																											
Push-in double connection																																																																																																																		
	16	1 - 16	B16	③ HC-B 16-I-TPT-...	1423020	1423019	1	Dimensional drawing 																																																																																																										
	16	17 - 32	B16 / B32	④ HC-B 16-I-TPT-...-32	1423826	1423825	1																																																																																																											
Screw connection																																																																																																																		
	16	1 - 16	B16 / B32	⑤ HC-B 16-I-UT-...	1648241	1648238	1																																																																																																											
	16	17 - 32	B16 / B32	⑥ HC-B 16-I-UT-...-32	1584884	1584871	1																																																																																																											
Insulation displacement connection																																																																																																																		
	16	1 - 16	B16 / B32	⑦ HC-B 16-E-...Q-2,5	1605572	1605637	10	<table><tr><th></th><th></th><th>a</th><th>b</th><th>c</th><th>d</th></tr><tr><td rowspan="2">①</td><td>Female</td><td>84</td><td>77.5</td><td>37</td><td rowspan="2">72</td></tr><tr><td>Male</td><td></td><td></td><td>34.4</td></tr><tr><td rowspan="2">②</td><td>Female</td><td>84</td><td>77.5</td><td>37</td><td rowspan="2">72</td></tr><tr><td>Male</td><td></td><td></td><td>34.4</td></tr><tr><td rowspan="2">③</td><td>Female</td><td>84</td><td>77.5</td><td>34.6</td><td rowspan="2">72</td></tr><tr><td>Male</td><td></td><td></td><td></td></tr><tr><td rowspan="2">④</td><td>Female</td><td>84</td><td>77.5</td><td>34.6</td><td rowspan="2">72</td></tr><tr><td>Male</td><td></td><td></td><td></td></tr><tr><td rowspan="2">⑤</td><td>Female</td><td>84</td><td>77.5</td><td>34.6</td><td rowspan="2">72</td></tr><tr><td>Male</td><td></td><td></td><td>32</td></tr><tr><td rowspan="2">⑥</td><td>Female</td><td>84</td><td>77.5</td><td>34.6</td><td rowspan="2">72</td></tr><tr><td>Male</td><td></td><td></td><td>32</td></tr><tr><td rowspan="2">⑦</td><td>Female</td><td>84.5</td><td>77.5</td><td>37</td><td rowspan="2">72</td></tr><tr><td>Male</td><td></td><td></td><td>35</td></tr><tr><td rowspan="2">⑧</td><td>Female</td><td>84.5</td><td>77.5</td><td>37</td><td rowspan="2">72</td></tr><tr><td>Male</td><td></td><td></td><td>35</td></tr><tr><td rowspan="2">⑨</td><td>Female</td><td>84</td><td>77.5</td><td>34.6</td><td rowspan="2">72</td></tr><tr><td>Male</td><td></td><td></td><td>32</td></tr><tr><td rowspan="2">⑩</td><td>Female</td><td>84</td><td>77.5</td><td>34.6</td><td rowspan="2">72</td></tr><tr><td>Male</td><td></td><td></td><td>32</td></tr></table>			a	b	c	d	①	Female	84	77.5	37	72	Male			34.4	②	Female	84	77.5	37	72	Male			34.4	③	Female	84	77.5	34.6	72	Male				④	Female	84	77.5	34.6	72	Male				⑤	Female	84	77.5	34.6	72	Male			32	⑥	Female	84	77.5	34.6	72	Male			32	⑦	Female	84.5	77.5	37	72	Male			35	⑧	Female	84.5	77.5	37	72	Male			35	⑨	Female	84	77.5	34.6	72	Male			32	⑩	Female	84	77.5	34.6	72	Male			32
			a	b	c	d																																																																																																												
①	Female	84	77.5	37	72																																																																																																													
	Male			34.4																																																																																																														
②	Female	84	77.5	37	72																																																																																																													
	Male			34.4																																																																																																														
③	Female	84	77.5	34.6	72																																																																																																													
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④	Female	84	77.5	34.6	72																																																																																																													
	Male																																																																																																																	
⑤	Female	84	77.5	34.6	72																																																																																																													
	Male			32																																																																																																														
⑥	Female	84	77.5	34.6	72																																																																																																													
	Male			32																																																																																																														
⑦	Female	84.5	77.5	37	72																																																																																																													
	Male			35																																																																																																														
⑧	Female	84.5	77.5	37	72																																																																																																													
	Male			35																																																																																																														
⑨	Female	84	77.5	34.6	72																																																																																																													
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⑩	Female	84	77.5	34.6	72																																																																																																													
	Male			32																																																																																																														
16	17 - 32	B16 / B32	⑧ HC-B 16-E-...Q-2,5-32	1605598	1605653	10																																																																																																												
Crimp connection																																																																																																																		
	16	1 - 16	B16 / B32	⑨ HC-B 16-I-CT-...	1648283	1648270	1																																																																																																											
	16	17 - 32	B16 / B32	⑩ HC-B 16-I-CT-...-32	1584923	1584910	1																																																																																																											
Turned crimp contacts CK 2,5 Silver-plated																																																																																																																		
	Cross section mm² / AWG																																																																																																																	
	0.5 - 0.5 / 20			CK2,5-ED-0,50... AG	1663640	1663572	100																																																																																																											
	0.75 - 0.75 / 18			CK2,5-ED-0,75... AG	1663653	1663585	100																																																																																																											
	0.75 - 1 / 18			CK2,5-ED-1,00... AG	1663666	1663598	100																																																																																																											
	1.5 - 1.5 / 16			CK2,5-ED-1,50... AG	1663679	1663608	100																																																																																																											
	2.5 - 2.5 / 14			CK2,5-ED-2,50... AG	1663682	1663611	100																																																																																																											
	4 - 4 / 12			CK2,5-ED-4,00... AG	1663705	1663637	100																																																																																																											

Accessories			
			
Crimping tools From page 670	Coding elements From page 656	Crimp contacts, gold-plated From page 666	Replacement PE screws From page 662

Heavy-duty connectors

HEAVYCON B – contact inserts

B24 series

500 V, 10 A ... 20 A

Connection technology:

- Push-in connection
- Push-in double connection
- Screw connection
- Insulation displacement connection
- Crimp connection

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

Order crimp contacts separately

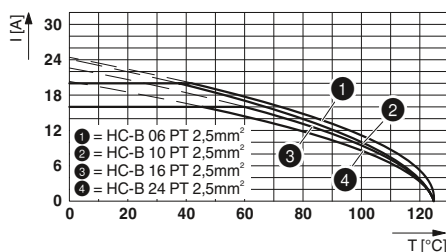
Only operate connectors when there is no load/the power is switched off

¹⁾ For flexible wires with wire end protection

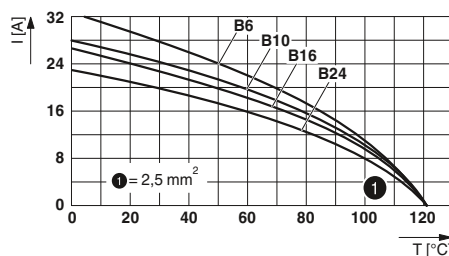


Type	Technical data				
	① ② HC-B 24-I-PT-...	③ ④ HC-B 24-I-TPT-...	⑤ ⑥ HC-B 24-I-UT-...	⑦ ⑧ HC-B 24-E...Q-2,5	⑨ ⑩ HC-B 24-I-CT-...
Approvals	CE ENEC UL	CE ENEC UL	CE ENEC UL	CE ENEC ENEC	CE ENEC ENEC
IEC data					
Rated current, contacts (at 40°C)	[A] 16	10	20	16	16
Overvoltage category	III	III	III	III	III
Degree of pollution	3	3	3	3	3
Rated voltage (III/3) contacts	[V] 500	500	500	500	500
Rated surge voltage, contacts	[kV] 6	6	6	6	6
Connection cross section	[mm²] 0.14 ... 2.5 ¹⁾	0.25 ... 1.5 ¹⁾	0.5 ... 2.5	0.34 ... 2.5	0.5 ... 4
UL data					
Rated voltage	[V] 600	600	600	600	600
Rated current	[A] 13	13	16	10	13
Connection cross section	AWG 14	16	14	14	22-14
CSA / cUL data					
Rated voltage	[V] 600	600	600	600	600
Rated current	[A] 10	10	13	10	20
Connection cross section	AWG 14	16	22-14	16	20-12
Material data					
Contact carrier material	PC	PC	PC	PA	PA
Inflammability class in acc. with UL 94	V0	V0	V0	V0	V0
Contact material	Copper alloy	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Contact surface material	Ag/Sn (tarnish protection)	Ag	Ag	Ag	Ag (alternatively Au)
Ambient conditions					
Ambient temperature range	[°C] -40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125
General data					
Connection method	Push-in connection	Push-in connection	Screw connection	QUICKON connection	Crimp connection
Stripping length	[mm] 8 ... 10	8	8	-	7.5
Number of positions	24	24	24	24	24
Contact numbering	1 - 24	1 - 24	1 - 24	1 - 24	1 - 24
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	≥ 500	≥ 500

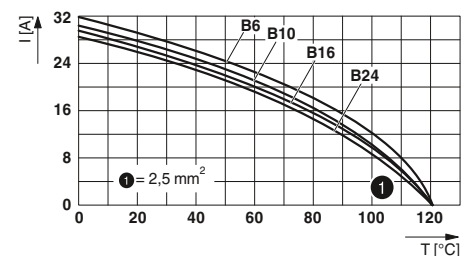
Derating curves



HC-B 24-I-PT-...

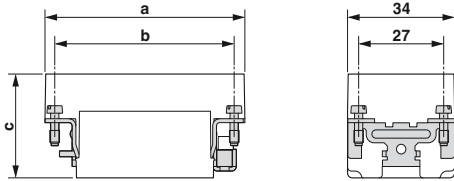
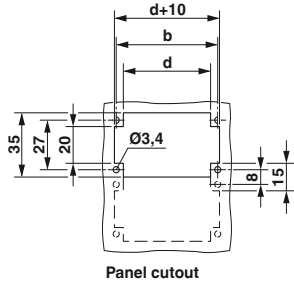


HC-B 24-I-UT-...



HC-B 24-I-CT-...

Ordering data							
Description	Pos.	Number	Size	Type	Order No.		Pcs./ Pkt.
					Female	Male	
Push-in connection							
	24	1 - 24	B24 / B48	① HC-B 24-I-PT-...	1407735	1407736	1
	24	25 - 48	B24 / B48	② HC-B 24-I-PT-...-48	1407737	1407738	1
Push-in double connection							
	24	1 - 24	B24	③ HC-B 24-I-TPT-...	1423022	1423021	1
	24 / 0	25 - 48	B24 / B48	④ HC-B 24-I-TPT-...-48	1423828	1423827	1
Screw connection							
	24	1 - 24	B24 / B48	⑤ HC-B 24-I-UT-...	1648306	1648296	1
	24	25 - 48	B24 / B48	⑥ HC-B 24-I-UT-...-48	1584949	1584936	1
Insulation displacement connection							
	24	1 - 24	B24 / B48	⑦ HC-B 24-E...Q-2,5	1605585	1605640	10
	24	1 - 24	B24 / B48	⑧ HC-B 24-E...Q-2,5-48	1605608	1605666	10
Crimp connection							
	24	1 - 24	B24 / B48	⑨ HC-B 24-I-CT-...	1648348	1648335	1
	24	25 - 48	B24 / B48	⑩ HC-B 24-I-CT-...-48	1584981	1584978	1
Turned crimp contacts CK 2,5 Silver-plated							
			Cross section mm² / AWG				
			0.5 - 0.5 / 20	CK2,5-ED-0,50... AG	1663640	1663572	100
			0.75 - 0.75 / 18	CK2,5-ED-0,75... AG	1663653	1663585	100
			0.75 - 1 / 18	CK2,5-ED-1,00... AG	1663666	1663598	100
			1.5 - 1.5 / 16	CK2,5-ED-1,50... AG	1663679	1663608	100
			2.5 - 2.5 / 14	CK2,5-ED-2,50... AG	1663682	1663611	100
			4 - 4 / 12	CK2,5-ED-4,00... AG	1663705	1663637	100

Dimensions (in mm)				
				
Dimensional drawing				
				
Panel cutout				

		a	b	c	d
①	Female	111	104	37	98
	Male			34.4	
②	Female	111	104	37	98
	Male			34.4	
③	Female	111	104	34.6	98
	Male			34.6	
④	Female	111	104	34.6	98
	Male			34.6	
⑤	Female	111	104	34.6	98
	Male			32	
⑥	Female	111	104	34.6	98
	Male			32	
⑦	Female	111	104	37	98
	Male			35	
⑧	Female	111	104	37	98
	Male			35	
⑨	Female	111	104	34.6	98
	Male			32	
⑩	Female	111	104	34.6	98
	Male			32	

Accessories			
			
Crimping tools From page 670	Coding elements From page 656	Crimp contacts, gold-plated From page 666	Replacement PE screws From page 662

Heavy-duty connectors

HEAVYCON B – contact inserts

B6, B10, B16, B24 series terminal adapters

500 V, 16 A

Connection technology:
– Push-in connection

Notes:

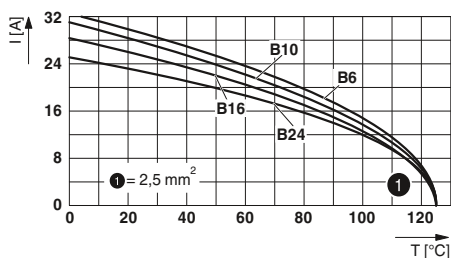
For accessories, see from page 654

Only operate connectors when there is no load/the power is switched off

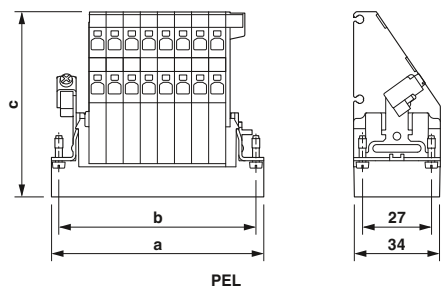
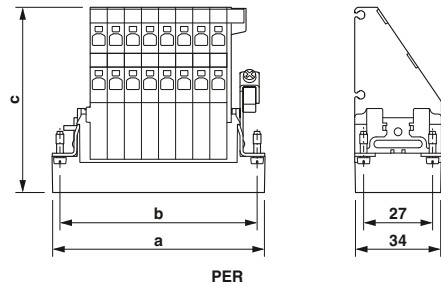
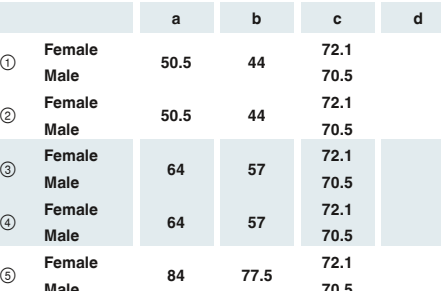


Type	Technical data			
	① ② HC-B 6-A-DT-PEL-...	③ ④ HC-B 10-A-DT-PEL-...	⑤ ⑥ HC-B 16-A-DT-PEL-...	⑦ ⑧ HC-B 24-A-DT-PEL-...
Approvals	CE, UL, ENEC	CE, UL, ENEC	CE, UL, ENEC	CE, UL, ENEC
IEC data				
Rated current, contacts (at 40°C)	[A] 16	16	16	16
Overvoltage category	III	III	III	III
Degree of pollution	3	3	3	3
Rated voltage (III/3) contacts	[V] 500	500	500	500
Rated surge voltage, contacts	[kV] 6	6	6	6
Connection cross section	[mm²] 0.5 ... 2.5	0.5 ... 2.5	0.5 ... 2.5	0.5 ... 2.5
UL data				
Rated voltage	[V] 600	600	600	600
Rated current	[A] 13	13	13	13
Connection cross section	AWG 22-14	22-14	22-14	22-14
CSA / cUL data				
Rated voltage	[V] 600	600	600	600
Rated current	[A] 13	13	13	13
Connection cross section	AWG 22-14	22-14	22-14	22-14
Material data				
Contact carrier material	PA	PA	PA	PA
Inflammability class in acc. with UL 94	V0	V0	V0	V0
Contact material	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Contact surface material	Ag	Ag	Ag	Ag
Temperature data				
Ambient temperature range	[°C] -40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125
General data				
Connection method	Push-in connection	Push-in connection	Push-in connection	Push-in connection
Stripping length	[mm] 10	10	10	10
Number of positions	6	10	16	24
Contact numbering	1 - 6	1 - 10	1 - 16	1 - 24
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	≥ 500

Derating curves



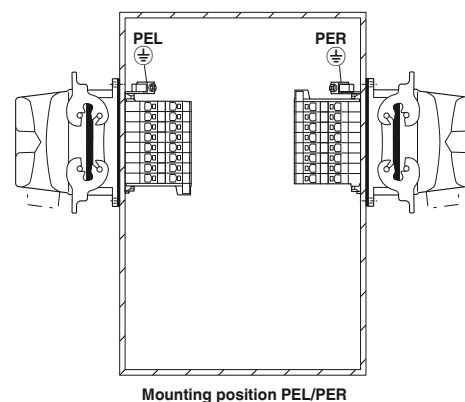
HC-B ...-A-DT-PER-...

				Ordering data																																																																																													
Description	Pos.	Number	Size	Type	Order No.		Pcs./ Pkt.	Dimensions (in mm)																																																																																									
					Female	Male																																																																																											
Push-in connection		6	1 - 6	B6	PE left ① HC-B 6-A-DT-PEL-...	1648351	1648364	5																																																																																									
		6	1 - 6	B6	PE right ② HC-B 6-A-DT-PER-...	1648377	1648380	5																																																																																									
Push-in connection		10	1 - 10	B10	PE left ③ HC-B 10-A-DT-PEL-...	1648393	1648403	5																																																																																									
		10	1 - 10	B10	PE right ④ HC-B 10-A-DT-PER-...	1648416	1648429	5																																																																																									
Push-in connection		16	1 - 16	B16	PE left ⑤ HC-B 16-A-DT-PEL-...	1648432	1648445	5																																																																																									
		16	1 - 16	B16	PE right ⑥ HC-B 16-A-DT-PER-...	1648458	1648461	5																																																																																									
Push-in connection		24	1 - 24	B24	PE left ⑦ HC-B 24-A-DT-PEL-...	1648474	1648487	5	<table><tr><th></th><th>a</th><th>b</th><th>c</th><th>d</th></tr><tr><td>① Female</td><td>50.5</td><td>44</td><td>72.1</td><td></td></tr><tr><td>① Male</td><td></td><td></td><td>70.5</td><td></td></tr><tr><td>② Female</td><td>50.5</td><td>44</td><td>72.1</td><td></td></tr><tr><td>② Male</td><td></td><td></td><td>70.5</td><td></td></tr><tr><td>③ Female</td><td>64</td><td>57</td><td>72.1</td><td></td></tr><tr><td>③ Male</td><td></td><td></td><td>70.5</td><td></td></tr><tr><td>④ Female</td><td>64</td><td>57</td><td>72.1</td><td></td></tr><tr><td>④ Male</td><td></td><td></td><td>70.5</td><td></td></tr><tr><td>⑤ Female</td><td>84</td><td>77.5</td><td>72.1</td><td></td></tr><tr><td>⑤ Male</td><td></td><td></td><td>70.5</td><td></td></tr><tr><td>⑥ Female</td><td>84</td><td>77.5</td><td>72.1</td><td></td></tr><tr><td>⑥ Male</td><td></td><td></td><td>70.5</td><td></td></tr><tr><td>⑦ Female</td><td>111</td><td>104</td><td>72.1</td><td></td></tr><tr><td>⑦ Male</td><td></td><td></td><td>70.5</td><td></td></tr><tr><td>⑧ Female</td><td>111</td><td>104</td><td>72.1</td><td></td></tr><tr><td>⑧ Male</td><td></td><td></td><td>70.5</td><td></td></tr></table>					a	b	c	d	① Female	50.5	44	72.1		① Male			70.5		② Female	50.5	44	72.1		② Male			70.5		③ Female	64	57	72.1		③ Male			70.5		④ Female	64	57	72.1		④ Male			70.5		⑤ Female	84	77.5	72.1		⑤ Male			70.5		⑥ Female	84	77.5	72.1		⑥ Male			70.5		⑦ Female	111	104	72.1		⑦ Male			70.5		⑧ Female	111	104	72.1		⑧ Male			70.5	
			a	b	c	d																																																																																											
① Female	50.5	44	72.1																																																																																														
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② Male			70.5																																																																																														
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⑧ Female	111	104	72.1																																																																																														
⑧ Male			70.5																																																																																														
24	1 - 24	B24	PE right ⑧ HC-B 24-A-DT-PER-...	1648490	1648500	5																																																																																											
Foot element				HC-KA-FE	1775240		10																																																																																										
Locking screw barrel				HC-VSH	1660083		10	<table><tr><td>PEL</td><td>PER</td></tr></table>				PEL	PER																																																																																				
PEL	PER																																																																																																

Accessories



Coding elements
From page 656



Heavy-duty connectors

HEAVYCON B – contact inserts

B6, B10, B16, B24 series terminal adapters

500 V, 16 A

Connection technology:
– Screw connection

Notes:

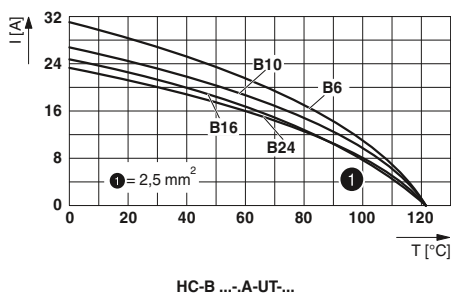
For accessories, see from page 654

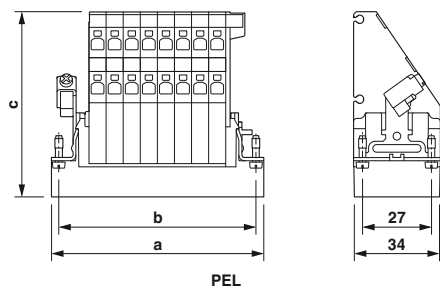
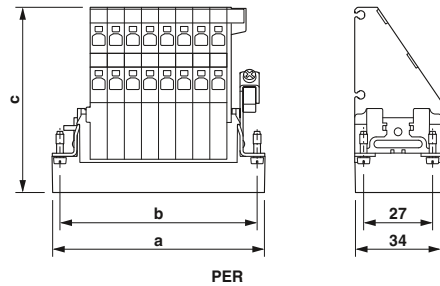
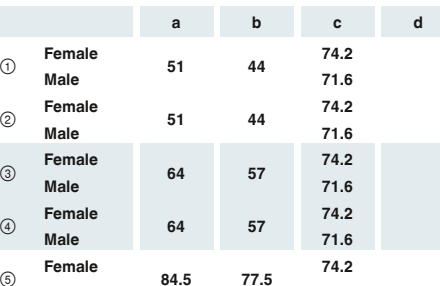
Only operate connectors when there is no load/the power is switched off

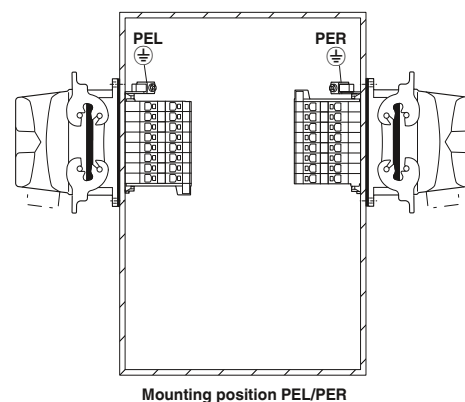


Type	Technical data			
	① ② HC-B 6-A-UT-PEL-...	③ ④ HC-B 10-A-UT-PEL-...	⑤ ⑥ HC-B 16-A-UT-PEL-...	⑦ ⑧ HC-B 24-A-UT-PEL-...
Approvals	CE, UL, ENEC	CE, UL, ENEC	CE, UL, ENEC	CE, UL, ENEC
IEC data				
Rated current, contacts (at 40°C)	16	16	16	16
Overvoltage category	III	III	III	III
Degree of pollution	3	3	3	3
Rated voltage (III/3) contacts	500	500	500	500
Rated surge voltage, contacts	6	6	6	6
Connection cross section	0.5 ... 2.5	0.5 ... 2.5	0.5 ... 2.5	0.5 ... 2.5
UL data				
Rated voltage	600	600	600	600
Rated current	13	13	13	13
Connection cross section	22-14	22-14	22-14	22-14
CSA / cUL data				
Rated voltage	600	600	600	600
Rated current	13	13	13	13
Connection cross section	22-14	22-14	22-14	22-14
Material data				
Contact carrier material	PA	PA	PA	PA
Inflammability class in acc. with UL 94	V0	V0	V0	V0
Contact material	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Contact surface material	Ag	Ag	Ag	Ag
Temperature data				
Ambient temperature range	-40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125
General data				
Connection method	Screw connection	Screw connection	Screw connection	Screw connection
Stripping length	12	12	12	12
Number of positions	6	10	16	24
Contact numbering	1 - 6	1 - 10	1 - 16	1 - 24
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	≥ 500

Derating curves



				Ordering data																																																																																												
Description	Pos.	Number	Size	Type	Order No.		Pcs./ Pkt.	Dimensions (in mm)																																																																																								
					Female	Male																																																																																										
Screw connection 	6	1 - 6	B6	PE left ① HC-B 6-A-UT-PEL-...	1648018	1648024	5																																																																																									
	6	1 - 6	B6	PE right ② HC-B 6-A-UT-PER-...	1648066	1648072	5																																																																																									
Screw connection 	10	1 - 10	B10	PE left ③ HC-B 10-A-UT-PEL-...	1648030	1648036	5																																																																																									
	10	1 - 10	B10	PE right ④ HC-B 10-A-UT-PER-...	1648078	1648084	5																																																																																									
Screw connection 	16	1 - 16	B16	PE left ⑤ HC-B 16-A-UT-PEL-...	1648042	1648048	5																																																																																									
	16	1 - 16	B16	PE right ⑥ HC-B 16-A-UT-PER-...	1648090	1648096	5																																																																																									
Screw connection 	24	1 - 24	B24	PE left ⑦ HC-B 24-A-UT-PEL-...	1648054	1648060	5	<table><tr><th></th><th>a</th><th>b</th><th>c</th><th>d</th></tr><tr><td>① Female</td><td>51</td><td>44</td><td>74.2</td><td></td></tr><tr><td>① Male</td><td>51</td><td>44</td><td>71.6</td><td></td></tr><tr><td>② Female</td><td>51</td><td>44</td><td>74.2</td><td></td></tr><tr><td>② Male</td><td>51</td><td>44</td><td>71.6</td><td></td></tr><tr><td>③ Female</td><td>64</td><td>57</td><td>74.2</td><td></td></tr><tr><td>③ Male</td><td>64</td><td>57</td><td>71.6</td><td></td></tr><tr><td>④ Female</td><td>64</td><td>57</td><td>74.2</td><td></td></tr><tr><td>④ Male</td><td>64</td><td>57</td><td>71.6</td><td></td></tr><tr><td>⑤ Female</td><td>84.5</td><td>77.5</td><td>74.2</td><td></td></tr><tr><td>⑤ Male</td><td>84.5</td><td>77.5</td><td>71.6</td><td></td></tr><tr><td>⑥ Female</td><td>84.5</td><td>77.5</td><td>74.2</td><td></td></tr><tr><td>⑥ Male</td><td>84.5</td><td>77.5</td><td>71.6</td><td></td></tr><tr><td>⑦ Female</td><td>111</td><td>104</td><td>74.2</td><td></td></tr><tr><td>⑦ Male</td><td>111</td><td>104</td><td>71.6</td><td></td></tr><tr><td>⑧ Female</td><td>111</td><td>104</td><td>74.2</td><td></td></tr><tr><td>⑧ Male</td><td>111</td><td>104</td><td>71.6</td><td></td></tr></table>					a	b	c	d	① Female	51	44	74.2		① Male	51	44	71.6		② Female	51	44	74.2		② Male	51	44	71.6		③ Female	64	57	74.2		③ Male	64	57	71.6		④ Female	64	57	74.2		④ Male	64	57	71.6		⑤ Female	84.5	77.5	74.2		⑤ Male	84.5	77.5	71.6		⑥ Female	84.5	77.5	74.2		⑥ Male	84.5	77.5	71.6		⑦ Female	111	104	74.2		⑦ Male	111	104	71.6		⑧ Female	111	104	74.2		⑧ Male	111	104	71.6	
		a	b	c	d																																																																																											
① Female	51	44	74.2																																																																																													
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② Female	51	44	74.2																																																																																													
② Male	51	44	71.6																																																																																													
③ Female	64	57	74.2																																																																																													
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④ Male	64	57	71.6																																																																																													
⑤ Female	84.5	77.5	74.2																																																																																													
⑤ Male	84.5	77.5	71.6																																																																																													
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⑥ Male	84.5	77.5	71.6																																																																																													
⑦ Female	111	104	74.2																																																																																													
⑦ Male	111	104	71.6																																																																																													
⑧ Female	111	104	74.2																																																																																													
⑧ Male	111	104	71.6																																																																																													
24	1 - 24	B24	PE right ⑧ HC-B 24-A-UT-PER-...	1648102	1648108	5																																																																																										
Foot element 				HC-KA-FE	1775240		10																																																																																									
Locking screw barrel 				HC-VSH	1660083		10	<table><tr><td>PEL</td><td>PER</td></tr></table>				PEL	PER																																																																																			
PEL	PER																																																																																															



Accessories



Coding elements
From page 656

Heavy-duty connectors

HEAVYCON B – contact inserts

BB10, BB18, BB32, BB46 series

500 V, 16 A

Connection technology:

– Push-in connection

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

Only operate connectors when there is no load/the power is switched off

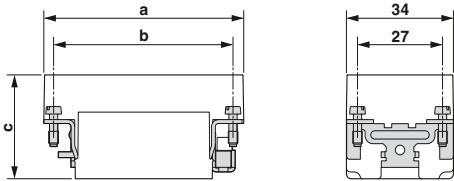
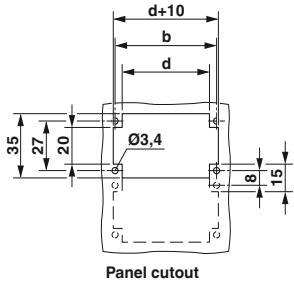
¹⁾ For flexible wires with wire end protection

new



Type	Technical data			
	① HC-BB 10-I-PT-...	② HC-BB 18-I-PT-...	③ HC-BB 32-I-PT-...	④ HC-BB 46-I-PT-...
Approvals	-	-	-	-
IEC data				
Rated current, contacts (at 40°C)	[A] 16	16	16	16
Overtoltage category	III	III	III	III
Degree of pollution	3	3	3	3
Rated voltage (III/3) contacts	[V] 500	500	500	500
Rated surge voltage, contacts	[kV] 6	6	6	6
Connection cross section	[mm²] 0.34 ... 2.5 ¹⁾	0.34 ... 2.5 ¹⁾	0.34 ... 2.5 ¹⁾	0.34 ... 2.5 ¹⁾
UL data				
Rated voltage	[V] -	-	-	-
Rated current	[A] -	-	-	-
Connection cross section	AWG -	-	-	-
CSA / cUL data				
Rated voltage	[V] -	-	-	-
Rated current	[A] -	-	-	-
Connection cross section	AWG -	-	-	-
Material data				
Contact carrier material	PC	PC	PC	PC
Inflammability class in acc. with UL 94	V0	V0	V0	V0
Contact material	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Contact surface material	Au/Sn	Au/Sn	Au/Sn	Au/Sn
Temperature data				
Ambient temperature range	[°C] -40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125
General data				
Connection method	Push-in connection	Push-in connection	Push-in connection	Push-in connection
Stripping length	[mm] 10	10	10	10
Number of positions	10	18	32	46
Contact numbering	1 - 10	1 - 18	1 - 32	1 - 46
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	≥ 500

Ordering data							
Description	Pos.	Number	Size	Type	Order No.		Pcs./ Pkt.
					Female	Male	
Push-in connection							
	10	1 - 10	B6	① HC-BB 10-I-PT...	1014417	1014418	1
Push-in connection							
	18	1 - 18	B10	② HC-BB 18-I-PT...	1014419	1014420	1
Push-in connection							
	32	1 - 32	B16	③ HC-BB 32-I-PT...	1014421	1014422	1
Push-in connection							
	46	1 - 46	B24	④ HC-BB 46-I-PT...	1014423	1014424	1

Dimensions (in mm)				
				
Dimensional drawing				
				
Panel cutout				

	a	b	c	d
① Female	51	44	32.5	35
① Male				
② Female	64	57	33.2	48
② Male				
③ Female	84.5	77.5	33.2	68.5
③ Male				
④ Female	111	104	32.5	95
④ Male				

Accessories



Coding profiles
From page 656



Replacement PE screws
From page 662

Heavy-duty connectors

HEAVYCON B – contact inserts

BB10, BB18, BB32, BB46 series

500 V, 16 A

Connection technology:

– Crimp connection

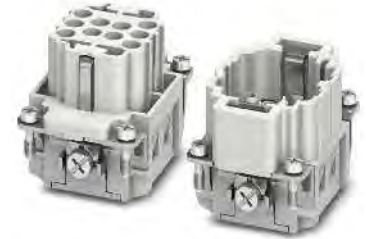
To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

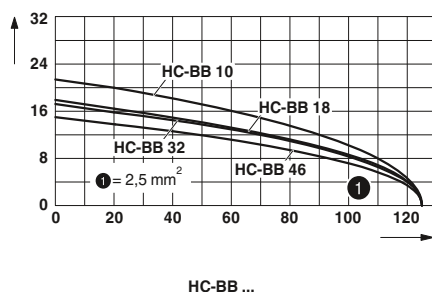
Order crimp contacts separately

Only operate connectors when there is no load/the power is switched off

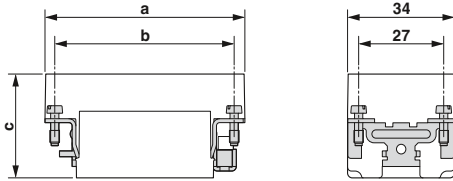
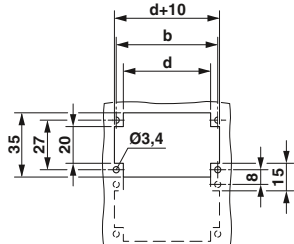


Type	Technical data			
	① HC-BB 10-I-CT-...	② HC-BB 18-I-CT-...	③ ④ HC-BB 32-I-CT-...	⑤ ⑥ HC-BB 46-I-CT-...
Approvals	UL ENEC RL	UL ENEC RL	UL ENEC RL	UL ENEC RL
IEC data				
Rated current, contacts (at 40°C)	[A] 16	16	16	16
Overtightening category	III	III	III	III
Degree of pollution	3	3	3	3
Rated voltage (III/3) contacts	[V] 500	500	500	500
Rated surge voltage, contacts	[kV] 6	6	6	6
Connection cross section	[mm²] 0.5 ... 4	0.5 ... 4	0.5 ... 4	0.5 ... 4
UL data				
Rated voltage	[V] 600	600	600	600
Rated current	[A] 20	20	16	16
Connection cross section	AWG 12	12	12	12
CSA / cUL data				
Rated voltage	[V] 600	600	600	600
Rated current	[A] 18	16	13.5	13.5
Connection cross section	AWG 12	12	12	12
Material data				
Contact carrier material	PC	PC	PC	PC
Inflammability class in acc. with UL 94	V0	V0	V0	V0
Contact material	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Contact surface material	Ag (alternatively Au)	Ag (alternatively Au)	Ag (alternatively Au)	Ag (alternatively Au)
Temperature data				
Ambient temperature range	[°C] -40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125
General data				
Connection method	Crimp connection	Crimp connection	Crimp connection	Crimp connection
Stripping length	[mm] 7.5	7.5	7.5	7.5
Number of positions	10	18	32	46
Contact numbering	1 - 10	1 - 18	1 - 32	1 - 46
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	≥ 500

Derating curves



Ordering data							
Description	Pos.	Number	Size	Type	Order No.		Pcs./Pkt.
					Female	Male	
Crimp connection							
	10	1 - 10	B6	① HC-BB 10-I-CT-...	1584703	1584774	1
Crimp connection							
	18	1 - 18	B10	② HC-BB 18-I-CT-...	1584729	1584716	1
Crimp connection							
	32	1 - 32	B16 / B32	③ HC-BB 32-I-CT-...	1584745	1584732	1
	32	33 - 64	B16 / B32	④ HC-BB 32-I-CT-... 33-64	1406543	1406544	1
Crimp connection							
	46	1 - 46	B24 / B48	⑤ HC-BB 46-I-CT-...	1584758	1584761	1
	46	47 - 92	B24 / B48	⑥ HC-BB 46-I-CT-... 47-92	1406545	1406546	1
Turned crimp contacts CK 2,5 Silver-plated		Cross section mm ² / AWG		CK2,5-ED-0,50... AG CK2,5-ED-0,75... AG CK2,5-ED-1,00... AG CK2,5-ED-1,50... AG CK2,5-ED-2,50... AG CK2,5-ED-4,00... AG	1663640 1663653 1663666 1663679 1663682 1663705	1663572 1663585 1663598 1663608 1663611 1663637	100 100 100 100 100 100
		0.5 - 0.5 / 20					
		0.75 - 0.75 / 18					
		0.75 - 1 / 18					
		1.5 - 1.5 / 16					
		2.5 - 2.5 / 14					
4 - 4 / 12							
Turned crimp contacts CK 2,5 Gold-plated		Cross section mm ² / AWG		CK2,5-ED-0,50... AU CK2,5-ED-1,00... AU CK2,5-ED-1,50... AU CK2,5-ED-2,50... AU CK2,5-ED-4,00... AU	1674859 1674833 1674820 1674862 1674846	1674804 1674781 1674778 1674817 1674794	100 100 100 100 100 100
		0.5 - 0.5 / 20					
		0.75 - 1 / 18					
		1.5 - 1.5 / 16					
		2.5 - 2.5 / 14					
		4 - 4 / 12					

Dimensions (in mm)				
				
Dimensional drawing				
				
Panel cutout				

	a	b	c	d
① Female	51	44	32.5	35
Male			33.2	
② Female	64	57	32.5	48
Male			33.2	
③ Female	84.5	77.5	32.5	68.5
Male			33.2	
④ Female	84.5	77.5	32.5	68.5
Male			33.2	
⑤ Female	111	104	32.5	95
Male			33.2	
⑥ Female	111	104	32.5	95
Male			33.2	

	a	b	c	d
① Female	51	44	32.5	35
① Male			33.2	
② Female	64	57	32.5	48
② Male			33.2	
③ Female	84.5	77.5	32.5	68.5
③ Male			33.2	
④ Female	84.5	77.5	32.5	68.5
④ Male			33.2	
⑤ Female	111	104	32.5	95
⑤ Male			33.2	
⑥ Female	111	104	32.5	95
⑥ Male			33.2	

Accessories



Crimping tools
From page 670



Coding profiles
From page 656



Replacement PE screws
From page 662

Heavy-duty connectors

HEAVYCON B – contact inserts

BBB40, BBB64 series

500 V, 16 A

Connection technology:

– Crimp connection

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

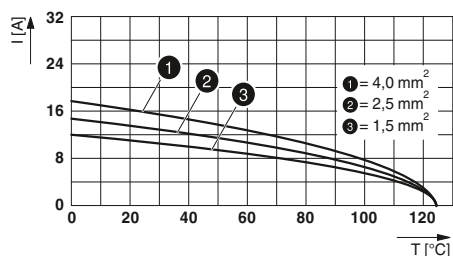
Order crimp contacts separately

Only operate connectors when there is no load/the power is switched off

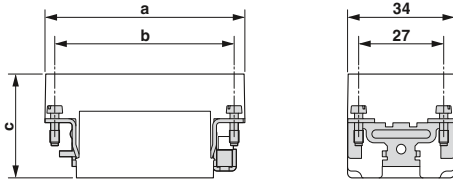
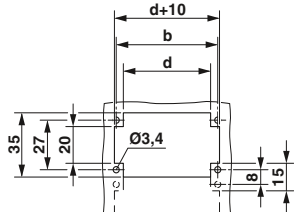
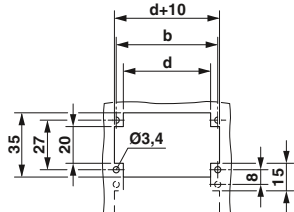


Type	Technical data			
	① HC-BBB 40-E...C	② HC-BBB 64-E...C		
Approvals	ERE 	ERE 		
IEC data				
Rated current, contacts (at 40°C)	[A]	16	16	
Overtoltage category		III	III	
Degree of pollution		3	3	
Rated voltage (III/3) contacts	[V]	500	500	
Rated surge voltage, contacts	[kV]	6	6	
Connection cross section	[mm²]	0.5 ... 4	0.5 ... 4	
UL data				
Rated voltage	[V]	600	600	
Rated current	[A]	16	16	
Connection cross section	AWG	12	12	
CSA / cUL data				
Rated voltage	[V]	-	-	
Rated current	[A]	-	-	
Connection cross section	AWG	-	-	
Material data				
Contact carrier material	PC	PC		
Inflammability class in acc. with UL 94	V0	V0		
Contact material	Copper alloy	Copper alloy		
Contact surface material	Ag (alternatively Au)	Ag (alternatively Au)		
Temperature data				
Ambient temperature range	[°C]	-40 ... 125	-40 ... 125	
General data				
Connection method	Crimp connection	Crimp connection		
Stripping length	[mm]	7.5	7.5	
Number of positions		40	64	
Contact numbering		1 - 40	1 - 64	
Insertion/withdrawal cycles		≥ 500	≥ 500	

Derating curves



HC-BBB ...

				Ordering data																																				
Description	Pos.	Number	Size	Type	Order No.		Pcs./ Pkt.	Dimensions (in mm)																																
					Female	Male																																		
Crimp connection																																								
	40	1 - 40	B16 / B32	① HC-BBB 40-E...C	1409930	1409921	1																																	
Crimp connection																																								
	64	1 - 64	B24 / B48	② HC-BBB 64-E...C	1409914	1409901	1	 Dimensional drawing  Panel cutout																																
								<table><tr><td></td><td></td><td>a</td><td>b</td><td>c</td><td>d</td></tr><tr><td rowspan="2">①</td><td>Female</td><td>84</td><td></td><td>37</td><td></td></tr><tr><td>Male</td><td>84.5</td><td>77.5</td><td>34.4</td><td>68.5</td></tr><tr><td rowspan="2">②</td><td>Female</td><td>111</td><td>104</td><td>39</td><td></td></tr><tr><td>Male</td><td></td><td></td><td>36.4</td><td>95</td></tr></table>							a	b	c	d	①	Female	84		37		Male	84.5	77.5	34.4	68.5	②	Female	111	104	39		Male			36.4	95
		a	b	c	d																																			
①	Female	84		37																																				
	Male	84.5	77.5	34.4	68.5																																			
②	Female	111	104	39																																				
	Male			36.4	95																																			
Turned crimp contacts CK 2,5 Silver-plated																																								
																																								
Turned crimp contacts CK 2,5 Gold-plated																																								
																																								

Accessories



Crimping tools
From page 670



Coding elements
From page 657



Replacement PE screws
From page 662

Heavy-duty connectors

HEAVYCON B – contact inserts

HV03, HV06, HV10 series

High-voltage applications

Push-in connection

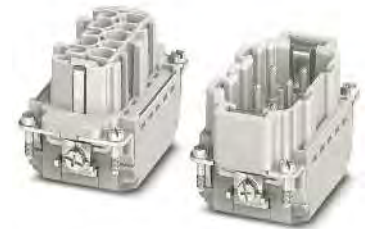
830 V, 16 A

Connection technology:

- Push-in connection
- With 2 lagging switch contacts
- For all size B housing

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:
For accessories, see from page 654
Only operate connectors when there is no load/the power is switched off
¹⁾ For flexible wires with wire end protection



Type	Technical data			
	① HC-HV03-I-PT-...	② HC-HV06-I-PT-...	③ HC-HV10-I-PT-...	
Approvals	 	 	 	
IEC data				
Rated current, contacts (at 40°C)	[A] 16	16	16	
Overvoltage category	III	III	III	
Degree of pollution	3	3	3	
Rated voltage (III/3) contacts	[V] 830	830	830	
Rated surge voltage, contacts	[kV] 8	8	8	
Connection cross section	[mm²] 0.14 ... 2.5 ¹⁾	0.14 ... 2.5 ¹⁾	0.14 ... 2.5 ¹⁾	
UL data				
Rated voltage	[V] 600	600	600	
Rated current	[A] 21	20	20	
Connection cross section	AWG 14	14	14	
CSA / cUL data				
Rated voltage	[V] 600	600	600	
Rated current	[A] 16	16	15	
Connection cross section	AWG 14	14	14	
Material data				
Contact carrier material	PC	PC	PC	
Inflammability class in acc. with UL 94	V0	V0	V0	
Contact material	Copper alloy	Copper alloy	Copper alloy	
Contact surface material	-	-	-	
Temperature data				
Ambient temperature range	[°C] -40 ... 125	-40 ... 125	-40 ... 125	
General data				
Connection method	Push-in connection	Push-in connection	Push-in connection	
Stripping length	[mm] 8 ... 10	8 ... 10	8 ... 10	
Number of positions	5	8	12	
Contact numbering	-	-	-	
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	

[illegible]

Accessories



Coding elements
From page 657



Replacement PE screws
From page 662

Heavy-duty connectors

HEAVYCON B – contact inserts

HV03, HV06, HV10 series

High-voltage applications

Crimp connection

830 V, 25 A

Connection technology:

- Crimp connection
- With 2 lagging switch contacts
- For all size B housing

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

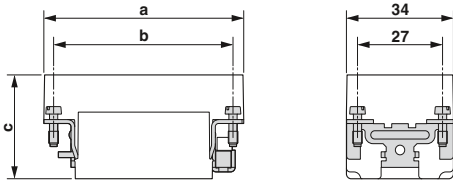
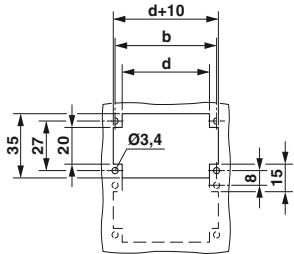
For accessories, see from page 654

Order crimp contacts separately

Only operate connectors when there is no load/the power is switched off



Type	Technical data			
	① HC-HV03-I-CT...	② HC-HV06-I-CT...	③ HC-HV10-I-CT...	
Approvals	ERE 	ERE 	ERE 	
IEC data				
Rated current, contacts (at 40°C)	[A] 25	25	25	
Overvoltage category	III	III	III	
Degree of pollution	3	3	3	
Rated voltage (III/3) contacts	[V] 830	830	830	
Rated surge voltage, contacts	[kV] 8	8	8	
Connection cross section	[mm²] 0.5 ... 4	0.5 ... 4	0.5 ... 4	
UL data				
Rated voltage	[V] 600	600	600	
Rated current	[A] 16	16	16	
Connection cross section	AWG 12	12	12	
CSA / cUL data				
Rated voltage	[V] -	-	-	
Rated current	[A] -	-	-	
Connection cross section	AWG -	-	-	
Material data				
Contact carrier material	PA	PA	PA	
Inflammability class in acc. with UL 94	V0	V0	V0	
Contact material	Copper alloy	Copper alloy	Copper alloy	
Contact surface material	Ag (alternatively Au)	Ag (alternatively Au)	Ag (alternatively Au)	
Temperature data				
Ambient temperature range	[°C] -40 ... 125	-40 ... 125	-40 ... 125	
General data				
Connection method	Crimp connection	Crimp connection	Crimp connection	
Stripping length	[mm] 7.5	7.5	7.5	
Number of positions	5	8	12	
Contact numbering	-	-	-	
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	

Ordering data								
Description	Pos.	Number	Size	Type	Order No.		Pcs./ Pkt.	Dimensions (in mm)
					Female	Male		
Crimp connection	3 / 2		B10	① HC-HV03-I-CT-...	1405261	1405260	1	 Dimensional drawing  Panel cutout
Crimp connection	6 / 2		B16 / B32	② HC-HV06-I-CT-...	1405263	1405262	1	
Crimp connection	10 / 2		B24 / B48	③ HC-HV10-I-CT-...	1405265	1405264	1	
Turned crimp contacts CK 2,5 Silver-plated		Cross section mm² / AWG 0.5 - 0.5 / 20 0.75 - 0.75 / 18 0.75 - 1 / 18 1.5 - 1.5 / 16 2.5 - 2.5 / 14 4 - 4 / 12		CK2,5-ED-0,50... AG CK2,5-ED-0,75... AG CK2,5-ED-1,00... AG CK2,5-ED-1,50... AG CK2,5-ED-2,50... AG CK2,5-ED-4,00... AG	1663640 1663653 1663666 1663679 1663682 1663705	1663572 1663585 1663598 1663608 1663611 1663637	100 100 100 100 100 100	
Turned switch contacts CK 2,5 Male, silver-plated		Cross section mm² / AWG 1 - 1 / 18 1.5 - 1.5 / 16 2.5 - 2.5 / 14		CK2,5-ED-1,00ST-S AG CK2,5-ED-1,50ST-S AG CK2,5-ED-2,50ST-S AG		1663857 1663860 1663873		

Accessories


 Crimping tools
 From page 670

 Coding elements
 From page 657

 Replacement PE screws
 From page 662

Heavy-duty connectors

HEAVYCON B – contact inserts

HS series

High-current applications

400 V / 690 V, 41 A
1000 V, 80 A

Connection technology:

– Screw connection

To determine the corresponding housing, see the system cross-reference list on page 502.

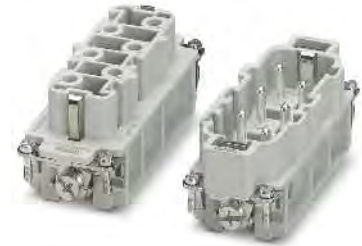
Notes:

For accessories, see from page 654

Only operate connectors when there is no load/the power is switched off

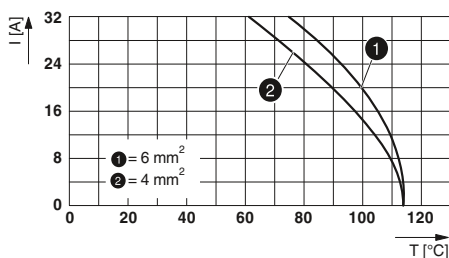
For assembly instructions, see phoenixcontact.net/products

¹⁾ For rigid conductors and flexible wires with wire end protection

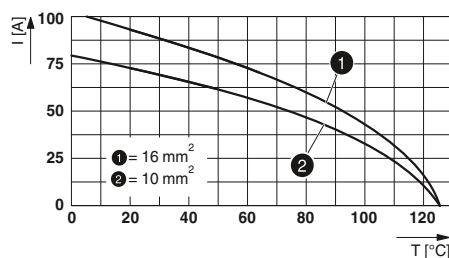


Type	Technical data			
	① ② HC-HS06-I-UT...	③ HC-K 6/0-E...S		
Approvals	UL ENEC RL	UL ENEC RL		
IEC data				
Rated current, contacts (at 40°C)	[A]	41	80	
Overtoltage category		III	III	
Degree of pollution		3	3	
Rated voltage (III/3) contacts	[V]	400 / 690	1000	
Rated surge voltage, contacts	[kV]	6	8	
Connection cross section	[mm²]	0.5 ... 6	6 ... 16	
UL data				
Rated voltage	[V]	600	600	
Rated current	[A]	35	80	
Connection cross section	AWG	10	6	
CSA / cUL data				
Rated voltage	[V]	600	600	
Rated current	[A]	32	60	
Connection cross section	AWG	10	10-6	
Material data				
Contact carrier material	PC	PA		
Inflammability class in acc. with UL 94	V0	V0		
Contact material	Copper alloy	Copper alloy		
Contact surface material	Ag	Ag		
Temperature data				
Ambient temperature range	[°C]	-40 ... 125	-40 ... 125	
General data				
Connection method	Screw connection	Screw connection		
Stripping length	[mm]	10	15	
Number of positions		6	6	
Contact numbering		1 - 6	1 - 6	
Insertion/withdrawal cycles		≥ 500	≥ 500	

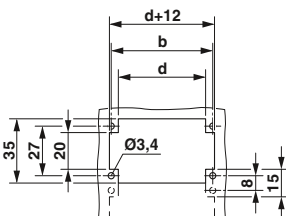
Derating curves



HC-HS06-I-UT...



HC-K 6/0-E...S

Ordering data																																													
Description	Pos.	Number	Size	Type	Order No.		Pcs./ Pkt.																																						
					Female	Male																																							
Screw connection																																													
	6	1 - 6	B16 / B32	① HC-HS06-I-UT...	1406530	1406531	1																																						
	6	7 - 12	B16 / B32	② HC-HS06-I-UT... 7-12	1406533	1406534	1																																						
Screw connection ¹⁾																																													
	6	1 - 6	B16 / B32	③ HC-K 6/0-E...S	1580537	1580538	10																																						
Panel cutout																																													
																																													
Panel cutout																																													
<table><tr><th></th><th>a</th><th>b</th><th>c</th><th>d</th></tr><tr><td rowspan="2">①</td><td>Female</td><td>84.5</td><td>77.5</td><td>34</td><td>72</td></tr><tr><td>Male</td><td></td><td></td><td></td><td></td></tr><tr><td rowspan="2">②</td><td>Female</td><td>84.5</td><td>77.5</td><td>34</td><td>72</td></tr><tr><td>Male</td><td></td><td></td><td></td><td></td></tr><tr><td rowspan="2">③</td><td>Female</td><td>84</td><td>77.4</td><td>49.7</td><td>72</td></tr><tr><td>Male</td><td></td><td></td><td>46.3</td><td></td></tr></table>									a	b	c	d	①	Female	84.5	77.5	34	72	Male					②	Female	84.5	77.5	34	72	Male					③	Female	84	77.4	49.7	72	Male			46.3	
	a	b	c	d																																									
①	Female	84.5	77.5	34	72																																								
	Male																																												
②	Female	84.5	77.5	34	72																																								
	Male																																												
③	Female	84	77.4	49.7	72																																								
	Male			46.3																																									

Accessories



Coding profiles
From page 656



Replacement PE screws
From page 662

Heavy-duty connectors

HEAVYCON B – contact inserts

K series

Combination applications for power and signal

400 V ... 830 V, 40 A ... 80 A

Connection technology:

- Power and control contacts
- Screw connection

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

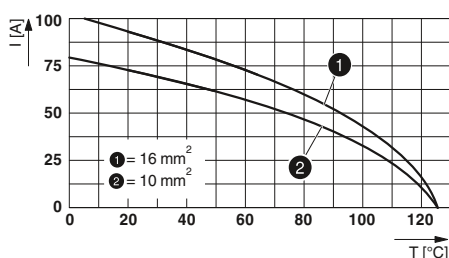
Only operate connectors when there is no load/the power is switched off

¹⁾ For rigid conductors and flexible wires with wire end protection

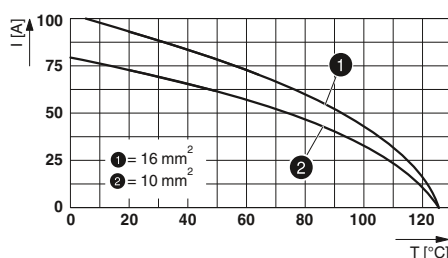


Type	Technical data					
	① HC-K 4/0-E...S		② HC-K 4/2-E...S		③ HC-K 4/8-E...S	
	Power contacts	Control contacts	Power contacts	Control contacts	Power contacts	Control contacts
Approvals	EAC		EAC		EAC	
IEC data						
Rated current	[A]	80	-	-	80	16
Overvoltage category		III		III		III
Degree of pollution		3		3		3
Rated voltage (III/3) contacts	[V]	830	-	-	400	400
Rated surge voltage, contacts	[kV]	8	-	-	6	6
Connection cross section	[mm ²]	1.5 ... 16	-	-	1.5 ... 16	0.5 ... 2.5
UL data						
Rated voltage	[V]	600	600	-	600	-
Rated current	[A]	80	16	-	16	-
Connection cross section	AWG	6	14	-	14	-
CSA / cUL data						
Rated voltage	[V]	-	-	-	-	-
Rated current	[A]	-	-	-	-	-
Connection cross section	AWG	-	-	-	-	-
Material data						
Contact carrier material	PC		PC		PA	
Inflammability class in acc. with UL 94	V0		V0		V0	
Contact material	Cu alloy		Cu alloy		Copper alloy	
Contact surface material	Ag	-	Ag	Ag	Ag	Ag
Temperature data						
Ambient temperature range	[°C]	-40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125
General data						
Connection method	Screw connection		-	-	Screw connection	Screw connection
Hexagonal socket	[mm]	-	-	-	-	-
Stripping length	[mm]	-	-	-	14	7
Number of positions		4	4	2	4	8
Contact numbering		1 - 4	-	-	1 - 4	1 - 8
Insertion/withdrawal cycles		≥ 500	≥ 500	≥ 500	≥ 500	≥ 500

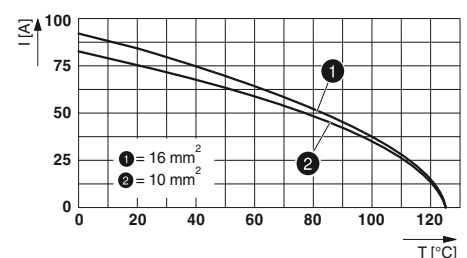
Derating curves



HC-K 4/0-E...S



HC-K 4/2-E...S



HC-K 4/8-E...S

Heavy-duty connectors

HEAVYCON B – contact inserts

K series

Combination applications for power and signal

690 V, 40 A

Connection technology:

- Power and control contacts
- Screw connection

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

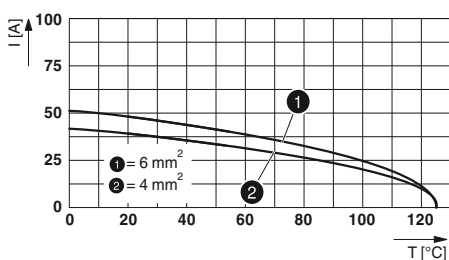
For accessories, see from page 654

Only operate connectors when there is no load/the power is switched off

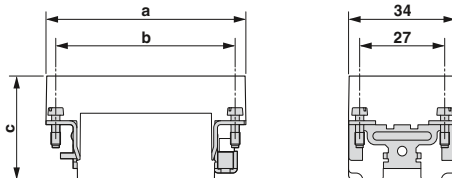
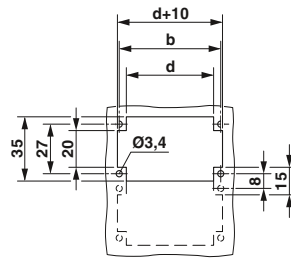


		Technical data					
Type		① HC-K 6/6-E...S		② HC-K 6/12-E...S			
		Power contacts	Control contacts	Power contacts	Control contacts		
Approvals		UL		FRL			
IEC data							
Rated current	[A]	-	-	40	10		
Overvoltage category		III		III			
Degree of pollution		3		3			
Rated voltage (III/3) contacts	[V]	-	-	690	230 / 400		
Rated surge voltage, contacts	[kV]	-	-	8	4		
Connection cross section	[mm²]	-	-	2.5 ... 8	0.2 ... 2.5		
UL data							
Rated voltage	[V]	600	-	-	-		
Rated current	[A]	16	-	-	-		
Connection cross section	AWG	14	-	-	-		
CSA / cUL data							
Rated voltage	[V]	-	-	-	-		
Rated current	[A]	-	-	-	-		
Connection cross section	AWG	-	-	-	-		
Material data							
Contact carrier material		PC		PC			
Inflammability class in acc. with UL 94		V0		V0			
Contact material		Cu alloy		Cu alloy			
Contact surface material		Ag	Ag	Ag	Ag		
Temperature data							
Ambient temperature range	[°C]	-40 ... 125		-40 ... 125			
General data							
Connection method		-	-	Axial screw connection	Screw connection		
Hexagonal socket	[mm]	-	-	2	-		
Stripping length	[mm]	-	-	8	10		
Number of positions		6	6	6	12		
Contact numbering		-	-	1 - 6	11 - 22		
Insertion/withdrawal cycles		≥ 500		≥ 500			

Derating curves



HC-K 6/12-E...S

Ordering data																																
Description	Pos.	Number	Size	Type	Order No.		Pcs./ Pkt.																									
					Female	Male																										
Axial screw connection	6 / 6	1 - 6	B24 / B48	① HC-K 6/6-E...S	1636402	1636392	1																									
																																
Axial screw connection	6 / 12	1 - 6	B16 / B32	② HC-K 6/12-E...S	1636363	1636350	1																									
																																
																																
Dimensional drawing																																
																																
Panel cutout																																
<table><tr><td></td><td>a</td><td>b</td><td>c</td><td>d</td></tr><tr><td>① Female</td><td></td><td></td><td></td><td></td></tr><tr><td>① Male</td><td></td><td></td><td></td><td></td></tr><tr><td>② Female</td><td>84.1</td><td>77.5</td><td>47</td><td>68.5</td></tr><tr><td>② Male</td><td>84.5</td><td></td><td>47.2</td><td></td></tr></table>									a	b	c	d	① Female					① Male					② Female	84.1	77.5	47	68.5	② Male	84.5		47.2	
	a	b	c	d																												
① Female																																
① Male																																
② Female	84.1	77.5	47	68.5																												
② Male	84.5		47.2																													

Accessories



Coding elements
From page 657



Replacement PE screws
From page 662

Heavy-duty connectors

HEAVYCON B – contact inserts

K series

Combination applications for power and signal

230 V / 400 V ... 690 V, 16 A ... 40 A

Connection technology:

- Power and control contacts
- Crimp connection

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

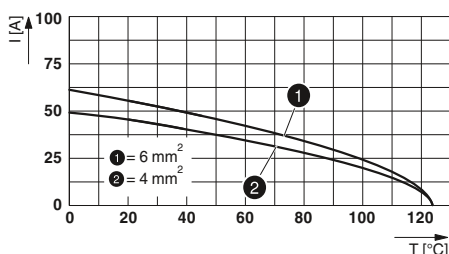
Order crimp contacts separately

Only operate connectors when there is no load/the power is switched off

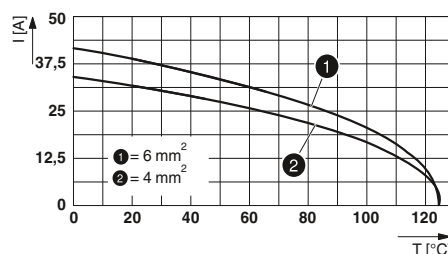


Type	Technical data					
	① HC-K 6/36-E...C		② HC-K12/ 2-E...C		③ HC-K 8/24-E...C	
	Power contacts	Control contacts	Power contacts	Control contacts	Power contacts	Control contacts
Approvals	UL		UL		UL	
IEC data						
Rated current [A]	40	10	40	10	16	10
Overvoltage category	III		III		III	
Degree of pollution	3		3		3	
Rated voltage (III/3) contacts [V]	690	160	690	250	230 / 400	160
Rated surge voltage, contacts [kV]	8	2.5	8	4	4	2.5
Connection cross section [mm²]	1.5 ... 6	0.14 ... 2.5	1.5 ... 6	0.14 ... 2.5	0.5 ... 4	0.14 ... 2.5
UL data						
Rated voltage [V]	600	-	600	-	600	-
Rated current [A]	10	-	10	-	10	-
Connection cross section AWG	14	-	14	-	14	-
CSA / cUL data						
Rated voltage [V]	-	-	-	-	-	-
Rated current [A]	-	-	-	-	-	-
Connection cross section AWG	-	-	-	-	-	-
Material data						
Contact carrier material	PC		PC		PA	
Inflammability class in acc. with UL 94	V0		V0		V0	
Contact material	Cu alloy		Cu alloy		Cu alloy	
Contact surface material	Ag	Ag (alternatively Au)	Ag	Ag (alternatively Au)	Ag (alternat. Au)	Ag (alternatively Au)
Temperature data						
Ambient temperature range [°C]	-40 ... 125		-40 ... 125		-40 ... 125	
General data						
Connection method	Crimp connection	Crimp connection	Crimp connection	Crimp connection	Crimp connection	Crimp connection
Stripping length [mm]	9	8	9	8	7.5	8
Number of positions	6	36	12	2	8	24
Contact numbering	1 - 6	1 - 36	1 - 12	1 - 2	1 - 8	1 - 24
Insertion/withdrawal cycles	≥ 500		≥ 500		≥ 500	

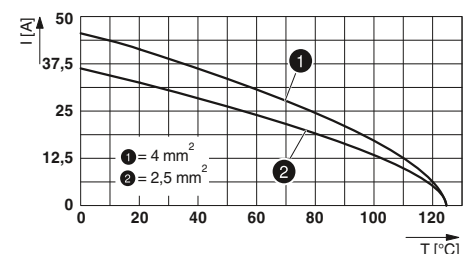
Derating curves



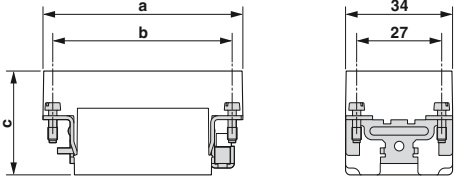
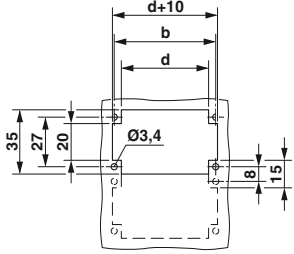
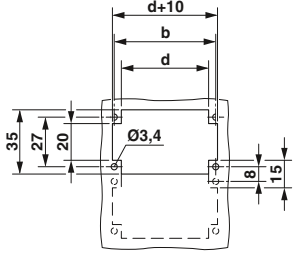
HC-K 6/36 E...C



HC-K 12/2 E...C



HC-K 8/24 E...C

				Ordering data			Dimensions (in mm)
Description	Pos.	Number	Size	Type	Order No. Female Male	Pcs./ Pkt.	
Crimp connection CK 4,0/CK 1,6	6 / 36	1 - 6	B16 / B32	① HC-K 6/36-E...C	1636389 1636376	1	
Crimp connection CK 4,0/CK 1,6	12 / 2	1 - 12	B16 / B32	② HC-K12/ 2-E...C	1636347 1636334	1	
Crimp connection CK 2,5/CK 1,6	8 / 24	1 - 8	B10	③ HC-K 8/24-E...C	1636321 1636318	1	
Turned crimp contacts CK 1,6 Silver-plated			Cross section mm ² / AWG 0.14 - 0.37 / 26 - 22 0.5 - 0.5 / 20 0.75 - 0.75 / 18 0.75 - 1 / 18 1.5 - 1.5 / 16 2.5 - 2.5 / 14	CK1,6-ED-0,37... AG CK1,6-ED-0,50... AG CK1,6-ED-0,75... AG CK1,6-ED-1,00... AG CK1,6-ED-1,50... AG CK1,6-ED-2,50... AG	1663394 1663336 1663404 1663349 1663417 1663352 1663420 1663365 1663433 1663378 1663446 1663381	100 100 100 100 100 100	
Turned crimp contacts CK 2,5 Silver-plated			Cross section mm ² / AWG 0.5 - 0.5 / 20 0.75 - 0.75 / 18 0.75 - 1 / 18 1.5 - 1.5 / 16 2.5 - 2.5 / 14 4 - 4 / 12	CK2,5-ED-0,50... AG CK2,5-ED-0,75... AG CK2,5-ED-1,00... AG CK2,5-ED-1,50... AG CK2,5-ED-2,50... AG CK2,5-ED-4,00... AG	1663640 1663572 1663653 1663585 1663666 1663598 1663679 1663608 1663682 1663611 1663705 1663637	100 100 100 100 100 100	
Turned crimp contacts CK 4,0 Silver-plated			Cross section mm ² / AWG 1.5 - 1.5 / 16 2.5 - 2.5 / 14 4 - 4 / 12 6 - 6 / 10 10 - 10 / 8	CK4,0-ED-1,50... AG CK4,0-ED-2,50... AG CK4,0-ED-4,00... AG CK4,0-ED-6,00... AG CK4,0-ED-10,00... AG	1663271 1663239 1663284 1663242 1663297 1663255 1663307 1663268 1586183 1586198	25 25 25 25 25	

	a	b	c	d
① Female	84.5	77.5	41.5	68.5
① Male			39	
② Female	84.5	77.5	41.5	72
② Male			39.6	
③ Female	64	57	38	49
③ Male			36	

Accessories



Crimping tools
From page 670



Coding elements
From page 657



Crimp contacts, gold-plated
From page 666



Replacement PE screws
From page 662

Heavy-duty connectors

HEAVYCON B – contact inserts

Power

TYPE	HC-M-01-AT-...-40	HC-M-01-AT-...-40-PE	HC-M-02-AT-...-35	HC-M-02-AT-...-16	HC-M-02-AT-...-10
					
Connection technology	Axial screw	Axial screw	Axial screw	Axial screw	Axial screw
Number of positions	1	1	2	2	2
IEC rated data	200 A, 1000 V, 70 mm ²	PE, 70 mm ²	100 A, 1000 V, 35 mm ²	70 A, 1000 V, 25 mm ²	40 A, 1000 V, 10 mm ²
UL rated data	146 A, 600 V, AWG 00	PE, AWG 00	127 A, 600 V, AWG 2	69 A, 600 V, AWG 6	55 A, 600 V, AWG 8
Module slots	2	2	2	1	1
Page	572	572	572	572	572

TYPE	HC-M-02-CT-...	HC-M-03-CT-...	HC-M-03/04-CT-...	HC-M-04-CT-...	HC-M-02-CT-...-HV-16
					
Connection technology	Crimp connection CK 4,0	Crimp connection CK 4,0	Crimp connection CK 4,0 / CK 1,6	Crimp connection CK 4,0	Crimp connection CK 2,5
Number of positions	2	3	3 / 4	4	2
IEC rated data	40 A, 1000 V, 10 mm ²	40 A, 690 V, 10 mm ²	40 / 10 A, 830 V, 6 / 2.5 mm ²	40 A, 830 V, 6 mm ²	16 A, 2900 / 5000 V, 4 mm ²
UL rated data	42 A, 600 V, AWG 10	42 A, 600 V, AWG 10	40 A, 600 A, AWG 10	37 A, 600 V, AWG 10	28 A, 600 V, AWG 12
Module slots	1	1	1	1	2
Page	574	574	574	574	578

TYPE	HC-M-05-PT-...	HC-M-05L-TPT-...	HC-M-06P-CT-...	HC-M-06-PT-...	HC-M-06-CT-...
					
Connection technology	Push-in connection	Push-in double connection	Crimp connection CK 2,5	Push-in connection	Crimp connection CK 2,5
Number of positions	5	5	6	6	6
IEC rated data	16 A, 400 V, 2.5 mm ²	10 A, 230 / 400 V, 1.5 mm ²	16 A, 830 V, 4 mm ²	16 A, 500 V, 4 mm ²	16 A, 500 V, 4 mm ²
UL rated data	19 A, 600 V, AWG 14	16 A, 600 V, AWG 16	24 A, 600 V, AWG 12	-	24 A, 600 V, AWG 12
Module slots	1	1	1	1	1
Page	576	576	578	576	578

TYPE	HC-M-08-PT-...	HC-M-08-CT-...		HC-M-20-CT-...	
					
Connection technology	Push-in connection	Crimp connection CK 2,5		Crimp connection CK 2,5	
Number of positions	8	8		20	
IEC rated data	16 A, 400 V, 4 mm ²	16 A, 400 V, 4 mm ²		16 A, 500 V, 4 mm ²	
UL rated data	-	20 A, 600 V, AWG 12		17.5 A, 600 V, AWG 12	
Module slots	1	1		2	
Page	576	578		578	

Signal

TYPE	HC-M-12-PT-...	HC-M-12-CT-...	HC-M-17-CT-...	HC-M-25-CT-...	
					
Connection technology	Push-in connection	Crimp connection CK 1,6	Crimp connection CK 1,6	Crimp connection VS 1,0	
Number of positions	12	12	17	25	
IEC rated data	10 A, 250 V, 1.5 mm ²	10 A, 250 V, 2.5 mm ²	10 A, 160 V, 2.5 mm ²	4 A, 50 V, 0.5 mm ²	
UL rated data	-	16 A, 600 V, AWG 14	14 A, 600 V, AWG 14	5 A, 30 V, AWG 20	
Module slots	1	1	1	1	
Page	576	580	580	586	

Data							
TYPE	HC-M-DSUB 09-CT...	HC-M-DSUB 09-UT...	HC-M-08-GBIT-CT...	HC-M-04-KT...	HC-M-04-...-KOAX...		
Connection technology	Crimp connection VS 1,0	Screw connection	Crimp connection VS 1,0	For coaxial crimp contacts	Coaxial crimp contacts		
Data transmission rate	-	12 Mbps, PROFIBUS	10 Gbps, CAT 6 _A	-	≥ 2 GHz		
IEC rated data	1 A, 50 V, 0.5 mm ²	1 A, 50 V, 0.5 mm ²	5 A, 50 V, 0.5 mm ²	-	75 Ω	50 Ω	
UL rated data	-	-	5 A, 30 V, AWG 20	-			
Number of positions / module slots	9 / 1	9 / 1	8 / 1	4 / 1	-		
Page	586	586	586	588	588		
TYPE	HC-M-02-EMC....	HC-M-EMC-DSUB...	HC-M-EMV-...	HC-M01-COAX-1,6...	HC-M01-COAX-1,6...		
Connection technology	EMC connector	Crimp connection VS 1,0	Crimp connection CK 1,6	Crimp connection CK 1,6	Crimp connection CK 2,5		
Data transmission rate	-	100 Mbps, CAT 5e	100 Mbps, CAT 5e	500 MHz, 75 Ω coaxial	500 MHz, 50 Ω coaxial		
IEC rated data	-	5 A, 50 V, 0.52 mm ²	10 A, 50 V, 2.5 mm ²	10 A, 50 V	16 A, 50 V		
UL rated data	-	5 A, 30 V, AWG 20	10 A, 30 V, AWG 16	10 A, 30 V	16 A, 30 V		
Number of positions / module slots	2 / 2	8 / -	4 / -	1 / -	1 / -		
Page	582	582	582	584	584		
TYPE	HC-M-RJ45-08-GC...	HC-M-RJ45-...	HC-M-RJI-AD-PC...	CUC-INI-C1ZNI-S/R4IE8	CUC-INI-C1ZNI-S/R4IP8		
Connection technology	RJ45 gender changer	RJ45, crimp connection	RJ Industrial, IDC				
Data transmission rate	10 Gbps, 500 MHz	10 Gbps, 500 MHz	1 Gbps, 100 MHz				
Description	CAT 6 _A	CAT 6 _A	For RJ Industrial, IDC	CAT 5e	CAT 5e		
Number of positions	8	-	-	-			
Module slots	1	1	1	AWG 26-24			
Page	590	590	590	590	AWG 23-22		
					590		
TYPE	HC-M-RJ45-...	NBC-R4AC1/1,0-94G/R4AC1-BU	FL CAT6 PATCH 1,0	FL CAT5 PATCH 1,0			
Connection technology	RJ45 patch cable						
Data transmission rate		10 Gbps, 500 MHz	1 Gbps, 250 MHz	1 Gbps, 100 MHz			
Description	For RJ45 patch cables	CAT 6 _A patch cable	CAT 6 patch cable	CAT 5e patch cable			
Number of positions	-	-	-	-			
Module slots	1	-	-	-			
Page	590	590	590	590			
Pneumatics							
TYPE	HC-M-02-PN-M...	HC-M-PN2...	HC-M-03-PN-M...	HC-M-PN3...			Dummy module
Hose internal diameter	6 mm	6 mm	1.6 mm	1.6 mm	3 mm	4 mm	
Number of positions	2	-	3	-	-	-	
Module slots	1	-	1	-	-	-	1
Page	592	592	592	592	592	592	594

Heavy-duty connectors

HEAVYCON B – contact inserts

Modular contact inserts

1000 V, 40 A ... 200 A

Connection technology:

– Axial screw connection

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

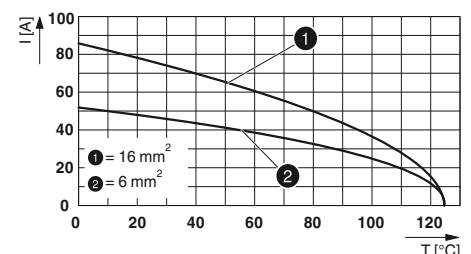
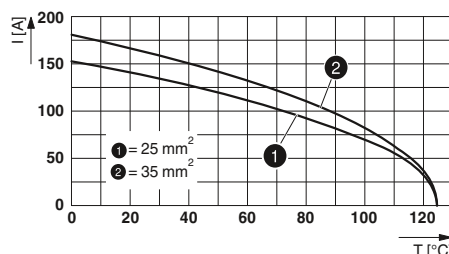
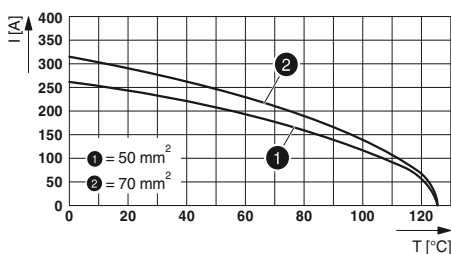
Only operate connectors when there is no load/the power is switched off

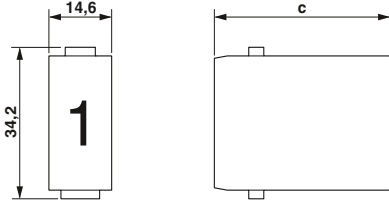
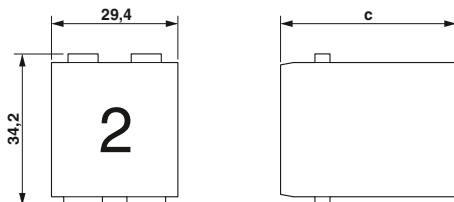
¹⁾ For a housing height of ≥ 72 mm only



Type	Technical data				
	① HC-M-01-AT...-40	② HC-M-01-AT...-40-PE PE module	③ HC-M-02-AT...-35	④ HC-M-02-AT...-16	⑤ HC-M-02-AT...-10
Approvals					
IEC data					
Rated current, contacts (at 40°C)	[A] 200	-	100	70	40
Overvoltage category	III	-	III	III	III
Degree of pollution	3	-	3	3	3
Rated voltage (III/3) contacts	[V] 1000	-	1000	1000	1000
Rated surge voltage, contacts	[kV] 8	-	8	8	8
Connection cross section	[mm ²] 25 ... 70	25 ... 70	10 ... 35	1.5 ... 25	2.5 ... 10
UL data					
Rated voltage	[V] 600	-	600	600	600
Rated current	[A] 146	-	127	69	55
Connection cross section	AWG 0	-	2	6	8
CSA / cUL data					
Rated voltage	[V] 600	-	600	600	600
Rated current	[A] 116	-	100	54	45
Connection cross section	AWG 0	-	2	6	8
Material data					
Contact carrier material	PC	PC	PC	PC	PC
Inflammability class in acc. with UL 94	V0	V0	V0	V0	V0
Contact material	Copper alloy	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Contact surface material	Ag	Ag	Ag	Ag	Ag
Ambient conditions					
Ambient temperature range	[°C] -40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125
General data					
Connection method	Axial screw connection	Axial screw connection	Axial screw connection	Axial screw connection	Axial screw connection
Hexagonal socket	[mm] 5	5	4	2.5	2
Stripping length	[mm] 16	16	13	11	5
Number of positions	1	1	2	2	2
Contact numbering	-	-	1 - 2	1 - 2	1 - 2
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	≥ 500	≥ 500

Derating curves



Ordering data																																																															
Description	Pos.	Number	Slots	Type	Order No.		Pcs./ Pkt.	Dimensions (in mm)																																																							
					Female	Male																																																									
Axial screw connection¹)																																																															
	1		2	① HC-M-01-AT-...-40	1417379	1417381	2	 1 module slot																																																							
Axial screw connection¹)	1		2	PE module ② HC-M-01-AT-...-40-PE	1417380	1417382	2																																																								
								 2 module slots																																																							
Axial screw connection¹)	2	1 - 2	2	③ HC-M-02-AT-...-35	1417390	1417392	2																																																								
								<table><tr><th></th><th>a</th><th>b</th><th>c</th><th>d</th></tr><tr><td>① Female</td><td></td><td></td><td>60</td><td></td></tr><tr><td>① Male</td><td></td><td></td><td>54.5</td><td></td></tr><tr><td>② Female</td><td></td><td></td><td>54.3</td><td></td></tr><tr><td>② Male</td><td></td><td></td><td>54.6</td><td></td></tr><tr><td>③ Female</td><td></td><td></td><td>50.3</td><td></td></tr><tr><td>③ Male</td><td></td><td></td><td>49</td><td></td></tr><tr><td>④ Female</td><td></td><td></td><td>46.5</td><td></td></tr><tr><td>④ Male</td><td></td><td></td><td>45</td><td></td></tr><tr><td>⑤ Female</td><td></td><td></td><td>33.5</td><td></td></tr><tr><td>⑤ Male</td><td></td><td></td><td>34.7</td><td></td></tr></table>		a	b	c	d	① Female			60		① Male			54.5		② Female			54.3		② Male			54.6		③ Female			50.3		③ Male			49		④ Female			46.5		④ Male			45		⑤ Female			33.5		⑤ Male			34.7	
	a	b	c	d																																																											
① Female			60																																																												
① Male			54.5																																																												
② Female			54.3																																																												
② Male			54.6																																																												
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④ Male			45																																																												
⑤ Female			33.5																																																												
⑤ Male			34.7																																																												
Axial screw connection¹)	2	1 - 2	1	④ HC-M-02-AT-...-16	1417296	1417297	2																																																								
																																																															
Axial screw connection¹)	2	1 - 2	1	⑤ HC-M-02-AT-...-10	1417387	1417389	2																																																								
																																																															
Cable lug PE extension from 6 mm² to 16 mm²				HC-M-MHR-PE16	1636981		50																																																								
																																																															

Accessories



Module carrier frames
From page 594



Dummy modules
From page 594

Heavy-duty connectors

HEAVYCON B – contact inserts

Modular contact inserts

690 V ...1000 V, 40 A

Connection technology:

– Crimp connection CK 4,0

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

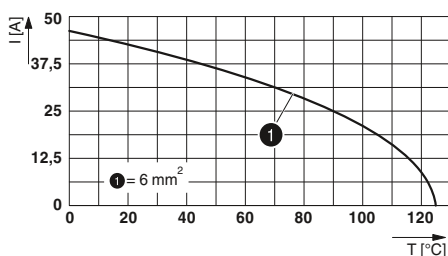
Order crimp contacts separately

Only operate connectors when there is no load/the power is switched off

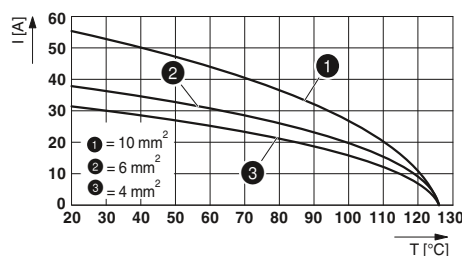


Type	Technical data			
	① HC-M-02-CT...	② HC-M-03-CT...	③ HC-M-04-CT...	④ HC-M-03/04-CT...
Approvals				
IEC data				
Rated current, contacts (at 40°C)	[A] 40	40	40	40
Overtoltage category	III	III	III	III
Degree of pollution	3	3	3	3
Rated voltage (III/3) contacts	[V] 1000	690	830	830
Rated surge voltage, contacts	[kV] 8	6	8	8
Connection cross section	[mm²] 1.5 ... 10	1.5 ... 10	1.5 ... 6	1.5 ... 6
UL data				
Rated voltage	[V] 600	600	600	600
Rated current	[A] 42	42	37	40
Connection cross section	AWG 10	10	10	10
CSA / cUL data				
Rated voltage	[V] 600	600	830	600
Rated current	[A] 34	33	30	33
Connection cross section	AWG 10	10	10	10
Material data				
Contact carrier material	PC	PC	PC	PC
Inflammability class in acc. with UL 94	V0	V0	V0	V0
Contact material	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Contact surface material	Ag	Ag	Ag	Ag
Temperature data				
Ambient temperature range	[°C] -40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125
General data				
Connection method	Crimp connection	Crimp connection	Crimp connection	Crimp connection
Stripping length	[mm] 9	9	9	9
Number of positions	2	3	4	7
Contact numbering	1 - 2	1 - 3	1 - 4	1 - 3
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	≥ 500

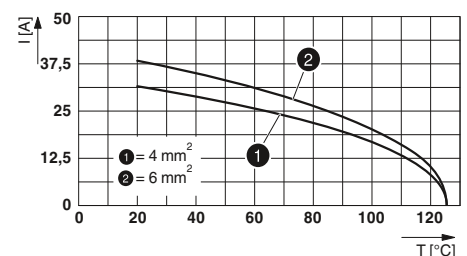
Derating curves



HC-M-02-CT...

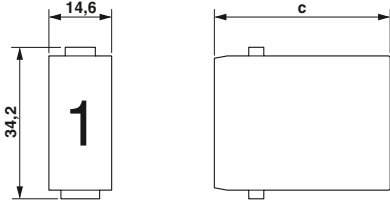
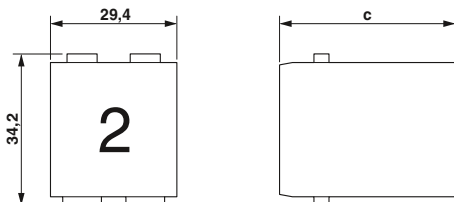


HC-M-03-CT...



HC-M-04-CT...

Ordering data							
Description	Pos.	Number	Slots	Type	Order No.		Pcs./ Pkt.
					Female	Male	
Crimp connection CK 4,0	2	1 - 2	1	① HC-M-02-CT...	1414361	1414360	5
							
Crimp connection CK 4,0	3	1 - 3	1	② HC-M-03-CT...	1414359	1414358	5
							
Crimp connection CK 4,0	4	1 - 4	1	③ HC-M-04-CT...	1414363	1414362	5
							
Crimp connection CK 4,0/CK 1,6	3 / 4	1 - 3	1	④ HC-M-03/04-CT...	1414365	1414364	5
							
Turned crimp contacts CK 4,0 Silver-plated							
							
		Cross section mm² / AWG		CK4,0-ED-1,50... AG	1663271	1663239	25
		1.5 - 1.5 / 16		CK4,0-ED-2,50... AG	1663284	1663242	25
		2.5 - 2.5 / 14		CK4,0-ED-4,00... AG	1663297	1663255	25
		4 - 4 / 12		CK4,0-ED-6,00... AG	1663307	1663268	25
		6 - 6 / 10		CK4,0-ED-10,00... AG	1586183	1586198	25
		10 - 10 / 8					
Turned crimp contacts CK 1,6 Silver-plated							
							
		Cross section mm² / AWG		CK1,6-ED-0,37... AG	1663394	1663336	100
		0.14 - 0.37 / 26 - 22		CK1,6-ED-0,50... AG	1663404	1663349	100
		0.5 - 0.5 / 20		CK1,6-ED-0,75... AG	1663417	1663352	100
		0.75 - 0.75 / 18		CK1,6-ED-1,00... AG	1663420	1663365	100
		0.75 - 1 / 18		CK1,6-ED-1,50... AG	1663433	1663378	100
		1.5 - 1.5 / 16		CK1,6-ED-2,50... AG	1663446	1663381	100
		2.5 - 2.5 / 14					

Dimensions (in mm)				
	1 module slot			
	2 module slots			

	a	b	c	d
① Female			42.4	
① Male			43.7	
② Female			44.7	
② Male			43.1	
③ Female			40.9	
③ Male			44.6	
④ Female			39.1	
④ Male			44.3	

Accessories



Module carrier frames
From page 594



Crimping tools
From page 670



Crimp contacts, gold-plated
From page 666



Dummy modules
From page 594

Heavy-duty connectors

HEAVYCON B – contact inserts

Modular contact inserts

230 V ... 400 V, 10 A ... 16 A

Connection technology:

- Push-in connection
- Push-in double connection

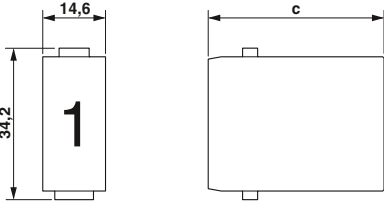
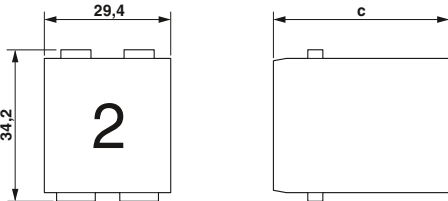
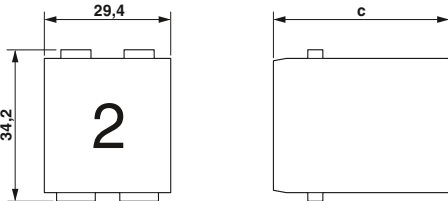
To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:
For accessories, see from page 654
Only operate connectors when there is no load/the power is switched off
For assembly instructions, see phoenixcontact.net/products
¹⁾ For flexible wires with wire end protection

new



Type	Technical data				
	① HC-M-05-PT-...	② HC-M-05L-TPT-...	③ HC-M-06-PT-...	④ HC-M-08-PT-...	⑤ HC-M-12-PT-...
Approvals			-	-	-
IEC data					
Rated current, contacts (at 40°C)	16	10	16	16	10
Overvoltage category	III	III	III	III	III
Degree of pollution	3	3	3	3	3
Rated voltage (III/3) contacts	400	230 / 400	500	400	250
Rated surge voltage, contacts	6	4	6	6	4
Connection cross section	0.14 ... 2.5 ¹⁾	0.25 ... 1.5 ¹⁾	0.34 ... 2.5	0.34 ... 2.5	0.14 ... 1.5 ¹⁾
UL data					
Rated voltage	600	600	-	-	-
Rated current	19	16	-	-	-
Connection cross section	14	16	-	-	-
CSA / cUL data					
Rated voltage	600	600	-	-	-
Rated current	15	12	-	-	-
Connection cross section	14	16	-	-	-
Material data					
Contact carrier material	PC	PC	PC	PC	PC
Inflammability class in acc. with UL 94	V0	V0	V0	V0	V0
Contact material	Copper alloy	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Contact surface material	Ag	Ag	Au/Sn	Au/Sn	Ag
Ambient conditions					
Ambient temperature range	-40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125
General data					
Connection method	Push-in connection	Push-in connection	Push-in connection	Push-in connection	Push-in connection
Hexagonal socket	-	-	-	-	-
Stripping length	8	8	10	10	8
Number of positions	5	5	6	8	12
Contact numbering	1 - 5	1 - 5	1 - 6	1 - 8	1 - 12
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	≥ 500	≥ 500

Ordering data																																																																
Description	Pos.	Number	Slots	Type	Order No.		Pcs./ Pkt.	Dimensions (in mm)																																																								
					Female	Male																																																										
Push-in connection																																																																
	5	1 - 5	1	① HC-M-05-PT-...	1417373	1417372	5																																																									
Push-in double connection																																																																
	5	1 - 5	1	② HC-M-05L-TPT-...	1423962	1423961	1		1 module slot																																																							
Push-in connection																																																																
	6	1 - 6	1	③ HC-M-06-PT-...	1424224	1424225	1		2 module slots																																																							
Push-in connection																																																																
	8	1 - 8	1	④ HC-M-08-PT-...	1424226	1424227	1	<table><tr><th></th><th>a</th><th>b</th><th>c</th><th>d</th></tr><tr><td>① Female</td><td></td><td></td><td>34</td><td></td></tr><tr><td>Male</td><td></td><td></td><td>35.5</td><td></td></tr><tr><td>② Female</td><td></td><td></td><td>38</td><td></td></tr><tr><td>Male</td><td></td><td></td><td>36</td><td></td></tr><tr><td>③ Female</td><td></td><td></td><td>39</td><td></td></tr><tr><td>Male</td><td></td><td></td><td></td><td></td></tr><tr><td>④ Female</td><td></td><td></td><td>39</td><td></td></tr><tr><td>Male</td><td></td><td></td><td></td><td></td></tr><tr><td>⑤ Female</td><td></td><td></td><td>36.3</td><td></td></tr><tr><td>Male</td><td></td><td></td><td></td><td></td></tr></table>		a	b	c	d	① Female			34		Male			35.5		② Female			38		Male			36		③ Female			39		Male					④ Female			39		Male					⑤ Female			36.3		Male					
	a	b	c	d																																																												
① Female			34																																																													
Male			35.5																																																													
② Female			38																																																													
Male			36																																																													
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Male																																																																
⑤ Female			36.3																																																													
Male																																																																
Push-in connection																																																																
	12	1 - 12	1	⑤ HC-M-12-PT-...	1424228	1424246	1																																																									

Accessories



Module carrier frames
From page 594



Dummy modules
From page 594

Heavy-duty connectors

HEAVYCON B – contact inserts

Modular contact inserts

400 V ... 830 V, 16 A

Connection technology:

– Crimp connection CK 2,5

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:
For accessories, see from page 654
Order crimp contacts separately
Only operate connectors when there is no load/the power is switched off
¹⁾ For a housing height of ≥ 72 mm only



Type	Technical data				
	① HC-M-02-CT-...-HV-16	② HC-M-06P-CT-...	③ HC-M-06-CT-...	④ HC-M-08-CT-...	⑤ HC-M-20-CT-...
Approvals					
IEC data					
Rated current, contacts (at 40°C)	[A] 16	16	16	16	16
Overvoltage category	III	III	III	III	III
Degree of pollution	3	3	3	3	3
Rated voltage (III/3) contacts	[V] 2900 / 5000	830	500	400	690
Rated surge voltage, contacts	[kV] 15	8	6	6	6
Connection cross section	[mm²] 0.5 ... 4	0.5 ... 4	0.5 ... 4	0.5 ... 4	0.5 ... 4
UL data					
Rated voltage	[V] 600	600	600	600	600
Rated current	[A] 28	24	24	20	17.5
Connection cross section	AWG 12	12	12	12	12
CSA / cUL data					
Rated voltage	[V] 600	600	600	600	600
Rated current	[A] 24	18	18	16	14
Connection cross section	AWG 12	12	12	12	12
Material data					
Contact carrier material	PC / PTFE	PC	PC	PC	PC
Inflammability class in acc. with UL 94	V0	V0	V0	V0	V0
Contact material	Copper alloy	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Contact surface material	Ag (alternatively Au)	Ag (alternatively Au)	Ag (alternatively Au)	Ag (alternatively Au)	Ag (alternatively Au)
Ambient conditions					
Ambient temperature range	[°C] -40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125	-40 ... 125
General data					
Connection method	Crimp connection	Crimp connection	Crimp connection	Crimp connection	Crimp connection
Stripping length	[mm] 9.5	7.5	7.5	7.5	7.5
Number of positions	2	6	6	8	20
Contact numbering	I, II	1 - 6	1 - 6	1 - 8	1 - 20
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	≥ 500	≥ 500

Accessories

- Module carrier frames**
From page 594
- Crimping tools**
From page 670
- Crimp contacts, gold-plated**
From page 666
- Dummy modules**
From page 594

Heavy-duty connectors

HEAVYCON B – contact inserts

Modular contact inserts

160 V ... 250 V, 10 A

Connection technology:

– Crimp connection CK 1,6

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

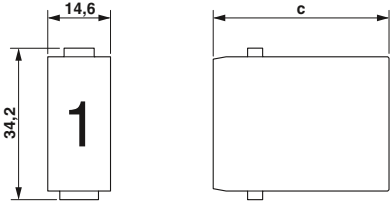
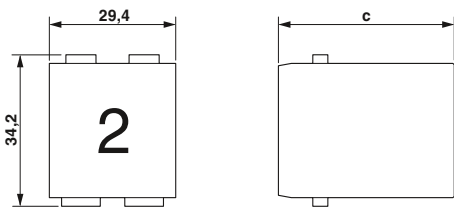
For accessories, see from page 654

Order crimp contacts separately

Only operate connectors when there is no load/the power is switched off



Type	Technical data			
	① HC-M-12-CT...	② HC-M-17-CT...		
Approvals	CE ENEC UL	CE ENEC UL		
IEC data				
Rated current, contacts (at 40°C)	[A] 10	10		
Overvoltage category	III	III		
Degree of pollution	3	3		
Rated voltage (III/3) contacts	[V] 250	160		
Rated surge voltage, contacts	[kV] 4	2.5		
Connection cross section	[mm²] 0.14 ... 2.5	0.14 ... 2.5		
UL data				
Rated voltage	[V] 250	160		
Rated current	[A] 16	14		
Connection cross section	AWG 14	14		
CSA / cUL data				
Rated voltage	[V] 250	160		
Rated current	[A] 12	10		
Connection cross section	AWG 14	14		
Material data				
Contact carrier material	PC	PC		
Inflammability class in acc. with UL 94	V0	V0		
Contact material	Copper alloy	Copper alloy		
Contact surface material	Ag (alternatively Au)	Ag (alternatively Au)		
Temperature data				
Ambient temperature range	[°C] -40 ... 125	-40 ... 125		
General data				
Connection method	Crimp connection	Crimp connection		
Stripping length	[mm] 8	8		
Number of positions	12	17		
Contact numbering	1 - 12	1 - 17		
Insertion/withdrawal cycles	≥ 500	≥ 500		

				Ordering data																																	
Description	Pos.	Number	Slots	Type	Order No.		Pcs./ Pkt.	Dimensions (in mm)																													
					Female	Male																															
Crimp connection CK 1,6	12	1 - 12	1	① HC-M-12-CT-...	1414355	1414354	5																														
Crimp connection CK 1,6	17	1 - 17	1	② HC-M-17-CT-...	1414357	1414356	5																														
								<table><tr><td></td><td>a</td><td>b</td><td>c</td><td>d</td></tr><tr><td>① Female</td><td></td><td></td><td>34</td><td></td></tr><tr><td>① Male</td><td></td><td></td><td></td><td></td></tr><tr><td>② Female</td><td></td><td></td><td>34</td><td></td></tr><tr><td>② Male</td><td></td><td></td><td></td><td></td></tr></table>						a	b	c	d	① Female			34		① Male					② Female			34		② Male				
	a	b	c	d																																	
① Female			34																																		
① Male																																					
② Female			34																																		
② Male																																					
Turned crimp contacts CK 1,6 Silver-plated		Cross section mm² / AWG																																			
		0.14 - 0.37 / 26 - 22		CK1,6-ED-0,37... AG	1663394	1663336	100																														
		0.5 - 0.5 / 20		CK1,6-ED-0,50... AG	1663404	1663349	100																														
		0.75 - 0.75 / 18		CK1,6-ED-0,75... AG	1663417	1663352	100																														
		0.75 - 1 / 18		CK1,6-ED-1,00... AG	1663420	1663365	100																														
		1.5 - 1.5 / 16		CK1,6-ED-1,50... AG	1663433	1663378	100																														
		2.5 - 2.5 / 14		CK1,6-ED-2,50... AG	1663446	1663381	100																														
Turned crimp contacts CK 1,6 Gold-plated		Cross section mm² / AWG																																			
		0.14 - 0.37 / 24 - 22		CK1,6-ED-0,37... AU	1674969	1674901	100																														
		0.5 - 0.5 / 20		CK1,6-ED-0,50... AU	1674480	1672453	100																														
		0.75 - 0.75 / 18		CK1,6-ED-0,75... AU	1672440	1674914	100																														
		0.75 - 1 / 18		CK1,6-ED-1,00... AU	1674943	1674888	100																														
		1.5 - 1.5 / 16		CK1,6-ED-1,50... AU	1674930	1674875	100																														
		2.5 - 2.5 / 14		CK1,6-ED-2,50... AU	1674985	1674927	100																														

Accessories



Module carrier frames
From page 594



Crimping tools
From page 670



Dummy modules
From page 594

Heavy-duty connectors

HEAVYCON B – contact inserts

Modular contact inserts

50 V, 5 A ... 10 A

Connection technology:

- Crimp connection VS 1,0
- Crimp connection CK 1,6

To determine the corresponding housing, see the system cross-reference list on page 502.

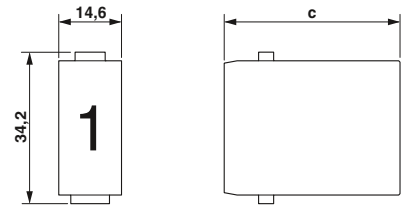
Notes:
For accessories, see from page 654
Order crimp contacts separately
Only operate connectors when there is no load/the power is switched off
¹⁾ For a housing height of ≥ 72 mm only

new

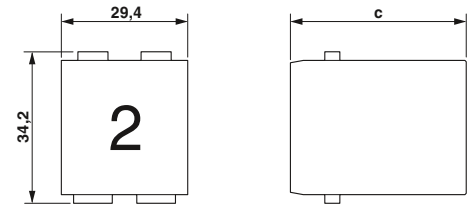


Type	Technical data			
	① HC-M-02-EMC-...	② HC-M-08-EMC-DSUB-...	③ HC-M-EMV-.../3-9,5	
Approvals		-		
IEC data				
Rated current, contacts (at 40°C)	[A] 10	5	10	
Overtoltage category	III	III	III	
Degree of pollution	3	3	3	
Rated voltage (III/3) contacts	[V] 50	50	50	
Rated surge voltage, contacts	[kV] 0.8	0.8	0.8	
Connection cross section	[mm²] 0.14 ... 2.5	0.09 ... 0.52	0.14 ... 2.5	
UL data				
Rated voltage	[V] -	-	42	
Rated current	[A] -	-	10	
Connection cross section	AWG -	-	16	
CSA / cUL data				
Rated voltage	[V] -	-	42	
Rated current	[A] -	-	9	
Connection cross section	AWG -	-	16	
Material data				
Contact carrier material	PC	PC	PC	
Inflammability class in acc. with UL 94	V0	V0	V0	
Contact material	Copper alloy	Copper alloy	Copper alloy	
Contact surface material	Ag (power)/Au (signal)	AU	Ag (alternatively Au)	
Temperature data				
Ambient temperature range	[°C] -40 ... 125	-40 ... 85	-40 ... 85	
General data				
Connection method	Crimp connection	-	Crimp connection	
Stripping length	[mm] -	-	8	
Number of positions	2	8	4	
Contact numbering	1 - 2	1 - 8	1 - 4	
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	

				Ordering data			Dimensions (in mm)
Description	Pos.	Number	Slots	Type	Female	Male	
EMC module ¹⁾							
	2	1 - 2	2	① HC-M-02-EMC-...	1417376	1417374	2
EMC connector, crimp connection VS 1,0							
	8	1 - 8		② HC-M-08-EMC-DSUB-...	1066080	1066082	1
EMC connector, crimp connection CK 1,6							
	4	1 - 4		③ HC-M-EMV-.../3-9,5	1636091	1636088	1
Shield adapters							
				HC-M-ADP-EMC	1420486	1420486	1
Turned crimp contacts VS 1,0 Gold-plated							
				CUC-DSC-...1BAU-S/DSC28	1418787	1418784	100
				CUC-DSC-...1BAU-S/DSC22	1418790	1418789	100
				CUC-DSC-...1BAU-S/DSC24	1418788	1418786	100
Turned crimp contacts CK 1,6 Silver-plated							
				CK1,6-ED-0,37... AG	1663394	1663336	100
				CK1,6-ED-0,50... AG	1663404	1663349	100
				CK1,6-ED-0,75... AG	1663417	1663352	100
				CK1,6-ED-1,00... AG	1663420	1663365	100
				CK1,6-ED-1,50... AG	1663433	1663378	100
				CK1,6-ED-2,50... AG	1663446	1663381	100



1 module slot



2 module slots

	a	b	c	d
① Female			34	
① Male				
② Female			15.5	15.5
② Male				
③ Female			15.5	
③ Male				

Accessories



Module carrier frames
From page 594



Crimping tools
From page 670



Dummy modules
From page 594

Heavy-duty connectors

HEAVYCON B – contact inserts

Modular contact inserts

50 V, 10 A

Connection technology:

- Crimp connection CK 1,6
- Crimp connection CK 2,5

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

Order crimp contacts separately

Only operate connectors when there is no load/the power is switched off

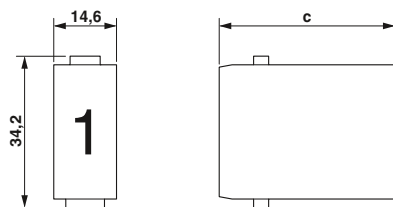
¹⁾ For a housing height of ≥ 72 mm only

new

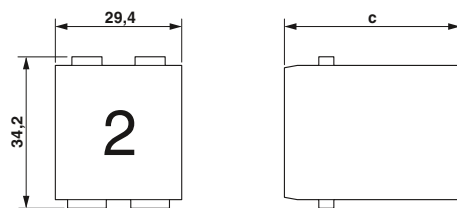


Type	Technical data			
	① HC-M-02-EMC-...	② HC-M-01-COAX-CK1,6-75-...	③ HC-M-01-COAX-CK2,5-50-...	
Approvals	CE ENEC	UL	-	
IEC data				
Rated current, contacts (at 40°C)	[A] 10	10	16	
Overtoltage category	III	III	III	
Degree of pollution	3	3	3	
Rated voltage (III/3) contacts	[V] 50	50	50	
Rated surge voltage, contacts	[kV] 0.8	0.8	0.8	
Connection cross section	[mm²] 0.14 ... 2.5	0.14 ... 2.5	0.5 ... 4	
UL data				
Rated voltage	[V] -	50	-	
Rated current	[A] -	10	-	
Connection cross section	AWG -	-	-	
CSA / cUL data				
Rated voltage	[V] -	-	-	
Rated current	[A] -	-	-	
Connection cross section	AWG -	-	-	
Material data				
Contact carrier material	PC	PC	PC	
Inflammability class in acc. with UL 94	V0	V0	V0	
Contact material	Copper alloy	Copper alloy	Copper alloy	
Contact surface material	Ag (power)/Au (signal)	AU	AU	
Temperature data				
Ambient temperature range	[°C] -40 ... 125	-40 ... 85	-40 ... 85	
General data				
Connection method	Crimp connection	-	-	
Stripping length	[mm] -	8	8	
Number of positions	2	1	1	
Contact numbering	1 - 2	-	-	
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	

				Ordering data			Dimensions (in mm)
Description	Pos.	Number	Slots	Type	Female	Male	
EMC module ¹⁾							
	2	1 - 2	2	① HC-M-02-EMC-...	1417376	1417374	2
Coaxial connectors 75 Ω, crimp connection CK 1,6							
	1			② HC-M-01-COAX-CK1,6-75-...	1066961	1066962	1
Coaxial connectors 50 Ω, crimp connection CK 2,5							
	1			③ HC-M-01-COAX-CK2,5-50-...	1066959	1066960	1
Shield adapters							
				HC-M-ADP-EMC	1420486	1420486	1
Turned crimp contacts CK 1,6 Silver-plated							
				CK1,6-ED-0,37... AG	1663394	1663336	100
				CK1,6-ED-0,50... AG	1663404	1663349	100
				CK1,6-ED-0,75... AG	1663417	1663352	100
				CK1,6-ED-1,00... AG	1663420	1663365	100
				CK1,6-ED-1,50... AG	1663433	1663378	100
				CK1,6-ED-2,50... AG	1663446	1663381	100
Turned crimp contacts CK 2,5 Silver-plated							
				CK2,5-ED-0,50... AG	1663640	1663572	100
				CK2,5-ED-0,75... AG	1663653	1663585	100
				CK2,5-ED-1,00... AG	1663666	1663598	100
				CK2,5-ED-1,50... AG	1663679	1663608	100
				CK2,5-ED-2,50... AG	1663682	1663611	100
				CK2,5-ED-4,00... AG	1663705	1663637	100



1 module slot



2 module slots

	a	b	c	d
① Female			34	
① Male				
② Female			15.5	15.5
② Male				
③ Female			15.5	15.5
③ Male				

Accessories



Module carrier frames
From page 594



Crimping tools
From page 670



Dummy modules
From page 594

Heavy-duty connectors

HEAVYCON B – contact inserts

Modular contact inserts

50 V, 1 ... 5 A

Connection technology:

- Crimp connection VS 1,0
- Screw connection

Guide pins and sockets are mandatory for the HC-M-25-CT... and HC-M-DSUB 09-... modules; see page 657.

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:
For accessories, see from page 654
Order crimp contacts separately
Only operate connectors when there is no load/the power is switched off



Type	Technical data				
	① HC-M-25-CT-...	② HC-M-08-GBIT-CT-...	③ HC-M-DSUB 09-UT-... For 1 cable	④ HC-M-DSUB 09-CT-... For 1 cable	⑤ HC-M-DSUB 09/2-CT-... For 2 cables
Approvals	CE ENEC 94	CE ENEC 94	ENEC	ENEC	ENEC
IEC data					
Rated current, contacts (at 40°C)	[A] 4	5	1	1	5
Overvoltage category	III	III	III	III	III
Degree of pollution	3	3	3	3	3
Rated voltage (III/3) contacts	[V] 50	50	50	50	50
Rated surge voltage, contacts	[kV] 0.8	0.8	0.8	0.8	0.8
Connection cross section	[mm²] 0.08 ... 0.5	0.08 ... 0.5	0.08 ... 0.5	0.08 ... 0.5	0.09 ... 0.82
UL data					
Rated voltage	[V] 50	50	-	-	-
Rated current	[A] 5	5	-	-	-
Connection cross section	AWG 20	22	-	-	-
CSA / cUL data					
Rated voltage	[V] 30	50	-	-	-
Rated current	[A] 4	5	-	-	-
Connection cross section	AWG 20	22	-	-	-
Material data					
Contact carrier material	PC	PC	PC	PC	PC
Inflammability class in acc. with UL 94	V0	V0	V0	V0	V0
Contact material	Copper alloy	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Contact surface material	Au	Au	Ag	Au	Ag
Ambient conditions					
Ambient temperature range	[°C] -40 ... 125	-40 ... 85	-40 ... 125	-40 ... 125	-40 ... 125
General data					
Connection method	Crimp connection	Crimp connection	Screw connection	Crimp connection	Crimp connection
Stripping length	[mm] 4.2	4.2	4.2	4.2	4.2
Number of positions	25	8	9	9	9
Contact numbering	1 - 25	1 - 8	1 - 9	1 - 9	1 - 9
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	≥ 500	≥ 500

Accessories			
			
Module carrier frames From page 594	Crimping tools From page 670	Guide elements From page 657	Dummy modules From page 594

Heavy-duty connectors

HEAVYCON B – contact inserts

Modular contact inserts, coaxial modules

50 V, 1.5 A

Connection technology:

– Coaxial contacts

Guide pins and guide sockets are mandatory for the HC-M-04-KT... series modules, see page 657.

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:
For accessories, see from page 654
Only operate connectors when there is no load/the power is switched off
50 Ω coaxial contacts for cables RG 174/U, RG 188 A/U, RG 316/U
75 Ω coaxial contacts for cables RG 179 B/U, RG 187 A/U



Technical data				
Type	① HC-M-04-KT...			
Approvals	CE ENEC VDE			
IEC data				
Rated current, contacts (at 40°C)	[A]	1.5		
Overvoltage category		III		
Degree of pollution		3		
Rated voltage (III/3) contacts	[V]	50		
Rated surge voltage, contacts	[kV]	0.8		
Connection cross section	[mm²]	0.14 ... 2.5		
UL data				
Rated voltage	[V]	-		
Rated current	[A]	-		
Connection cross section	AWG	-		
CSA / cUL data				
Rated voltage	[V]	-		
Rated current	[A]	-		
Connection cross section	AWG	-		
Material data				
Contact carrier material		PC		
Inflammability class in acc. with UL 94		V0		
Contact material		Copper alloy		
Contact surface material		AU		
Temperature data				
Ambient temperature range	[°C]	-40 ... 125		
General data				
Connection method		Soldering and crimp connection		
Stripping length	[mm]	2.5		
Number of positions		4		
Contact numbering		1 - 4		
Insulation resistance	[GΩ]	≥ 10		
Contact resistance	[mΩ]	-		
Insertion/withdrawal cycles		≥ 500		

	a	b	c	d
① Female			32.6	
Male			31.5	



Dummy modules
From page 594

Heavy-duty connectors

HEAVYCON B – contact inserts

Modular contact inserts, RJ45 modules

Connection technology:
– RJ45 and RJ1

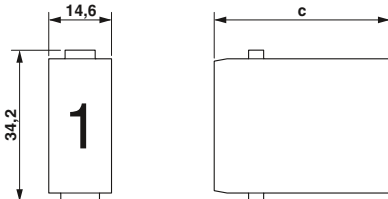
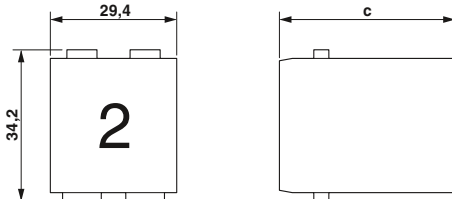
To determine the corresponding
housing, see the system cross-reference
list on page 502.

Notes:
For accessories, see from page 654
Only operate connectors when there is no load/the power is switched off



Type	Technical data			
	① HC-M-RJ45-08-GC-... RJ45, CAT6 _A , 10 Gbps E E E E E E E E	② HC-M-RJ45-08-... RJ45, CAT6 _A , 10 Gbps E E E E E E E E	③ HC-M-RJ45-AD-PC-... for RJ45 patch cable E E E E E E E E	④ HC-M-RJ1-AD-PC-... for RJ industrial inserts E E E E E E E E
Approvals				
IEC data				
Rated current, contacts (at 40°C)	[A] 1	1	1	1
Overvoltage category	III	III	III	III
Degree of pollution	3	3	3	3
Rated voltage (III/3) contacts	[V] 50	50	50	50
Rated surge voltage, contacts	[kV] 0.8	0.8	0.8	0.8
Connection cross section	[mm²] -	-	-	-
UL data				
Rated voltage	[V] -	-	-	-
Rated current	[A] -	-	-	-
Connection cross section	AWG -	-	-	-
CSA / cUL data				
Rated voltage	[V] -	-	-	-
Rated current	[A] -	-	-	-
Connection cross section	AWG -	-	-	-
Material data				
Contact carrier material	PC	PC	PC	PC
Inflammability class in acc. with UL 94	V0	V0	V0	V0
Contact material	Copper alloy	Phosphor bronze	Copper alloy	Copper alloy
Contact surface material	Au	Au	Au	Au
Temperature data				
Ambient temperature range	[°C] -40 ... 70	-25 ... 60	-25 ... 60	-40 ... 70
General data				
Connection method	-	-	-	-
Stripping length	[mm] -	-	-	-
Number of positions	8	8	8	8
Contact numbering	1 - 8	1 - 8	1 - 8	1 - 8
Insulation resistance	[GΩ] -	-	-	-
Contact resistance	[mΩ] -	-	-	-
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	≥ 500

Ordering data							
Description	Pos.	Number	Slots	Type	Order No.		Pcs./ Pkt.
					Female	Male	
RJ45 gender changer 	8	1 - 8	1	RJ45, CAT6 _A , 10 Gbps ① HC-M-RJ45-08-GC-...	1419886		1
RJ45 male insert 	8	1 - 8	1	RJ45, CAT6 _A , 10 Gbps ② HC-M-RJ45-08-...		1419887	1
RJ45 adapter 	8	1 - 8	1	for RJ45 patch cable ③ HC-M-RJ45-AD-PC-...		1419885	1
RJ45 adapter 	8	1 - 8	1	for RJ industrial inserts ④ HC-M-RJ-AD-PC-...		1419888	1
RJ45 patch cable Length: 1 m 							
		CAT6 _A CAT6 CAT5e		NBC-R4AC1/1,0-94G/R4AC1-BU FL CAT6 PATCH 1,0 FL CAT5 PATCH 1,0		1413160 2891385 2832276	1 10 10
RJ45 connector, IP20, CAT5e 		Cross section mm ² / AWG 0.14 - 0.25 / 26 - 24 0.23 - 0.32 / 23 - 22		CUC-INI-C1ZNI-S/R4IE8 CUC-INI-C1ZNI-S/R4IP8		1421608 1421129	1 1

Dimensions (in mm)				
	1 module slot			
	2 module slots			

	a	b	c	d
① Female			36.7	
② Female				
③ Female			41	
④ Female			50.7	
⑤ Female			54.5	

Accessories



Module carrier frames
From page 594



RJ45 patch cables
From page 721



Dummy modules
From page 594

Heavy-duty connectors

HEAVYCON B – contact inserts

Modular contact inserts, pneumatic modules

Connection technology:

- Pneumatic contact with valve
- Pneumatic contact without valve

Guide pins and guide sockets are mandatory for the HC-M-02-PN-M-... and HC-M-03-PN-M-... modules; see page 657.

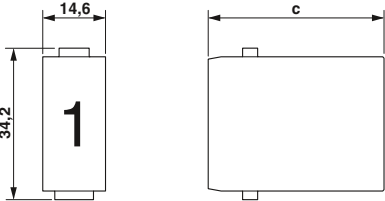
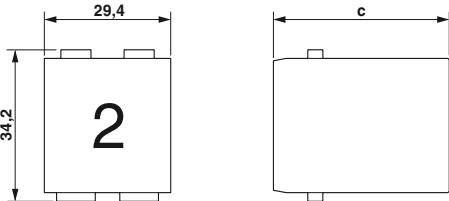
To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654



Type	Technical data					
	① HC-M-02-PN-M-...	② HC-M-PN2-6,00-...-V With valve	③ HC-M-PN2-6,00-... Without valve	④ HC-M-03-PN-M-...	⑤ ⑥ ⑦ HC-M-PN3-1,60-BU-V With valve	⑧ ⑨ ⑩ HC-M-PN3-1,60-... Without valve
Approvals	CE ENEC 94	ENEC	ENEC	CE ENEC 94	ENEC	ENEC
Material data for pneumatic module						
Contact carrier material	PC	-	-	PC	-	-
Inflammability class in acc. with UL 94	V0	-	-	V0	-	-
Module slots	1	-	-	1	-	-
Material data for pneumatic contact						
Contact material	-	Delrin acetal	Delrin acetal	-	Delrin acetal	Delrin acetal
Seal material (contact)	-	Buna-N	Buna-N	-	Buna-N	Buna-N
Valve material (contact)	-	Polypropylene	Polypropylene	-	Polypropylene	Polypropylene
Mechanical data						
Number of positions	2	-	-	3	-	-
Contact numbering	1 - 2	-	-	1 - 3	-	-
Insertion/withdrawal cycles	≥ 500	≥ 500	≥ 500	≥ 500	≥ 500	≥ 500
Internal diameter of pressure hose connection	6 mm	6 mm	6 mm	1.6 mm	1.6 mm	1.6 mm
Operating pressure	-	8.00 bar	8.00 bar	-	8.00 bar	8.00 bar
Ambient conditions						
Ambient temperature range	°C -40 ... 80	-40 ... 80	-40 ... 80	-40 ... 80	-40 ... 80	-40 ... 80

Ordering data																																	
Description	Pos.	Number	Slots	Type	Order No.		Pcs./ Pkt.	Dimensions (in mm)																									
					Female	Male																											
PN2 pneumatic module	2	1 - 2	1	① HC-M-02-PN-M-...	1417434	1417434	5	 1 module slot																									
PN2 pneumatic contact				With valve ② HC-M-PN2-6,00-...-V	1676776		10																										
PN2 pneumatic contact				Without valve ③ HC-M-PN2-6,00-...	1676763	1676750	10	 2 module slots																									
PN3 pneumatic module	3	1 - 3	1	④ HC-M-03-PN-M-...	1417433	1417433	5																										
PN3 pneumatic contact				With valve ⑤ HC-M-PN3-1,60-BU-V	1663543		10	<table><tr><th></th><th>a</th><th>b</th><th>c</th><th>d</th></tr><tr><td>① Female</td><td></td><td></td><td>27.2</td><td></td></tr><tr><td>① Male</td><td></td><td></td><td></td><td></td></tr><tr><td>④ Female</td><td></td><td></td><td>27.2</td><td></td></tr><tr><td>④ Male</td><td></td><td></td><td></td><td></td></tr></table>		a	b	c	d	① Female			27.2		① Male					④ Female			27.2		④ Male				
	a	b	c	d																													
① Female			27.2																														
① Male																																	
④ Female			27.2																														
④ Male																																	
				With valve ⑥ HC-M-PN3-3,00-BU-V	1663556		10																										
				With valve ⑦ HC-M-PN3-4,00-BU-V	1663569		10																										
PN3 pneumatic contact				Without valve ⑧ HC-M-PN3-1,60-...	1663514	1663488	10																										
				Without valve ⑨ HC-M-PN3-3,00-...	1663527	1663491	10																										
				Without valve ⑩ HC-M-PN3-4,00-...	1663530	1663501	10																										

Accessories



Module carrier frames
From page 594



Dummy modules
From page 594

Heavy-duty connectors

HEAVYCON B – contact inserts

Modular contact inserts, module carrier frames

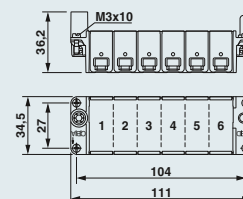
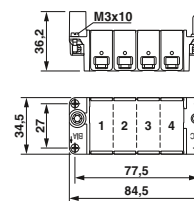
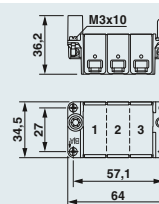
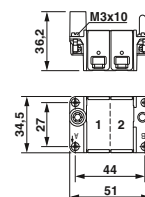
General data		Technical data
Module carrier frame material		Die-cast zinc alloy
Connection cross section		4 mm ² ... 6 mm ² (for PE conductor – power side)
Connection cross section		1 mm ² ... 2.5 mm ² (for PE conductor – control side)
Connection cross section	AWG	12 ... 10 (for PE conductor – power side)
Connection cross section	AWG	18 ... 14 (for PE conductor – control side)
Insertion/withdrawal cycles		≥ 500
Ambient temperature (operation)		-40°C ... 125°C



Ordering data

Description	Size	Type	Order No.	Pcs./Pkt.
Module carrier frame ¹⁾	B6	For sleeve housing (A, B, C, etc.) HC-M-B06-MF-H	1417403	1
	B6	For panel mounting base (a, b, c, etc.) HC-M-B06-MF-B	1417398	1
Module carrier frame ¹⁾	B10	For sleeve housing (A, B, C, etc.) HC-M-B10-MF-H	1417404	1
	B10	For panel mounting base (a, b, c, etc.) HC-M-B10-MF-B	1417399	1
Module carrier frame ¹⁾	B16	For sleeve housing (A, B, C, etc.) HC-M-B16-MF-H	1417405	1
	B16	For panel mounting base (a, b, c, etc.) HC-M-B16-MF-B	1417400	1
Module carrier frame ¹⁾	B24	For sleeve housing (A, B, C, etc.) HC-M-B24-MF-H	1417406	1
	B24	For panel mounting base (a, b, c, etc.) HC-M-B24-MF-B	1417402	1
Dummy module		for unused slots HC-M-00	1414353	5

Dimensions



Notes:

For assembly instructions, see phoenixcontact.net/products

Wire end protection is necessary for conductor cross sections <2.5 mm²

¹⁾ For rigid conductors and flexible wires with wire end protection

Accessories



Coding elements
From page 657



Dummy modules
From page 594

new

EVO M1 single-module housings, sleeve housings, panel mounting bases, contact insert modules

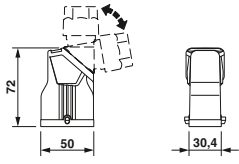
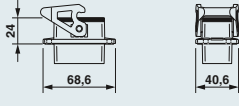
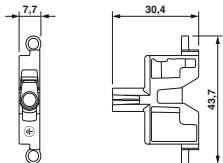
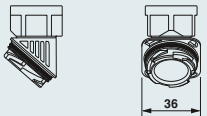
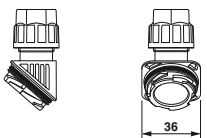
General data

Housing material	PA
Locking latch material	PA
Sealing material	NBR, conductive
IP degree of protection	IP66
Ambient temperature (operation)	-40°C ... 125°C

Technical data



Ordering data

Description	Size	Type	Order No.	Pcs./Pkt.	Dimensions
EVO M1 sleeve housing 	M1	For one modular contact insert HC-EVO-M1-HHFS-PLBK	1424436	1	
EVO M1 panel mounting base 	M1	For one modular contact insert HC-EVO-M1-BWS-PLRBK	1424437	1	
PE contact insert module 		1/2 module, female HC-1/2M-UT-F-6-PE 1/2 module, male HC-1/2M-UT-M-6-PE	1424438 1424439	1 1	
Thread adapter 		HC-D-TA-M25-PLRBK HC-D-TA-PG16-PLR-BK	1411352 1411353	1 1	
Cable gland 	Clamping area 7 mm ... 13 mm 9 mm ... 17 mm	HC-D-G-M20-PLRBK HC-D-G-M25-PLRBK	1411350 1411351	1 1	

Accessories



EVO unlocking tools
From page 659



Cable glands
From page 686



Corrugated pipe adapters
see Catalog 3

Heavy-duty connectors

HEAVYCON B – housings

Size B6, plastic, ADVANCE PL sleeve housings with cable gland

General data

Housing material
Lock material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

PA
Stainless steel
NBR
IP66 / IP67
12
-40°C ... 100°C



Description

Clamping area

Type

Order No.

Pcs./Pkt.

Dimensions

Sleeve housing¹⁾ Height: 93.7 mm

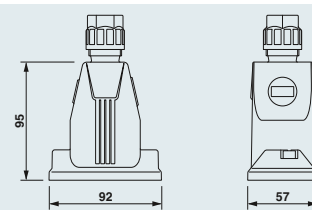


8 mm ... 13 mm
9 mm ... 17 mm

Cable outlet: top
HC-ADV-B06-HHWH-1TGM20-PL
HC-ADV-B06-HHWH-1TGM25-PL

1404222
1404225

1
1



Sleeve housing¹⁾ Height: 93.7 mm

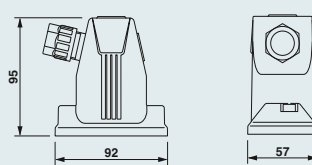


8 mm ... 13 mm
9 mm ... 17 mm

Cable outlet: lateral
HC-ADV-B06-HHWH-1SGM20-PL
HC-ADV-B06-HHWH-1SGM25-PL

1404224
1404226

1
1



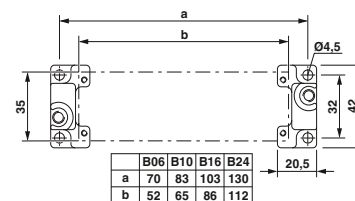
Panel mounting flange



2 pcs. per housing
HC-B-AF
Set with 2 panel mounting flanges
HC-B-AF-SET

1686533
1604638

20
1



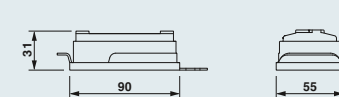
Protective cover Height: 31.2 mm



for sleeve side, IP50
HC-B 6-TMS-SD-IP50
for panel mounting side, IP66
HC-B 6-TMS-SD-IP66

1690736
1411494

10
10



Notes:

Marking label: US-EMP (20X9) Order No. **0829439**

¹⁾ Screw locking with M6 Allen screws

Accessories



Allen keys
see Catalog 3



Replacement seals
phoenixcontact.net/products



Corrugated pipe adapters
see Catalog 3

Size B6, metal, ADVANCE sleeve housings

General data

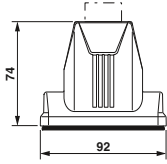
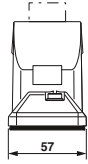
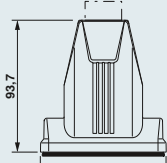
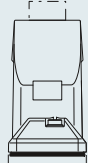
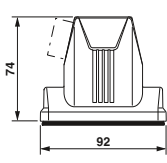
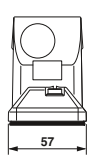
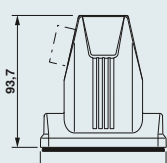
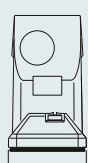
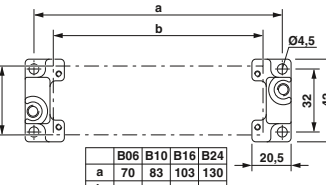
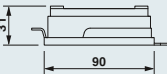
Housing material
Surface material
Lock material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
uncoated / powder coated, black
Stainless steel
NBR, conductive / Viton
IP66 / IP68 / IP69K
4 / 4X / 12
-40°C ... 125°C



Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing, cable outlet: top¹⁾ Height: 74 mm					
	1x M20	Uncoated, EMC ready		1	
	1x M25	HC-ADV-B06-HLWH-1TTM20-EMC-AL	1413362	1	
		HC-ADV-B06-HLWH-1TTM25-EMC-AL	1413364	1	
		Uncoated, EMC ready, without drill hole			
		HC-ADV-B06-HLWH-BLANK-ELC-AL	1420048	1	
		Powder-coated, black			
	1x M20	HC-ADV-B06-HLWH-1TTM20-MF-BK	1420904	1	
	1x M25	HC-ADV-B06-HLWH-1TTM25-MF-BK	1420905	1	
Sleeve housing, cable outlet: top¹⁾ Height: 93.7 mm					
	1x M25	Uncoated, EMC ready		1	
	1x M32	HC-ADV-B06-HHWH-1TTM25-EMC-AL	1413374	1	
		HC-ADV-B06-HHWH-1TTM32-EMC-AL	1413376	1	
		Uncoated, EMC ready, without drill hole			
		HC-ADV-B06-HHWH-BLANK-ELC-AL	1420050	1	
		Powder-coated, black			
	1x M25	HC-ADV-B06-HHWH-1TTM25-MF-BK	1420900	1	
	1x M32	HC-ADV-B06-HHWH-1TTM32-MF-BK	1420901	1	
Sleeve housing, cable outlet: to the side¹⁾ Height: 74 mm					
	1x M20	Uncoated, EMC ready		1	
	1x M25	HC-ADV-B06-HLWH-1STM20-EMC-AL	1413363	1	
		HC-ADV-B06-HLWH-1STM25-EMC-AL	1413365	1	
		Uncoated, EMC ready, without drill hole			
		HC-ADV-B06-HLWH-BLANK-ELC-AL	1420048	1	
		Powder-coated, black			
	1x M20	HC-ADV-B06-HLWH-1STM20-MF-BK	1420902	1	
	1x M25	HC-ADV-B06-HLWH-1STM25-MF-BK	1420903	1	
Sleeve housing, cable outlet: to the side¹⁾ Height: 93.7 mm					
	1x M25	Uncoated, EMC ready		1	
	1x M32	HC-ADV-B06-HHWH-1STM25-EMC-AL	1413375	1	
		HC-ADV-B06-HHWH-1STM32-EMC-AL	1413377	1	
		Uncoated, EMC ready, without drill hole			
		HC-ADV-B06-HHWH-BLANK-ELC-AL	1420050	1	
		Powder-coated, black			
	1x M25	HC-ADV-B06-HHWH-1STM25-MF-BK	1420898	1	
	1x M32	HC-ADV-B06-HHWH-1STM32-MF-BK	1420899	1	
Panel mounting flange					
		2 pcs. per housing		20	
		HC-B-AF	1686533		
		Set with 2 panel mounting flanges			
		HC-B-AF-SET	1604638	1	
Protective cover Height: 31.2 mm					
		for sleeve side, IP50		10	
		HC-B 6-TMS-SD-IP50	1690736		
		for panel mounting side, IP66		10	
		HC-B 6-TMS-SD-IP66	1411494		

Notes:

In order to achieve optimum shielding results, the mounting surface must be conductive

Marking label: US-EMLP-HA (20X9), Order No. **0830989**

¹⁾ Screw locking with M6 Allen screws

Accessories



Cable glands
From page 686



Allen keys
see Catalog 3



Replacement seals
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

**Size B6, plastic,
EVO housings,
single locking latch**

General data

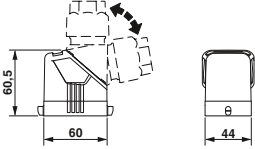
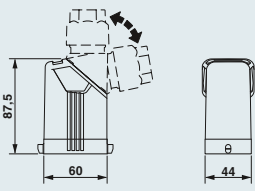
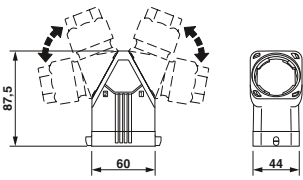
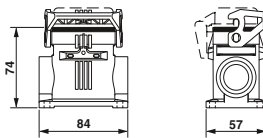
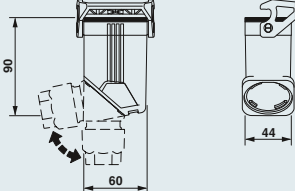
Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

PA
PA
NBR
IP66
12
-40°C ... 125°C



Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 60.5 mm 		HC-EVO-B06-HLFS-PLBK	1407619	1	
Sleeve housing Height: 87.5 mm 		HC-EVO-B06-HHFS-PLBK	1407620	1	
Double sleeve housing Height: 87.5 mm 		for single locking latch HC-EVO-B06-HHFS-2B-PL-BK	1420930	1	
Panel mounting base Height: 30.5 mm 		Without cover HC-EVO-B06-BWS-PLRBK With cover HC-EVO-B06-BWSC-PLRBK	1407621 1407622	1 1	
Box mounting base ¹⁾ Height: 74 mm 	2x M20 2x M25 2x M32 2x M20 2x M25 2x M32	Without cover HC-EVO-B06-SHWS-2SSM20-PLRBK HC-EVO-B06-SHWS-2SSM25-PLRBK HC-EVO-B06-SHWS-2SSM32-PLRBK With cover HC-EVO-B06-SHWSC-2SSM20-PLRBK HC-EVO-B06-SHWSC-2SSM25-PLRBK HC-EVO-B06-SHWSC-2SSM32-PLRBK	1421322 1421229 1407623 1421329 1421244 1407624	1 1 1 1 1 1	
Coupling housing Height: 90 mm 		HC-EVO-B06-CHWS-PLRBK	1407625	1	

Notes:

For further accessories, see from page 658
Marking label: US-EMP (20X9) Order No. [0829439](#)
¹⁾ One cable entry is sealed with a knockout cover

Accessories



Cable glands
From page 658



Thread adapters
From page 659



Replacement seals
phoenixcontact.net/products



Connector sets
From page 646

Size B6, metal, EVO housings, single locking latch



General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 60.5 mm		HC-EVO-B06-HLFS-EL-AL	1411448	1	
Sleeve housing Height: 80 mm		HC-EVO-B06-HHFS-EL-AL	1411447	1	
Panel mounting base Height: 30.5 mm		Without cover HC-STA-B06-BWS-ELC-AL With cover HC-STA-B06-BWSC-ELC-AL	1411318 1411319	1 1	
Box mounting base¹⁾ Height: 54.6 mm	2x M20 2x M25 2x Pg16	Without cover HC-STA-B06-SLWS-2SSM20-ELC-AL HC-STA-B06-SLWS-2SSM25-ELC-AL HC-STA-B06-SLWS-2SSP16-ELC-AL With cover HC-STA-B06-SLWSC-2SSM20-ELC-AL HC-STA-B06-SLWSC-2SSM25-ELC-AL HC-STA-B06-SLWSC-2SSP16-ELC-AL	1412821 1412822 1412823 1412825 1412826 1412827	1 1 1 1 1 1	
Box mounting base¹⁾ Height: 74.8 mm	2x M25 2x M32 2x M40 2x M25 2x M32 2x M40	Without cover HC-STA-B06-SHWS-2SSM25-ELC-AL HC-STA-B06-SHWS-2SSM32-ELC-AL HC-STA-B06-SHWS-2SSM40-ELC-AL With cover HC-STA-B06-SHWSC-2SSM25-ELC-AL HC-STA-B06-SHWSC-2SSM32-ELC-AL HC-STA-B06-SHWSC-2SSM40-ELC-AL	1082556 1082559 1082566 1082575 1082576 1082577	1 1 1 1 1 1	
Coupling housing Height: 73 mm	1x M20 1x M25 1x M32 1x Pg13.5 1x Pg21 1x Pg29	HC-STA-B06-CHWS-1TTM20-ELC-AL HC-STA-B06-CHWS-1TTM25-ELC-AL HC-STA-B06-CHWS-1TTM32-ELC-AL HC-STA-B06-CHWS-1TTP13-ELC-AL HC-STA-B06-CHWS-1TTP21-ELC-AL HC-STA-B06-CHWS-1TTP29-ELC-AL	1412555 1412556 1412557 1412558 1412559 1412560	1 1 1 1 1 1	

Notes:

For further accessories, see page 658

Marking label: US-EMLP-HA (20X9), Order No. 0830989

¹⁾ Supplied with a plastic sealing cap

Accessories



Cable glands
From page 660



Cable glands
From page 686



Replacement seals
phoenixcontact.net/products



Connector sets
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

Size B6, metal, sleeve housings for single locking latch



General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
-
-
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description Thread

Sleeve housing
Height: 52 mm



1x M20
1x M25
1x Pg13.5
1x Pg16

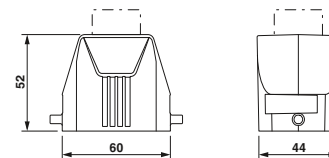
Type Order No. Pcs./Pkt.

Cable outlet: top
HC-STA-B06-HLFS-1TTM20-EL-AL
HC-STA-B06-HLFS-1TTM25-EL-AL
HC-STA-B06-HLFS-1TTP13-EL-AL
HC-STA-B06-HLFS-1TTP16-EL-AL
without bore hole
HC-STA-B06-HLFS-BLANK-EL-AL

1412574
1412575
1412576
1412577
1419900

1
1
1
1
1

Dimensions



Sleeve housing
Height: 72 mm

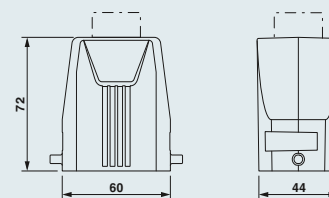


1x M25
1x M32
1x Pg21
1x Pg29

Cable outlet: top
HC-STA-B06-HHFS-1TTM25-EL-AL
HC-STA-B06-HHFS-1TTM32-EL-AL
HC-STA-B06-HHFS-1TTP21-EL-AL
HC-STA-B06-HHFS-1TTP29-EL-AL
without bore hole
HC-STA-B06-HHFS-BLANK-EL-AL

1412566
1412567
1412568
1412569
1419901

1
1
1
1
1



Sleeve housing
Height: 52 mm

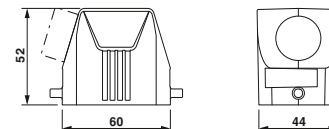


1x M20
1x M25
1x Pg13.5
1x Pg16

Cable outlet: lateral
HC-STA-B06-HLFS-1STM20-EL-AL
HC-STA-B06-HLFS-1STM25-EL-AL
HC-STA-B06-HLFS-1STP13-EL-AL
HC-STA-B06-HLFS-1STP16-EL-AL
without bore hole
HC-STA-B06-HLFS-BLANK-EL-AL

1412570
1412571
1412572
1412573
1419900

1
1
1
1
1



Sleeve housing
Height: 72 mm

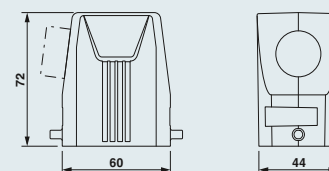


1x M25
1x M32
1x Pg21
1x Pg29

Cable outlet: lateral
HC-STA-B06-HHFS-1STM25-EL-AL
HC-STA-B06-HHFS-1STM32-EL-AL
HC-STA-B06-HHFS-1STP21-EL-AL
HC-STA-B06-HHFS-1STP29-EL-AL
without bore hole
HC-STA-B06-HHFS-BLANK-EL-AL

1412562
1412563
1412564
1412565
1419901

1
1
1
1
1



Notes:

For further accessories, see from page 658
Marking label: US-EMLP-HA (20X9), Order No. 0830989

Accessories



Cable glands
From page 686



Protective covers
From page 654



Cover plates
From page 664



Connector sets
From page 647

Size B6, metal, supporting base elements with single locking latch



General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Panel mounting base Height: 30.5 mm		Without cover HC-STA-B06-BWS-ELC-AL With cover HC-STA-B06-BWSC-ELC-AL	1411318 1411319	1 1	
Box mounting base¹⁾ Height: 54.6 mm	2x M20 2x M25 2x Pg16	Without cover HC-STA-B06-SLWS-2SSM20-ELC-AL HC-STA-B06-SLWS-2SSM25-ELC-AL HC-STA-B06-SLWS-2SSP16-ELC-AL With cover HC-STA-B06-SLWSC-2SSM20-ELC-AL HC-STA-B06-SLWSC-2SSM25-ELC-AL HC-STA-B06-SLWSC-2SSP16-ELC-AL	1412821 1412822 1412823 1412825 1412826 1412827	1 1 1 1 1 1	
Box mounting base¹⁾ Height: 74.8 mm	2x M25 2x M32 2x M40 2x M25 2x M32 2x M40	Without cover HC-STA-B06-SHWS-2SSM25-ELC-AL HC-STA-B06-SHWS-2SSM32-ELC-AL HC-STA-B06-SHWS-2SSM40-ELC-AL With cover HC-STA-B06-SHWSC-2SSM25-ELC-AL HC-STA-B06-SHWSC-2SSM32-ELC-AL HC-STA-B06-SHWSC-2SSM40-ELC-AL	1082556 1082559 1082566 1082575 1082576 1082577	1 1 1 1 1 1	
Coupling housing Height: 73 mm	1x M20 1x M25 1x M32 1x Pg13.5 1x Pg21 1x Pg29	Cable outlet: top HC-STA-B06-CHWS-1TTM20-ELC-AL HC-STA-B06-CHWS-1TTM25-ELC-AL HC-STA-B06-CHWS-1TTM32-ELC-AL HC-STA-B06-CHWS-1TTP13-ELC-AL HC-STA-B06-CHWS-1TTP21-ELC-AL HC-STA-B06-CHWS-1TTP29-ELC-AL	1412555 1412556 1412557 1412558 1412559 1412560	1 1 1 1 1 1	

Notes:

For further accessories, see from page 658

¹⁾ Supplied with a plastic sealing cap

Accessories



Cable glands
From page 686



Replacement seals
phoenixcontact.net/products



Replacement protective covers
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

Size B10, plastic, ADVANCE PL sleeve housings with cable gland

General data

Housing material
Lock material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

PA
Stainless steel
NBR
IP66 / IP67
12
-40°C ... 100°C



Description

Clamping area

Type

Order No.

Pcs./Pkt.

Dimensions

Sleeve housing¹⁾ Height: 95 mm

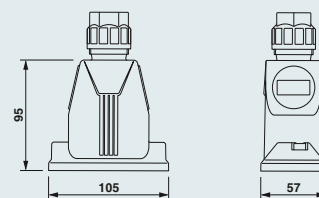


9 mm ... 17 mm
11 mm ... 21 mm

Cable outlet: top
HC-ADV-B10-HHWH-1TGM25-PL
HC-ADV-B10-HHWH-1TGM32-PL

1404227
1404229

1
1



Sleeve housing¹⁾ Height: 95 mm

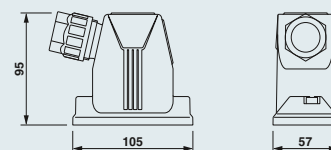


9 mm ... 17 mm
11 mm ... 21 mm

Cable outlet: lateral
HC-ADV-B10-HHWH-1SGM25-PL
HC-ADV-B10-HHWH-1SGM32-PL

1404228
1404230

1
1



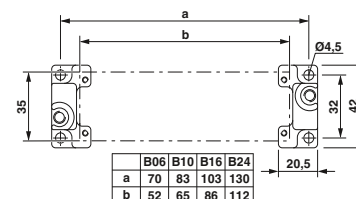
Panel mounting flange



2 pcs. per housing
HC-B-AF
Set with 2 panel mounting flanges
HC-B-AF-SET

1686533
1604638

20
1



Protective cover Height: 31.2 mm



for sleeve side, IP50
HC-B 10-TMS-SD-IP50
for panel mounting side, IP66
HC-B 10-TMS-SD-IP66

1690749
1411504

10
10



Notes:

Marking label: US-EMP (20X9) Order No. **0829439**

¹⁾ Screw locking with M6 Allen screws

Accessories



Allen keys
see Catalog 3



Replacement seals
phoenixcontact.net/products



Corrugated pipe adapters
see Catalog 3

Size B10, metal, ADVANCE sleeve housings



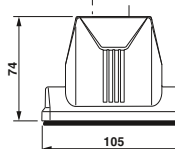
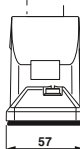
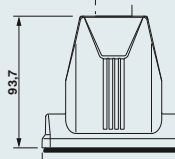
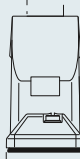
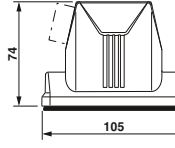
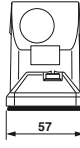
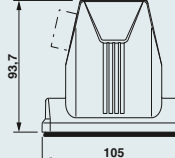
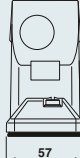
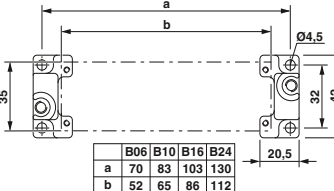
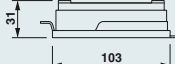
General data

Housing material
Surface material
Lock material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
uncoated / powder coated, black
Stainless steel
NBR, conductive / Viton
IP66 / IP68 / IP69K
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing, cable outlet: top¹⁾ Height: 74 mm					
	1x M20	Uncoated, EMC ready		1	
	1x M25	HC-ADV-B10-HLWH-1TTM20-EMC-AL	1413388	1	
		HC-ADV-B10-HLWH-1TTM25-EMC-AL	1413390	1	
		Uncoated, EMC ready, without drill hole			
		HC-ADV-B10-HLWH-BLANK-ELC-AL	1420051	1	
		Powder-coated, black			
	1x M20	HC-ADV-B10-HLWH-1TTM20-MF-BK	1420912	1	
	1x M25	HC-ADV-B10-HLWH-1TTM25-MF-BK	1420913	1	
Sleeve housing, cable outlet: top¹⁾ Height: 93.7 mm					
	1x M25	Uncoated, EMC ready		1	
	1x M32	HC-ADV-B10-HHWH-1TTM25-EMC-AL	1413400	1	
		HC-ADV-B10-HHWH-1TTM32-EMC-AL	1413402	1	
		Uncoated, EMC ready, without drill hole			
		HC-ADV-B10-HHWH-BLANK-ELC-AL	1420052	1	
		Powder-coated, black			
	1x M25	HC-ADV-B10-HHWH-1TTM25-MF-BK	1420908	1	
	1x M32	HC-ADV-B10-HHWH-1TTM32-MF-BK	1420909	1	
Sleeve housing, cable outlet: to the side¹⁾ Height: 74 mm					
	1x M20	Uncoated, EMC ready		1	
	1x M25	HC-ADV-B10-HLWH-1STM20-EMC-AL	1413389	1	
		HC-ADV-B10-HLWH-1STM25-EMC-AL	1413391	1	
		Uncoated, EMC ready, without drill hole			
		HC-ADV-B10-HLWH-BLANK-ELC-AL	1420051	1	
		Powder-coated, black			
	1x M20	HC-ADV-B10-HLWH-1STM20-MF-BK	1420910	1	
	1x M25	HC-ADV-B10-HLWH-1STM25-MF-BK	1420911	1	
Sleeve housing, cable outlet: to the side¹⁾ Height: 93.7 mm					
	1x M25	Uncoated, EMC ready		1	
	1x M32	HC-ADV-B10-HHWH-1STM25-EMC-AL	1413401	1	
		HC-ADV-B10-HHWH-1STM32-EMC-AL	1413403	1	
		Uncoated, EMC ready, without drill hole			
		HC-ADV-B10-HHWH-BLANK-ELC-AL	1420052	1	
		Powder-coated, black			
	1x M25	HC-ADV-B10-HHWH-1STM25-MF-BK	1420906	1	
	1x M32	HC-ADV-B10-HHWH-1STM32-MF-BK	1420907	1	
Panel mounting flange					
		2 pcs. per housing		20	
		HC-B-AF	1686533		
		Set with 2 panel mounting flanges			
		HC-B-AF-SET	1604638	1	
Protective cover Height: 31.2 mm					
		for sleeve side, IP50		10	
		HC-B 10-TMS-SD-IP50	1690749		
		for panel mounting side, IP66		10	
		HC-B 10-TMS-SD-IP66	1411504		

Notes:

In order to achieve optimum shielding results, the mounting surface must be conductive

Marking label: US-EMLP-HA (20X9), Order No. 0830989

¹⁾ Screw locking with M6 Allen screws

Accessories



Screw connections
From page 686



Allen keys
see Catalog 3



Replacement seals
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

**Size B10, plastic,
EVO housings,
single locking latch**

General data

Housing material	PA
Locking latch material	PA
Sealing material	NBR
IP degree of protection (when plugged in)	IP66
NEMA degree of protection (when plugged in)	12
Ambient temperature (operation)	-40°C ... 125°C

Technical data



Description

Thread

Type

Order No.

Pcs./Pkt.

Dimensions

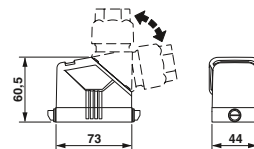
Sleeve housing
Height: 60.5 mm



HC-EVO-B10-HLFS-PLBK

1407626

1



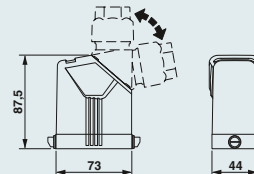
Sleeve housing
Height: 87.5 mm



HC-EVO-B10-HHFS-PLBK

1407627

1



Panel mounting base
Height: 30.5 mm



Without cover
HC-EVO-B10-BWS-PLRBK

1407632

1

With cover
HC-EVO-B10-BWSC-PLRBK

1407633

1



Box mounting base¹⁾
Height: 74 mm



2x M20
2x M25
2x M32

Without cover

HC-EVO-B10-SHWS-2SSM20-PLRBK

1421354

1

HC-EVO-B10-SHWS-2SSM25-PLRBK

1421277

1

HC-EVO-B10-SHWS-2SSM32-PLRBK

1407636

1

With cover

HC-EVO-B10-SHWSC-2SSM20-PLRBK

1421355

1

HC-EVO-B10-SHWSC-2SSM25-PLRBK

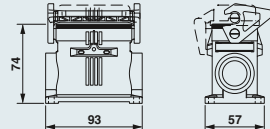
1421301

1

HC-EVO-B10-SHWSC-2SSM32-PLRBK

1407637

1



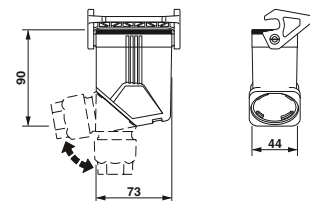
Coupling housing
Height: 90 mm



HC-EVO-B10-CHWS-PLRBK

1407640

1



Cable gland

Clamping area

7 mm ... 13 mm
9 mm ... 17 mm
11 mm ... 21 mm
19 mm ... 28 mm



HC-B-G-M20-PLRBK

1407669

1

HC-B-G-M25-PLRBK

1407670

1

HC-B-G-M32-PLRBK

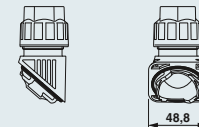
1407671

1

HC-B-G-M40-PLRBK

1407672

1



Notes:

For further accessories, see from page 658

Marking label: US-EMP (20X9) Order No. [0829439](#)

¹⁾ One cable entry is sealed with a knockout cover

Accessories



EVO unlocking tools
From page 659



Thread adapters
From page 659



Replacement seals
phoenixcontact.net/products



Connector sets
From page 646

Size B10, metal, EVO housings, single locking latch



General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 64 mm		HC-EVO-B10-HLFS-EL-AL	1411456	1	
Sleeve housing Height: 80 mm		HC-EVO-B10-HHFS-EL-AL	1411453	1	
Panel mounting base Height: 30.5 mm		Without cover HC-STA-B10-BWS-ELC-AL With cover HC-STA-B10-BWSC-ELC-AL	1411320 1411321	1 1	
Box mounting base¹⁾ Height: 54.6 mm	2x M20 2x M25 2x Pg16	Without cover HC-STA-B10-SLWS-2SSM20-ELC-AL HC-STA-B10-SLWS-2SSM25-ELC-AL HC-STA-B10-SLWS-2SSP16-ELC-AL With cover HC-STA-B10-SLWSC-2SSM20-ELC-AL HC-STA-B10-SLWSC-2SSM25-ELC-AL HC-STA-B10-SLWSC-2SSP16-ELC-AL	1412839 1412840 1412842 1412844 1412845 1412846	1 1 1 1 1 1	
Box mounting base¹⁾ Height: 74.5 mm	2x M25 2x M32 2x M40 2x M25 2x M32 2x M40	Without cover HC-STA-B10-SHWS-2SSM25-ELC-AL HC-STA-B10-SHWS-2SSM32-ELC-AL HC-STA-B10-SHWS-2SSM40-ELC-AL With cover HC-STA-B10-SHWSC-2SSM25-ELC-AL HC-STA-B10-SHWSC-2SSM32-ELC-AL HC-STA-B10-SHWSC-2SSM40-ELC-AL	1082578 1082579 1082580 1082582 1082583 1082585	1 1 1 1 1 1	
Cable gland	Clamping area 9 mm ... 13 mm 11 mm ... 16 mm 14 mm ... 21 mm 19 mm ... 27 mm	HC-B-G-M20-EC-AL HC-B-G-M25-EC-AL HC-B-G-M32-EC-AL HC-B-G-M40-EC-AL	1411439 1411446 1411440 1411441	1 1 1 1	

Notes:

For further accessories, see page 658

Marking label: US-EMLP-HA (20X9), Order No. 0830989

¹⁾ Supplied with a plastic sealing cap

Accessories



Thread adapters
From page 660



EMC cable glands
From page 660



Replacement seals
phoenixcontact.net/products



Connector sets
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

Size B10, metal, sleeve housings for single locking latch



General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
-
-
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 57 mm	1x M20 1x M25 1x Pg16 1x Pg21	Cable outlet: top HC-STA-B10-HLFS-1TTM20-EL-AL HC-STA-B10-HLFS-1TTM25-EL-AL HC-STA-B10-HLFS-1TTP16-EL-AL HC-STA-B10-HLFS-1TTP21-EL-AL without bore hole HC-STA-B10-HLFS-BLANK-EL-AL	1412629 1412630 1412631 1412632 1419902	1 1 1 1 1	
Sleeve housing Height: 72 mm	1x M25 1x M32 1x Pg21 1x Pg29	Cable outlet: top HC-STA-B10-HHFS-1TTM25-EL-AL HC-STA-B10-HHFS-1TTM32-EL-AL HC-STA-B10-HHFS-1TTP21-EL-AL HC-STA-B10-HHFS-1TTP29-EL-AL without bore hole HC-STA-B10-HHFS-BLANK-EL-AL	1412604 1412605 1412606 1412607 1419903	1 1 1 1 1	
Sleeve housing Height: 57 mm	1x M20 1x M25 1x Pg16 1x Pg21	Cable outlet: lateral HC-STA-B10-HLFS-1STM20-EL-AL HC-STA-B10-HLFS-1STM25-EL-AL HC-STA-B10-HLFS-1STP16-EL-AL HC-STA-B10-HLFS-1STP21-EL-AL without bore hole HC-STA-B10-HLFS-BLANK-EL-AL	1412624 1412625 1412627 1412628 1419902	1 1 1 1 1	
Sleeve housing Height: 72 mm	1x M25 1x M32 1x Pg21 1x Pg29	Cable outlet: lateral HC-STA-B10-HHFS-1STM25-EL-AL HC-STA-B10-HHFS-1STM32-EL-AL HC-STA-B10-HHFS-1STP21-EL-AL HC-STA-B10-HHFS-1STP29-EL-AL without bore hole HC-STA-B10-HHFS-BLANK-EL-AL	1412600 1412601 1412602 1412603 1419903	1 1 1 1 1	

Notes:

For further accessories, see from page 658
Marking label: US-EMLP-HA (20X9), Order No. 0830989

Accessories



Cable glands
From page 686



Protective covers
From page 654



Cover plates
From page 664



Connector sets
From page 647

Size B10, metal, supporting base elements with single locking latch



General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Panel mounting base Height: 30.5 mm		Without cover HC-STA-B10-BWS-ELC-AL With cover HC-STA-B10-BWSC-ELC-AL	1411320 1411321	1 1	
Box mounting base¹⁾ Height: 54.6 mm	2x M20 2x M25 2x Pg16	Without cover HC-STA-B10-SLWS-2SSM20-ELC-AL HC-STA-B10-SLWS-2SSM25-ELC-AL HC-STA-B10-SLWS-2SSP16-ELC-AL With cover HC-STA-B10-SLWSC-2SSM20-ELC-AL HC-STA-B10-SLWSC-2SSM25-ELC-AL HC-STA-B10-SLWSC-2SSP16-ELC-AL	1412839 1412840 1412842 1412844 1412845 1412846	1 1 1 1 1 1	
Box mounting base¹⁾ Height: 74.5 mm	2x M25 2x M32 2x M40 2x M25 2x M32 2x M40	Without cover HC-STA-B10-SHWS-2SSM25-ELC-AL HC-STA-B10-SHWS-2SSM32-ELC-AL HC-STA-B10-SHWS-2SSM40-ELC-AL With cover HC-STA-B10-SHWSC-2SSM25-ELC-AL HC-STA-B10-SHWSC-2SSM32-ELC-AL HC-STA-B10-SHWSC-2SSM40-ELC-AL	1082578 1082579 1082580 1082582 1082583 1082585	1 1 1 1 1 1	
Coupling housing Height: 73 mm	1x M20 1x M25 1x M32 1x Pg16 1x Pg21 1x Pg29	Cable outlet: top HC-STA-B10-CHWS-1TTM20-ELC-AL HC-STA-B10-CHWS-1TTM25-ELC-AL HC-STA-B10-CHWS-1TTM32-ELC-AL HC-STA-B10-CHWS-1TTP16-ELC-AL HC-STA-B10-CHWS-1TTP21-ELC-AL HC-STA-B10-CHWS-1TTP29-ELC-AL	1412584 1412585 1412586 1412587 1412588 1412589	1 1 1 1 1 1	

Notes:

For further accessories, see from page 658

¹⁾ Supplied with a plastic sealing cap

Accessories



Cable glands
From page 686



Replacement seals
phoenixcontact.net/products



Replacement protective covers
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

**Size B10, plastic,
EVO housings,
double locking latch**

General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

PA
PA
NBR
IP66
12
-40°C ... 125°C

Ordering data

Description Thread

Sleeve housing
Height: 60.5 mm



Sleeve housing
Height: 87.5 mm



Double sleeve housing
Height: 87.5 mm



Panel mounting base
Height: 30.5 mm



Box mounting base¹⁾
Height: 74 mm



2x M20
2x M25
2x M32

Coupling housing
Height: 90 mm



Type Order No. Pcs./Pkt.

HC-EVO-B10-HLFD-PLBK

1407628

1

HC-EVO-B10-HHFD-PLBK

1407629

1

for double locking latch
HC-EVO-B10-HHFD-2B-PL-BK

1411495

1

Without cover
HC-EVO-B10-BWD-PLRBK

1407634

1

Without cover
HC-EVO-B10-SHWD-2SSM20-PLRBK
HC-EVO-B10-SHWD-2SSM25-PLRBK
HC-EVO-B10-SHWD-2SSM32-PLRBK

1421356

1421304

1407638

1

1

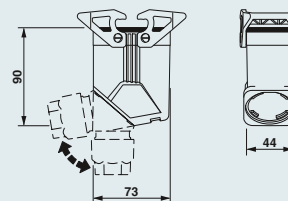
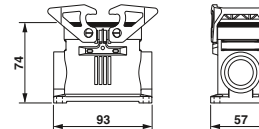
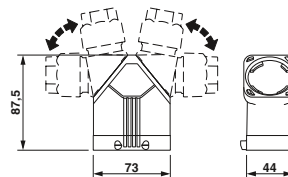
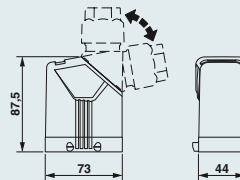
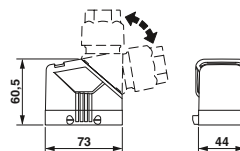
1

HC-EVO-B10-CHWD-PLRBK

1407641

1

Dimensions



Notes:

For further accessories, see from page 658

Marking label: US-EMP (20X9) Order No. [0829439](#)

For coupling housings, visit phoenixcontact.net/products

¹⁾ One cable entry is sealed with a knockout cover

Accessories



Cable glands
From page 658



Thread adapters
From page 659



Replacement seals
phoenixcontact.net/products



Connector sets
From page 646

**Size B10, metal,
EVO housings,
double locking latch**


General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 64 mm		HC-EVO-B10-HLFD-EL-AL	1411455	1	
Sleeve housing Height: 80 mm		HC-EVO-B10-HHFD-EL-AL	1411451	1	
Panel mounting base Height: 30.5 mm		Without cover HC-STA-B10-BWD-ELC-AL	1411322	1	
Box mounting base¹⁾ Height: 54 mm	2x M20 2x M25 2x Pg16	Without cover HC-STA-B10-SLWD-2SSM20-ELC-AL HC-STA-B10-SLWD-2SSM25-ELC-AL HC-STA-B10-SLWD-2SSP16-ELC-AL	1412835 1412836 1412837	1 1 1	
Box mounting base¹⁾ Height: 74.5 mm	2x M25 2x M32 2x M40	Without cover HC-STA-B10-SHWD-2SSM25-ELC-AL HC-STA-B10-SHWD-2SSM32-ELC-AL HC-STA-B10-SHWD-2SSM40-ELC-AL	1082598 1082599 1083164	1 1 1	
Coupling housing Height: 73 mm	1x M20 1x M25 1x M32 1x Pg16 1x Pg21 1x Pg29	Cable outlet: top HC-STA-B10-CHWD-1TTM20-ELC-AL HC-STA-B10-CHWD-1TTM25-ELC-AL HC-STA-B10-CHWD-1TTM32-ELC-AL HC-STA-B10-CHWD-1TTP16-ELC-AL HC-STA-B10-CHWD-1TTP21-ELC-AL HC-STA-B10-CHWD-1TTP29-ELC-AL	1412578 1412579 1412580 1412581 1412582 1412583	1 1 1 1 1 1	

Notes:

For further accessories, see page 658

Marking label: US-EMLP-HA (20X9), Order No. 0830989

¹⁾ Supplied with a plastic sealing cap

Accessories



Cable glands
From page 660



Cable glands
From page 686



Replacement seals
phoenixcontact.net/products



Connector sets
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

Size B10, metal, sleeve housings for double locking latch



General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
-
-
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 57 mm	1x M20 1x M25 1x Pg16 1x Pg21	Cable outlet: top HC-STA-B10-HLFD-1TTM20-EL-AL HC-STA-B10-HLFD-1TTM25-EL-AL HC-STA-B10-HLFD-1TTP16-EL-AL HC-STA-B10-HLFD-1TTP21-EL-AL without bore hole HC-STA-B10-HLFD-BLANK-EL-AL	1412620 1412621 1412622 1412623 1419972	1 1 1 1 1	
Sleeve housing Height: 72 mm	1x M25 1x M32 1x Pg21 1x Pg29	Cable outlet: top HC-STA-B10-HHFD-1TTM25-EL-AL HC-STA-B10-HHFD-1TTM32-EL-AL HC-STA-B10-HHFD-1TTP21-EL-AL HC-STA-B10-HHFD-1TTP29-EL-AL without bore hole HC-STA-B10-HHFD-BLANK-EL-AL	1412596 1412597 1412598 1412599 1419979	1 1 1 1 1	
Sleeve housing Height: 57 mm	1x M20 1x M25 1x Pg16 1x Pg21	Cable outlet: lateral HC-STA-B10-HLFD-1STM20-EL-AL HC-STA-B10-HLFD-1STM25-EL-AL HC-STA-B10-HLFD-1STP16-EL-AL HC-STA-B10-HLFD-1STP21-EL-AL without bore hole HC-STA-B10-HLFD-BLANK-EL-AL	1412616 1412617 1412618 1412619 1419972	1 1 1 1 1	
Sleeve housing Height: 72 mm	1x M25 1x M32 1x Pg21 1x Pg29	Cable outlet: lateral HC-STA-B10-HHFD-1STM25-EL-AL HC-STA-B10-HHFD-1STM32-EL-AL HC-STA-B10-HHFD-1STP21-EL-AL HC-STA-B10-HHFD-1STP29-EL-AL without bore hole HC-STA-B10-HHFD-BLANK-EL-AL	1412592 1412593 1412594 1412595 1419979	1 1 1 1 1	

Notes:

For further accessories, see from page 658

Marking label: US-EMLP-HA (20X9), Order No. 0830989

Accessories



Cable glands
From page 686



Protective covers
From page 654



Cover plates
From page 664



Connector sets
From page 647

Size B10, metal, supporting base elements with double locking latch



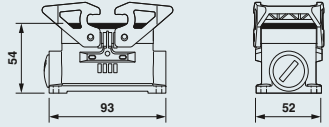
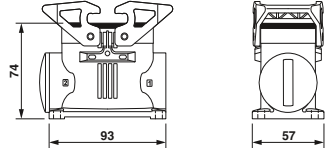
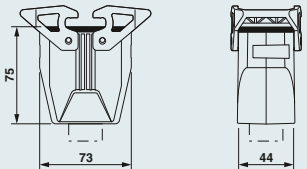
General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Panel mounting base Height: 30.5 mm 		Without cover HC-STA-B10-BWD-ELC-AL	1411322	1	
Box mounting base¹⁾ Height: 54 mm 	2x M20 2x M25 2x Pg16	Without cover HC-STA-B10-SLWD-2SSM20-ELC-AL HC-STA-B10-SLWD-2SSM25-ELC-AL HC-STA-B10-SLWD-2SSP16-ELC-AL	1412835 1412836 1412837	1 1 1	
Box mounting base¹⁾ Height: 74.5 mm 	2x M25 2x M32 2x M40	Without cover HC-STA-B10-SHWD-2SSM25-ELC-AL HC-STA-B10-SHWD-2SSM32-ELC-AL HC-STA-B10-SHWD-2SSM40-ELC-AL	1082598 1082599 1083164	1 1 1	
Coupling housing Height: 73 mm 	1x M20 1x M25 1x M32 1x Pg16 1x Pg21 1x Pg29	Cable outlet: top HC-STA-B10-CHWD-1TTM20-ELC-AL HC-STA-B10-CHWD-1TTM25-ELC-AL HC-STA-B10-CHWD-1TTM32-ELC-AL HC-STA-B10-CHWD-1TTP16-ELC-AL HC-STA-B10-CHWD-1TTP21-ELC-AL HC-STA-B10-CHWD-1TTP29-ELC-AL	1412578 1412579 1412580 1412581 1412582 1412583	1 1 1 1 1 1	

Notes:

For further accessories, see from page 658

¹⁾ Supplied with a plastic sealing cap

Accessories



Cable glands
From page 686



Replacement seals
phoenixcontact.net/products



Replacement protective covers
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

**Size B10, plastic,
EVO housings,
double locking latch**

General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

PA
PA
NBR
IP66
12
-40°C ... 125°C

Ordering data

Description

Thread

Type

Order No.

Pcs./Pkt.

Dimensions

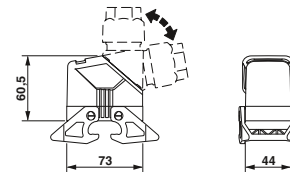
Sleeve housing
Height: 60.5 mm



HC-EVO-B10-HLWD-PLBK

1407630

1



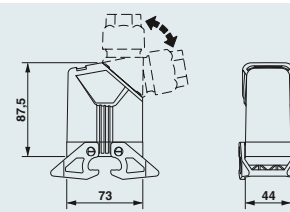
Sleeve housing
Height: 87.5 mm



HC-EVO-B10-HHWD-PLBK

1407631

1



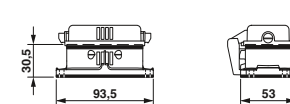
Panel mounting base
Height: 30.5 mm



With cover
HC-EVO-B10-BFDC-PLRBK

1407635

1



Box mounting base¹⁾
Height: 74 mm



2x M20
2x M25
2x M32

With cover
HC-EVO-B10-SHFDC-2SSM20-PLRBK
HC-EVO-B10-SHFDC-2SSM25-PLRBK
HC-EVO-B10-SHFDC-2SSM32-PLRBK

1421362

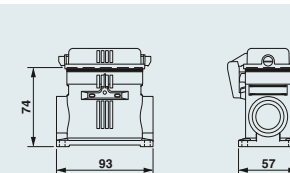
1421320

1407639

1

1

1



Cable gland

Clamping area

7 mm ... 13 mm
9 mm ... 17 mm
11 mm ... 21 mm
19 mm ... 28 mm



HC-B-G-M20-PLRBK
HC-B-G-M25-PLRBK
HC-B-G-M32-PLRBK
HC-B-G-M40-PLRBK

1407669

1407670

1407671

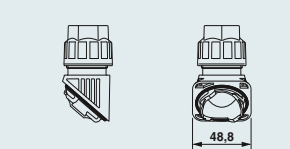
1407672

1

1

1

1



Notes:

For further accessories, see from page 658

Marking label: US-EMP (20X9) Order No. 0829439

¹⁾ One cable entry is sealed with a knockout cover

Accessories



EVO unlocking tools
From page 659



Thread adapters
From page 659



Replacement seals
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

Size B10, metal, EVO housings, double locking latch



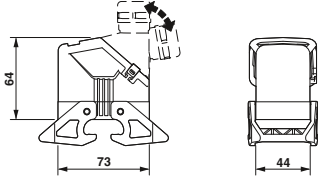
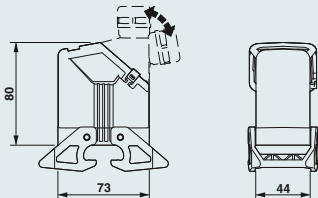
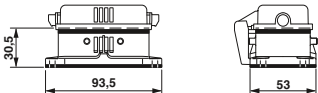
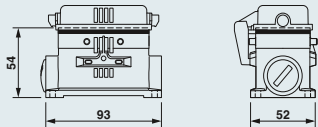
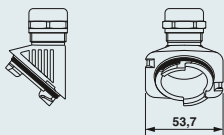
General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 64 mm 		HC-EVO-B10-HLWD-EL-AL	1411457	1	
Sleeve housing Height: 80 mm 		HC-EVO-B10-HHWD-EL-AL	1411454	1	
Panel mounting base Height: 30.5 mm 		With cover HC-STA-B10-BFDC-ELC-AL	1411323	1	
Box mounting base¹⁾ Height: 54 mm 	2x M20 2x M25 2x Pg16	With cover HC-STA-B10-SLFDC-2SSM20-ELC-AL HC-STA-B10-SLFDC-2SSM25-ELC-AL HC-STA-B10-SLFDC-2SSP16-ELC-AL	1412830 1412831 1412832	1 1 1	
Cable gland 	Clamping area 9 mm ... 13 mm 11 mm ... 16 mm 14 mm ... 21 mm 19 mm ... 27 mm	HC-B-G-M20-EC-AL HC-B-G-M25-EC-AL HC-B-G-M32-EC-AL HC-B-G-M40-EC-AL	1411439 1411446 1411440 1411441	1 1 1 1	

Notes:

For further accessories, see page 658

Marking label: US-EMLP-HA (20X9), Order No. 0830989

¹⁾ Supplied with a plastic sealing cap

Accessories



Thread adapters
From page 660



EMC cable glands
From page 660



Replacement seals
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

Size B10, metal, sleeve housings with double locking latch



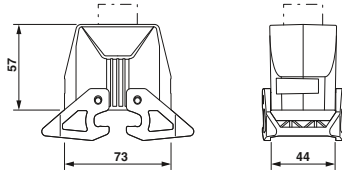
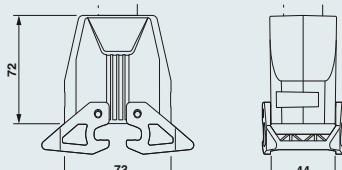
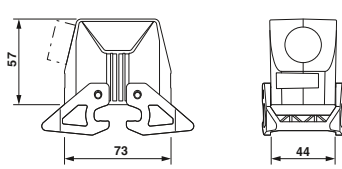
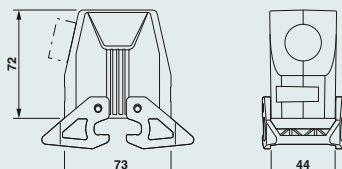
General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
-
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 57 mm 	1x M20 1x M25 1x Pg16 1x Pg21	Cable outlet: top			
		HC-STA-B10-HLWD-1TTM20-EL-AL	1412637	1	
		HC-STA-B10-HLWD-1TTM25-EL-AL	1412638	1	
		HC-STA-B10-HLWD-1TTP16-EL-AL	1412639	1	
		HC-STA-B10-HLWD-1TTP21-EL-AL	1412640	1	
		without bore hole			
Sleeve housing Height: 72 mm 	1x M25 1x M32 1x Pg21 1x Pg29	Cable outlet: top			
		HC-STA-B10-HHWD-1TTM25-EL-AL	1412612	1	
		HC-STA-B10-HHWD-1TTM32-EL-AL	1412613	1	
		HC-STA-B10-HHWD-1TTP21-EL-AL	1412614	1	
		HC-STA-B10-HHWD-1TTP29-EL-AL	1412615	1	
		without bore hole			
Sleeve housing Height: 57 mm 	1x M20 1x M25 1x Pg16 1x Pg21	Cable outlet: lateral			
		HC-STA-B10-HLWD-1STM20-EL-AL	1412633	1	
		HC-STA-B10-HLWD-1STM25-EL-AL	1412634	1	
		HC-STA-B10-HLWD-1STP16-EL-AL	1412635	1	
		HC-STA-B10-HLWD-1STP21-EL-AL	1412636	1	
		without bore hole			
Sleeve housing Height: 72 mm 	1x M25 1x M32 1x Pg21 1x Pg29	Cable outlet: lateral			
		HC-STA-B10-HHWD-1STM25-EL-AL	1412608	1	
		HC-STA-B10-HHWD-1STM32-EL-AL	1412609	1	
		HC-STA-B10-HHWD-1STP21-EL-AL	1412610	1	
		HC-STA-B10-HHWD-1STP29-EL-AL	1412611	1	
		without bore hole			
		HC-STA-B10-HHWD-BLANK-EL-AL	1420035	1	

Notes:

For further accessories, see from page 658

Marking label: US-EMLP-HA (20X9), Order No. 0830989

Accessories



Cable glands
From page 686



Replacement latches
phoenixcontact.net/products



Protective covers
From page 654

Size B10, metal, supporting base elements for double locking latch



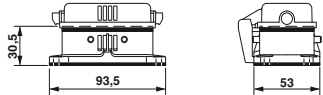
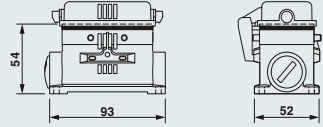
General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Panel mounting base Height: 30.5 mm 		With cover HC-STA-B10-BFDC-ELC-AL	1411323	1	
Box mounting base¹⁾ Height: 54 mm 	2x M20 2x M25 2x Pg16	With cover HC-STA-B10-SLFDC-2SSM20-ELC-AL HC-STA-B10-SLFDC-2SSM25-ELC-AL HC-STA-B10-SLFDC-2SSP16-ELC-AL	1412830 1412831 1412832	1 1 1	

Notes:

For further accessories, see from page 658

¹⁾ Supplied with a plastic sealing cap

Accessories



Cable glands
From page 686



Replacement seals
phoenixcontact.net/products



Replacement protective covers
phoenixcontact.net/products



Cover plates
From page 664

Heavy-duty connectors

HEAVYCON B – housings

Size B16, plastic, ADVANCE PL sleeve housings with cable gland

General data

Housing material
Lock material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

PA
Stainless steel
NBR
IP66 / IP67
12
-40°C ... 100°C

Ordering data

Description

Clamping area

Type

Order No.

Pcs./Pkt.

Dimensions

Sleeve housing¹⁾ Height: 95 mm

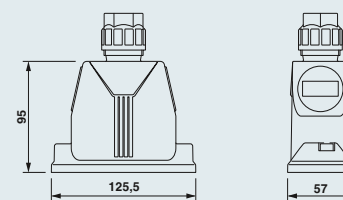


11 mm ... 21 mm
19 mm ... 28 mm

Cable outlet: top
HC-ADV-B16-HHWH-1TGM32-PL
HC-ADV-B16-HHWH-1TGM40-PL

1404231
1404233

1
1



Sleeve housing¹⁾ Height: 95 mm

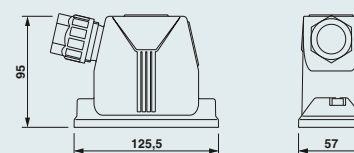


11 mm ... 21 mm
19 mm ... 28 mm

Cable outlet: lateral
HC-ADV-B16-HHWH-1SGM32-PL
HC-ADV-B16-HHWH-1SGM40-PL

1404232
1404234

1
1



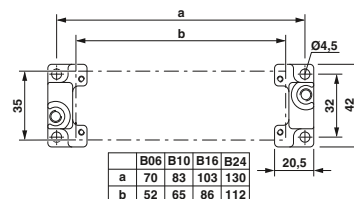
Panel mounting flange



2 pcs. per housing
HC-B-AF
Set with 2 panel mounting flanges
HC-B-AF-SET

1686533
1604638

20
1



Protective cover Height: 31.2 mm



for sleeve side, IP50
HC-B 16-TMS-SD-IP50
for panel mounting side, IP66
HC-B 16-TMS-SD-IP66

1690752
1411517

10
10



Notes:

Marking label: US-EMP (20X9) Order No. **0829439**

¹⁾ Screw locking with M6 Allen screws

Accessories



Allen keys
see Catalog 3



Replacement seals
phoenixcontact.net/products



Corrugated pipe adapters
see Catalog 3

Size B16, metal, ADVANCE sleeve housings

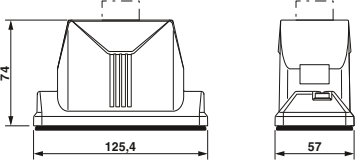
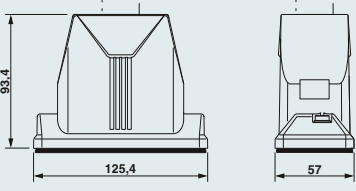
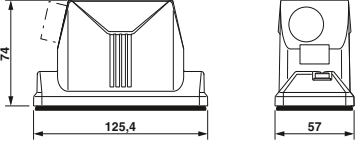
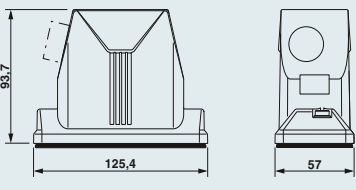
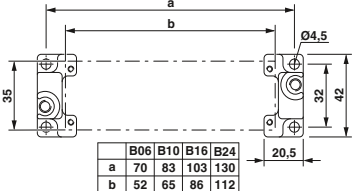
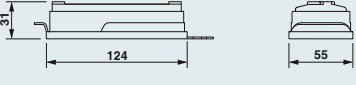
General data

Housing material
Surface material
Lock material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
Uncoated / powder coated, black
Stainless steel
NBR, conductive / Viton
IP66 / IP68 / IP69K
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing¹⁾ Height: 74 mm					
	1x M25	Uncoated, EMC ready HC-ADV-B16-HLWH-1TTM25-EMC-AL	1414975	1	
		Uncoated, EMC ready, without drill hole HC-ADV-B16-HLWH-BLANK-ELC-AL	1420053	1	
	1x M25	Powder-coated, black HC-ADV-B16-HLWH-1TTM25-MF-BK	1420921	1	
Sleeve housing¹⁾ Height: 93.7 mm					
	1x M25	Uncoated, EMC ready HC-ADV-B16-HHWH-1TTM25-EMC-AL	1414977	1	
	1x M32	Uncoated, EMC ready, without drill hole HC-ADV-B16-HHWH-1TTM32-EMC-AL	1413416	1	
	1x M40	Powder-coated, black HC-ADV-B16-HHWH-1TTM40-EMC-AL	1413418	1	
	1x M25	Uncoated, EMC ready, without drill hole HC-ADV-B16-HHWH-BLANK-ELC-AL	1420054	1	
	1x M32	Powder-coated, black HC-ADV-B16-HHWH-1TTM25-MF-BK	1420917	1	
	1x M40	HC-ADV-B16-HHWH-1TTM32-MF-BK	1420918	1	
		HC-ADV-B16-HHWH-1TTM40-MF-BK	1420919	1	
Sleeve housing¹⁾ Height: 74 mm					
	1x M25	Uncoated, EMC ready HC-ADV-B16-HLWH-1STM25-EMC-AL	1414976	1	
		Uncoated, EMC ready, without drill hole HC-ADV-B16-HLWH-BLANK-ELC-AL	1420053	1	
	1x M25	Powder-coated, black HC-ADV-B16-HLWH-1STM25-MF-BK	1420920	1	
Sleeve housing¹⁾ Height: 93.7 mm					
	1x M25	Uncoated, EMC ready HC-ADV-B16-HHWH-1STM25-EMC-AL	1414978	1	
	1x M32	Uncoated, EMC ready, without drill hole HC-ADV-B16-HHWH-1STM32-EMC-AL	1413417	1	
	1x M40	Powder-coated, black HC-ADV-B16-HHWH-1STM40-EMC-AL	1413419	1	
	1x M25	Uncoated, EMC ready, without drill hole HC-ADV-B16-HHWH-BLANK-ELC-AL	1420054	1	
	1x M32	Powder-coated, black HC-ADV-B16-HHWH-1STM25-MF-BK	1420914	1	
	1x M40	HC-ADV-B16-HHWH-1STM32-MF-BK	1420915	1	
		HC-ADV-B16-HHWH-1STM40-MF-BK	1420916	1	
Panel mounting flange		2 pcs. per housing HC-B-AF Set with 2 panel mounting flanges HC-B-AF-SET	1686533 1604638	20 1	
					
Protective cover Height: 31.2 mm		for sleeve side, IP50 HC-B 16-TMS-SD-IP50 for panel mounting side, IP66 HC-B 16-TMS-SD-IP66	1690752 1411517	10 10	
					

Notes:

In order to achieve optimum shielding results, the mounting surface must be conductive

Marking label: US-EMLP-HA (20X9), Order No. **0830989**

¹⁾ Screw locking with M6 Allen screws



Accessories



Cable glands
From page 686



Allen keys
see Catalog 3



Replacement seals
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

**Size B16, plastic,
EVO housings,
single locking latch**

General data

Housing material	PA
Locking latch material	PA
Sealing material	NBR
IP degree of protection (when plugged in)	IP66
NEMA degree of protection (when plugged in)	12
Ambient temperature (operation)	-40°C ... 125°C

Technical data

Ordering data



Description

Thread

Type

Order No.

Pcs./Pkt.

Dimensions

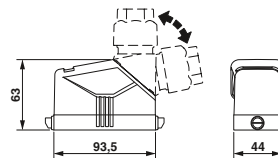
Sleeve housing
Height: 63 mm



HC-EVO-B16-HLFS-PLBK

1420931

1



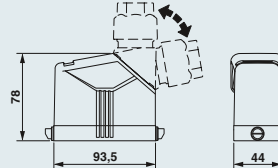
Sleeve housing
Height: 78 mm



HC-EVO-B16-HHFS-PLBK

1407642

1



Panel mounting base
Height: 30.5 mm



Without cover

HC-EVO-B16-BWS-PLRBK

1407646

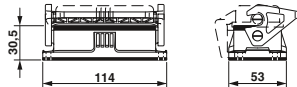
1

With cover

HC-EVO-B16-BWSC-PLRBK

1407647

1



Box mounting base¹⁾
Height: 84 mm



2x M25
2x M32
2x M40

Without cover

HC-EVO-B16-SHWS-2SSM25-PLRBK

1421381

1

HC-EVO-B16-SHWS-2SSM32-PLRBK

1421363

1

HC-EVO-B16-SHWS-2SSM40-PLRBK

1407650

1

With cover

HC-EVO-B16-SHWSC-2SSM25-PLRBK

1421382

1

HC-EVO-B16-SHWSC-2SSM32-PLRBK

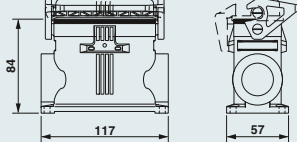
1421364

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HC-EVO-B16-SHWSC-2SSM40-PLRBK

1407651

1



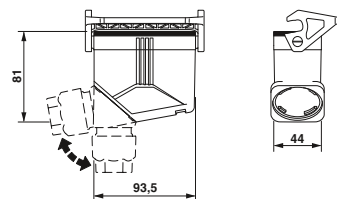
Coupling housing
Height: 81 mm



HC-EVO-B16-CHWS-PLRBK

1407654

1



Cable gland

Clamping area

7 mm ... 13 mm
9 mm ... 17 mm
11 mm ... 21 mm
19 mm ... 28 mm



HC-B-G-M20-PLRBK

1407669

1

HC-B-G-M25-PLRBK

1407670

1

HC-B-G-M32-PLRBK

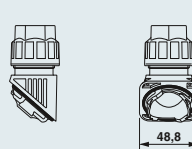
1407671

1

HC-B-G-M40-PLRBK

1407672

1



Notes:

For further accessories, see from page 658

Marking label: US-EMP (20X9) Order No. [0829439](#)

¹⁾ One cable entry is sealed with a knockout cover

Accessories



EVO unlocking tools
From page 659



Thread adapters
From page 659



Replacement seals
phoenixcontact.net/products



Connector sets
From page 646

**Size B16, metal,
EVO housings,
single locking latch**

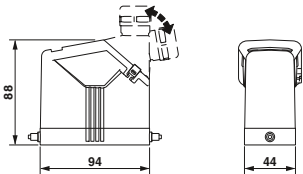
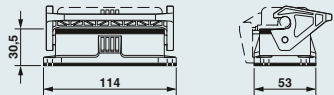
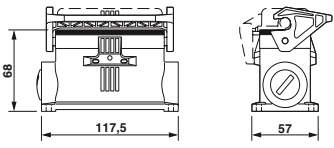
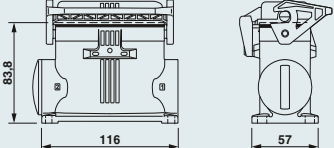
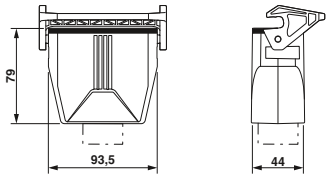
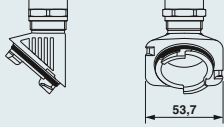

General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 88 mm 		HC-EVO-B16-HHFS-EL-AL	1411461	1	
Panel mounting base Height: 30.5 mm 		Without cover HC-STA-B16-BWS-ELC-AL With cover HC-STA-B16-BWSC-ELC-AL	1411324 1411325	1 1	
Box mounting base¹⁾ Height: 68 mm 	2x M25 2x M32 2x Pg21	Without cover HC-STA-B16-SLWS-2SSM25-ELC-AL HC-STA-B16-SLWS-2SSM32-ELC-AL HC-STA-B16-SLWS-2SSP21-ELC-AL With cover HC-STA-B16-SLWSC-2SSM25-ELC-AL HC-STA-B16-SLWSC-2SSM32-ELC-AL HC-STA-B16-SLWSC-2SSP21-ELC-AL	1412861 1412862 1412863 1412865 1412866 1412867	1 1 1 1 1 1	
Box mounting base¹⁾ Height: 84.7 mm 	2x M25 2x M32 2x M40 2x M25 2x M32 2x M40	Without cover HC-STA-B16-SHWS-2SSM25-ELC-AL HC-STA-B16-SHWS-2SSM32-ELC-AL HC-STA-B16-SHWS-2SSM40-ELC-AL With cover HC-STA-B16-SHWSC-2SSM25-ELC-AL HC-STA-B16-SHWSC-2SSM32-ELC-AL HC-STA-B16-SHWSC-2SSM40-ELC-AL	1082586 1082587 1082588 1082589 1082590 1082591	1 1 1 1 1 1	
Coupling housing Height: 79 mm 	1x M25 1x M32 1x Pg21 1x Pg29	Cable outlet: top HC-STA-B16-CHWS-1TTM25-ELC-AL HC-STA-B16-CHWS-1TTM32-ELC-AL HC-STA-B16-CHWS-1TTP21-ELC-AL HC-STA-B16-CHWS-1TTP29-ELC-AL	1412645 1412646 1412647 1412648	1 1 1 1	
Cable gland 	Clamping area 9 mm ... 13 mm 11 mm ... 16 mm 14 mm ... 21 mm 19 mm ... 27 mm	HC-B-G-M20-EC-AL HC-B-G-M25-EC-AL HC-B-G-M32-EC-AL HC-B-G-M40-EC-AL	1411439 1411446 1411440 1411441	1 1 1 1	

Notes:

For further accessories, see from page 658

Marking label: US-EMLP-HA (20X9), Order No. 0830989

¹⁾ Supplied with a plastic sealing cap

Accessories


EMC cable glands
From page 660

Cable glands
From page 686

Replacement seals
phoenixcontact.net/products

Connector sets
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

Size B16, metal, sleeve housings for single locking latch



General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
-
-
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread
-------------	--------

Sleeve housing
Height: 60 mm



1x M25
1x M32

1x Pg16
1x Pg21

Type	Order No.	Pcs./Pkt.
------	-----------	-----------

Cable outlet: top
HC-STA-B16-HLFS-1TTM25-EL-AL
HC-STA-B16-HLFS-1TTM32-EL-AL
HC-STA-B16-HLFS-1TTP16-EL-AL
HC-STA-B16-HLFS-1TTP21-EL-AL
without bore hole
HC-STA-B16-HLFS-BLANK-EL-AL

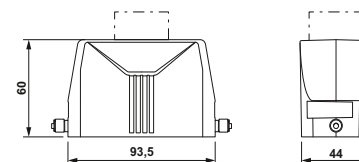
1412729
1412730
1412731
1412732

1419905

1
1
1
1

1

Dimensions



Sleeve housing
Height: 76 mm



1x M32
1x M40

1x Pg21
1x Pg29

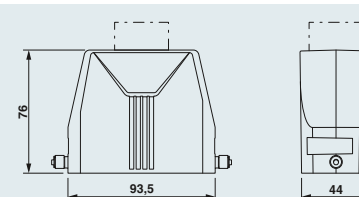
Cable outlet: top
HC-STA-B16-HHFS-1TTM32-EL-AL
HC-STA-B16-HHFS-1TTM40-EL-AL
HC-STA-B16-HHFS-1TTP21-EL-AL
HC-STA-B16-HHFS-1TTP29-EL-AL
without bore hole
HC-STA-B16-HHFS-BLANK-EL-AL

1412689
1412700
1412701
1412702

1419934

1
1
1
1

1



Sleeve housing
Height: 60 mm



1x M25
1x M32

1x Pg16
1x Pg21

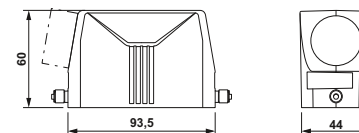
Cable outlet: lateral
HC-STA-B16-HLFS-1STM25-EL-AL
HC-STA-B16-HLFS-1STM32-EL-AL
HC-STA-B16-HLFS-1STP16-EL-AL
HC-STA-B16-HLFS-1STP21-EL-AL
without bore hole
HC-STA-B16-HLFS-BLANK-EL-AL

1412725
1412726
1412727
1412728

1419905

1
1
1
1

1



Sleeve housing
Height: 76 mm



1x M32
1x M40

1x Pg21
1x Pg29

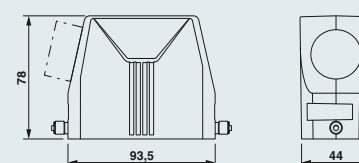
Cable outlet: lateral
HC-STA-B16-HHFS-1STM32-EL-AL
HC-STA-B16-HHFS-1STM40-EL-AL
HC-STA-B16-HHFS-1STP21-EL-AL
HC-STA-B16-HHFS-1STP29-EL-AL
without bore hole
HC-STA-B16-HHFS-BLANK-EL-AL

1412679
1412682
1412683
1412684

1419934

1
1
1
1

1



Notes:

For further accessories, see from page 658
Marking label: US-EMLP-HA (20X9), Order No. 0830989

Accessories



Cable glands
From page 686



Protective covers
From page 654



Cover plates
From page 664



Connector sets
From page 647

Size B16, metal, supporting base elements with single locking latch



General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Panel mounting base Height: 30.5 mm		Without cover HC-STA-B16-BWS-ELC-AL With cover HC-STA-B16-BWSC-ELC-AL	1411324 1411325	1 1	
Box mounting base¹⁾ Height: 68 mm	2x M25 2x M32 2x Pg21	Without cover HC-STA-B16-SLWS-2SSM25-ELC-AL HC-STA-B16-SLWS-2SSM32-ELC-AL HC-STA-B16-SLWS-2SSP21-ELC-AL With cover HC-STA-B16-SLWSC-2SSM25-ELC-AL HC-STA-B16-SLWSC-2SSM32-ELC-AL HC-STA-B16-SLWSC-2SSP21-ELC-AL	1412861 1412862 1412863 1412865 1412866 1412867	1 1 1 1 1 1	
Box mounting base¹⁾ Height: 84.7 mm	2x M25 2x M32 2x M40 2x M25 2x M32 2x M40	Without cover HC-STA-B16-SHWS-2SSM25-ELC-AL HC-STA-B16-SHWS-2SSM32-ELC-AL HC-STA-B16-SHWS-2SSM40-ELC-AL With cover HC-STA-B16-SHWSC-2SSM25-ELC-AL HC-STA-B16-SHWSC-2SSM32-ELC-AL HC-STA-B16-SHWSC-2SSM40-ELC-AL	1082586 1082587 1082588 1082589 1082590 1082591	1 1 1 1 1 1	
Coupling housing Height: 79 mm	1x M25 1x M32 1x Pg21 1x Pg29	Cable outlet: top HC-STA-B16-CHWS-1TTM25-ELC-AL HC-STA-B16-CHWS-1TTM32-ELC-AL HC-STA-B16-CHWS-1TTP21-ELC-AL HC-STA-B16-CHWS-1TTP29-ELC-AL	1412645 1412646 1412647 1412648	1 1 1 1	

Notes:

For further accessories, see from page 658

¹⁾ Supplied with a plastic sealing cap

Accessories



Cable glands
From page 686



Replacement seals
phoenixcontact.net/products



Replacement protective covers
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

**Size B16, plastic,
EVO housings,
double locking latch**

General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

PA
PA
NBR
IP66
12
-40°C ... 125°C

Ordering data

Description Thread

Sleeve housing
Height: 63 mm



Sleeve housing
Height: 78 mm



Double sleeve housing
Height: 78 mm



Panel mounting base
Height: 30.5 mm



Box mounting base¹⁾
Height: 84 mm



2x M25
2x M32
2x M40

Coupling housing
Height: 84 mm



Type Order No. Pcs./Pkt.

HC-EVO-B16-HLFD-PLBK

1420932

1

HC-EVO-B16-HHFD-PLBK

1407643

1

for double locking latch
HC-EVO-B16-HHFD-2B-PL-BK

1411496

1

Without cover
HC-EVO-B16-BWD-PLRBK

1407648

1

Without cover
HC-EVO-B16-SHWD-2SSM25-PLRBK
HC-EVO-B16-SHWD-2SSM32-PLRBK
HC-EVO-B16-SHWD-2SSM40-PLRBK

1421455

1421365

1407652

1

1

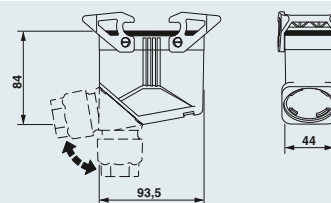
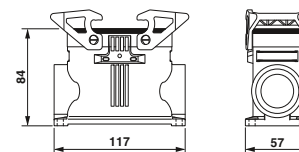
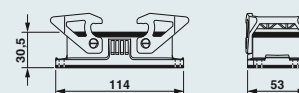
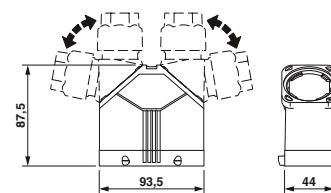
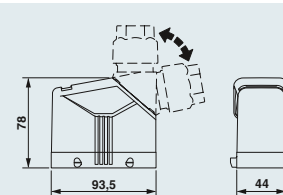
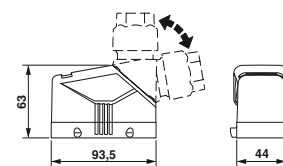
1

HC-EVO-B16-CHWD-PLRBK

1407655

1

Dimensions



Notes:

For further accessories, see from page 658

Marking label: US-EMP (20X9) Order No. [0829439](#)

¹⁾ One cable entry is sealed with a knockout cover

Accessories



Cable glands
From page 658



Thread adapters
From page 659



Replacement seals
phoenixcontact.net/products



Connector sets
From page 646

**Size B16, metal,
EVO housings,
double locking latch**


General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
Polyamide
NBR, conductive
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 88 mm		HC-EVO-B16-HHFD-EL-AL	1411460	1	
Panel mounting base Height: 30.5 mm		Without cover HC-STA-B16-BWD-ELC-AL	1411327	1	
Box mounting base¹⁾ Height: 68 mm	2x M25 2x M32 2x Pg21	Without cover HC-STA-B16-SLWD-2SSM25-ELC-AL HC-STA-B16-SLWD-2SSM32-ELC-AL HC-STA-B16-SLWD-2SSP21-ELC-AL	1412855 1412856 1412857	1 1 1	
Box mounting base¹⁾ Height: 84.7 mm	2x M25 2x M32 2x M40	Without cover HC-STA-B16-SHWD-2SSM25-ELC-AL HC-STA-B16-SHWD-2SSM32-ELC-AL HC-STA-B16-SHWD-2SSM40-ELC-AL	1082600 1082601 1082602	1 1 1	
Coupling housing Height: 79 mm	1x M25 1x M32 1x Pg21 1x Pg29	Cable outlet: top HC-STA-B16-CHWD-1TTM25-ELC-AL HC-STA-B16-CHWD-1TTM32-ELC-AL HC-STA-B16-CHWD-1TTP21-ELC-AL HC-STA-B16-CHWD-1TTP29-ELC-AL	1412641 1412642 1412643 1412644	1 1 1 1	

Notes:

For further accessories, see from page 658

Marking label: US-EMLP-HA (20X9), Order No. 0830989

¹⁾ Supplied with a plastic sealing cap

Accessories



Cable glands
From page 660



Cable glands
From page 686



Replacement seals
phoenixcontact.net/products



Connector sets
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

Size B16, metal, sleeve housings for double locking latch

new



General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
-
-
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 60 mm	1x M25 1x M32 1x Pg16 1x Pg21	Cable outlet: top HC-STA-B16-HLFD-1TTM25-EL-AL HC-STA-B16-HLFD-1TTM32-EL-AL HC-STA-B16-HLFD-1TTP16-EL-AL HC-STA-B16-HLFD-1TTP21-EL-AL without bore hole HC-STA-B16-HLFD-BLANK-EL-AL	1412721 1412722 1412723 1412724 1419999	1 1 1 1 1	
Sleeve housing Height: 76 mm	1x M32 1x M40 1x Pg21 1x Pg29	Cable outlet: top HC-STA-B16-HHFD-1TTM32-EL-AL HC-STA-B16-HHFD-1TTM40-EL-AL HC-STA-B16-HHFD-1TTP21-EL-AL HC-STA-B16-HHFD-1TTP29-EL-AL without bore hole HC-STA-B16-HHFD-BLANK-EL-AL	1412653 1412654 1412669 1412678 1420000	1 1 1 1 1	
Sleeve housing Height: 110.8 mm	1x M50	Cable outlet: top HC-STA-B16-HHFD-1TTM50-EL-AL	1082552	1	
Sleeve housing Height: 60 mm	1x M25 1x M32 1x Pg16 1x Pg21	Cable outlet: lateral HC-STA-B16-HLFD-1STM25-EL-AL HC-STA-B16-HLFD-1STM32-EL-AL HC-STA-B16-HLFD-1STP16-EL-AL HC-STA-B16-HLFD-1STP21-EL-AL without bore hole HC-STA-B16-HLFD-BLANK-EL-AL	1412717 1412718 1412719 1412720 1419999	1 1 1 1 1	
Sleeve housing Height: 76 mm	1x M32 1x M40 1x Pg21 1x Pg29	Cable outlet: lateral HC-STA-B16-HHFD-1STM32-EL-AL HC-STA-B16-HHFD-1STM40-EL-AL HC-STA-B16-HHFD-1STP21-EL-AL HC-STA-B16-HHFD-1STP29-EL-AL without bore hole HC-STA-B16-HHFD-BLANK-EL-AL	1412649 1412650 1412651 1412652 1420000	1 1 1 1 1	
Sleeve housing Height: 110.8 mm	1x M50	Cable outlet: lateral HC-STA-B16-HHFD-1STM50-EL-AL	1082551	1	

Notes:

For further accessories, see from page 658

Marking label: US-EMLP-HA (20X9), Order No. 0830989

Accessories



Cable glands
From page 686



Protective covers
From page 654



Cover plates
From page 664



Connector sets
From page 647

Size B16, metal, supporting base elements with double locking latch



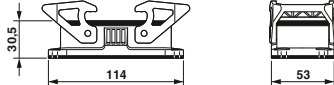
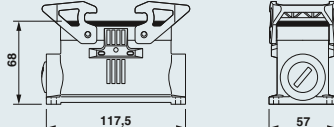
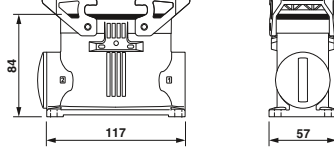
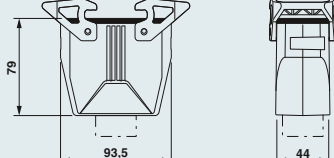
General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Panel mounting base Height: 30.5 mm 		Without cover HC-STA-B16-BWD-ELC-AL	1411327	1	
Box mounting base¹⁾ Height: 68 mm 	2x M25 2x M32 2x Pg21	Without cover HC-STA-B16-SLWD-2SSM25-ELC-AL HC-STA-B16-SLWD-2SSM32-ELC-AL HC-STA-B16-SLWD-2SSP21-ELC-AL	1412855 1412856 1412857	1 1 1	
Box mounting base¹⁾ Height: 84.7 mm 	2x M25 2x M32 2x M40	Without cover HC-STA-B16-SHWD-2SSM25-ELC-AL HC-STA-B16-SHWD-2SSM32-ELC-AL HC-STA-B16-SHWD-2SSM40-ELC-AL	1082600 1082601 1082602	1 1 1	
Coupling housing Height: 79 mm 	1x M25 1x M32 1x Pg21 1x Pg29	Cable outlet: top HC-STA-B16-CHWD-1TTM25-ELC-AL HC-STA-B16-CHWD-1TTM32-ELC-AL HC-STA-B16-CHWD-1TTP21-ELC-AL HC-STA-B16-CHWD-1TTP29-ELC-AL	1412641 1412642 1412643 1412644	1 1 1 1	

Notes:

For further accessories, see from page 658

¹⁾ Supplied with a plastic sealing cap

Accessories



Cable glands
From page 686



Replacement seals
phoenixcontact.net/products



Replacement protective covers
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

**Size B16, plastic,
EVO housings,
double locking latch**

General data

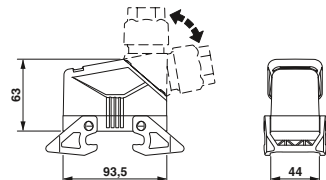
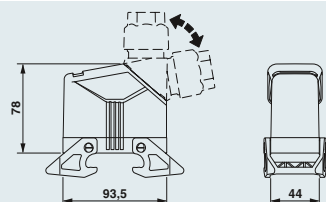
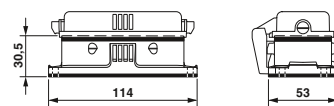
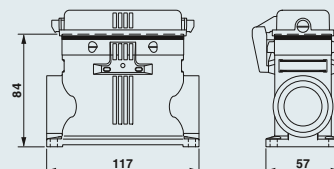
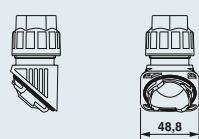
Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

PA
PA
NBR
IP66
12
-40°C ... 125°C



Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 63 mm 		HC-EVO-B16-HLWD-PLBK	1420933	1	
Sleeve housing Height: 78 mm 		HC-EVO-B16-HHWD-PLBK	1407644	1	
Panel mounting base Height: 30.5 mm 		With cover HC-EVO-B16-BFDC-PLRBK	1407649	1	
Box mounting base¹⁾ Height: 84 mm 	2x M25 2x M32 2x M40	With cover HC-EVO-B16-SHFDC-2SSM25-PLRBK HC-EVO-B16-SHFDC-2SSM32-PLRBK HC-EVO-B16-SHFDC-2SSM40-PLRBK	1421458 1421366 1407653	1 1 1	
Cable gland 	Clamping area 7 mm ... 13 mm 9 mm ... 17 mm 11 mm ... 21 mm 19 mm ... 28 mm	HC-B-G-M20-PLRBK HC-B-G-M25-PLRBK HC-B-G-M32-PLRBK HC-B-G-M40-PLRBK	1407669 1407670 1407671 1407672	1 1 1 1	

Notes:

For further accessories, see from page 658

Marking label: US-EMP (20X9) Order No. 0829439

¹⁾ One cable entry is sealed with a knockout cover

Accessories



EVO unlocking tools
From page 659



Thread adapters
From page 659



Replacement seals
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

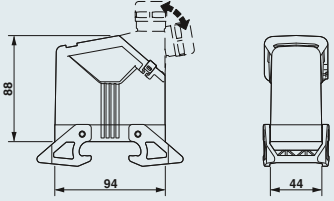
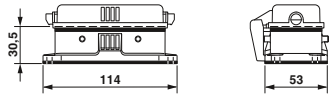
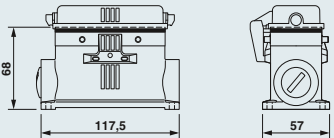
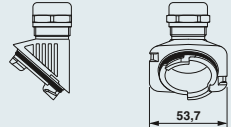
**Size B16, metal,
EVO housings,
double locking latch**

Technical data
General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 88 mm 		HC-EVO-B16-HHWD-EL-AL	1411462	1	
Panel mounting base Height: 30.5 mm 		With cover HC-STA-B16-BFDC-ELC-AL	1411328	1	
Box mounting base¹⁾ Height: 68 mm 	2x M25 2x M32 2x Pg16 2x Pg21	With cover HC-STA-B16-SLFDC-2SSM25-ELC-AL HC-STA-B16-SLFDC-2SSM32-ELC-AL HC-STA-B16-SLFDC-2SSP16-ELC-AL HC-STA-B16-SLFDC-2SSP21-ELC-AL	1412849 1412850 1412852 1412853	1 1 1 1	
Cable gland 	Clamping area 9 mm ... 13 mm 11 mm ... 16 mm 14 mm ... 21 mm 19 mm ... 27 mm	HC-B-G-M20-EC-AL HC-B-G-M25-EC-AL HC-B-G-M32-EC-AL HC-B-G-M40-EC-AL	1411439 1411446 1411440 1411441	1 1 1 1	

Notes:

For further accessories, see from page 658

Marking label: US-EMLP-HA (20X9), Order No. 0830989

¹⁾ Supplied with a plastic sealing cap

Accessories


Thread adapters
From page 660



EMC cable glands
From page 660



Replacement seals
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

Size B16, metal, sleeve housings with double locking latch



General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
-
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description Thread

Sleeve housing
Height: 60 mm



1x M25
1x M32
1x Pg16
1x Pg21

Type

Cable outlet: top
HC-STA-B16-HLWD-1TTM25-EL-AL
HC-STA-B16-HLWD-1TTM32-EL-AL
HC-STA-B16-HLWD-1TTP16-EL-AL
HC-STA-B16-HLWD-1TTP21-EL-AL
without bore hole
HC-STA-B16-HLWD-BLANK-EL-AL

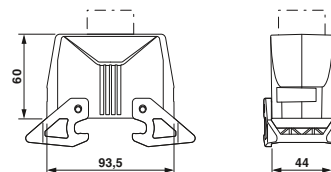
Order No.

1412738
1412739
1412740
1412741
1420036

Pcs./Pkt.

1
1
1
1
1

Dimensions



Sleeve housing
Height: 76 mm



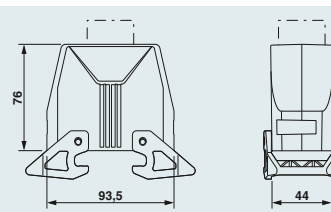
1x M32
1x M40
1x Pg21
1x Pg29

Type

Cable outlet: top
HC-STA-B16-HHWD-1TTM32-EL-AL
HC-STA-B16-HHWD-1TTM40-EL-AL
HC-STA-B16-HHWD-1TTP21-EL-AL
HC-STA-B16-HHWD-1TTP29-EL-AL
without bore hole
HC-STA-B16-HHWD-BLANK-EL-AL

1412708
1412709
1412715
1412716
1420044

1
1
1
1
1



Sleeve housing
Height: 60 mm



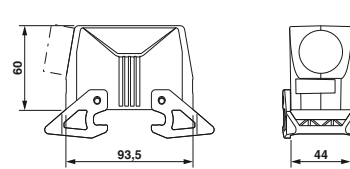
1x M25
1x M32
1x Pg16
1x Pg21

Type

Cable outlet: lateral
HC-STA-B16-HLWD-1STM25-EL-AL
HC-STA-B16-HLWD-1STM32-EL-AL
HC-STA-B16-HLWD-1STP16-EL-AL
HC-STA-B16-HLWD-1STP21-EL-AL
without bore hole
HC-STA-B16-HLWD-BLANK-EL-AL

1412733
1412734
1412735
1412737
1420036

1
1
1
1
1



Sleeve housing
Height: 76 mm



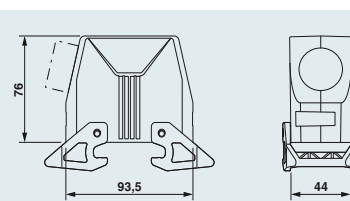
1x M32
1x M40
1x Pg21
1x Pg29

Type

Cable outlet: lateral
HC-STA-B16-HHWD-1STM32-EL-AL
HC-STA-B16-HHWD-1STM40-EL-AL
HC-STA-B16-HHWD-1STP21-EL-AL
HC-STA-B16-HHWD-1STP29-EL-AL
without bore hole
HC-STA-B16-HHWD-BLANK-EL-AL

1412703
1412704
1412705
1412706
1420044

1
1
1
1
1



Notes:

For further accessories, see from page 658
Marking label: US-EMLP-HA (20X9), Order No. 0830989

Accessories



Cable glands
From page 686



Protective covers
From page 654



Replacement latches
phoenixcontact.net/products

Size B16, metal, supporting base elements for double locking latch



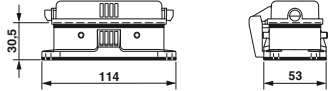
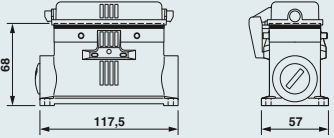
General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Panel mounting base Height: 30.5 mm 		With cover HC-STA-B16-BFDC-ELC-AL	1411328	1	
Box mounting base¹⁾ Height: 68 mm 	2x M25 2x M32 2x Pg16 2x Pg21	With cover HC-STA-B16-SLFDC-2SSM25-ELC-AL HC-STA-B16-SLFDC-2SSM32-ELC-AL HC-STA-B16-SLFDC-2SSP16-ELC-AL HC-STA-B16-SLFDC-2SSP21-ELC-AL	1412849 1412850 1412852 1412853	1 1 1 1	

Notes:

For further accessories, see from page 658

¹⁾ Supplied with a plastic sealing cap

Accessories



Cable glands
From page 686



Replacement seals
phoenixcontact.net/products



Replacement protective covers
phoenixcontact.net/products



Cover plates
From page 664

Heavy-duty connectors

HEAVYCON B – housings

Size B24, plastic, ADVANCE sleeve housings with cable gland

General data

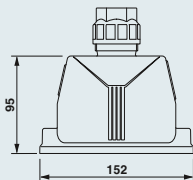
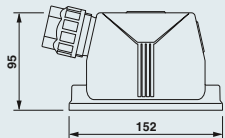
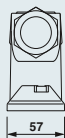
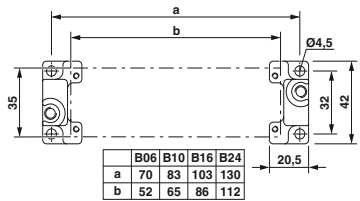
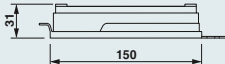
Housing material
Lock material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

PA
Stainless steel
NBR
IP66 / IP67
12
-40°C ... 100°C



Ordering data

Description	Clamping area	Type	Order No.	Pcs./Pkt.	Dimensions															
Sleeve housing¹⁾ Height: 95 mm 	11 mm ... 21 mm 19 mm ... 28 mm	Cable outlet: top HC-ADV-B24-HHWH-1TGM32-PL HC-ADV-B24-HHWH-1TGM40-PL	1404235 1404238	1 1	 															
Sleeve housing¹⁾ Height: 95 mm 	11 mm ... 21 mm 19 mm ... 28 mm	Cable outlet: lateral HC-ADV-B24-HHWH-1SGM32-PL HC-ADV-B24-HHWH-1SGM40-PL	1404237 1404239	1 1	 															
Panel mounting flange 		2 pcs. per housing HC-B-AF Set with 2 panel mounting flanges HC-B-AF-SET	1686533 1604638	20 1	 <table><tr><td></td><td>B06</td><td>B10</td><td>B16</td><td>B24</td></tr><tr><td>a</td><td>70</td><td>83</td><td>103</td><td>130</td></tr><tr><td>b</td><td>52</td><td>65</td><td>86</td><td>112</td></tr></table>		B06	B10	B16	B24	a	70	83	103	130	b	52	65	86	112
	B06	B10	B16	B24																
a	70	83	103	130																
b	52	65	86	112																
Protective cover Height: 31.2 mm 		for sleeve side, IP50 HC-B 24-TMS-SD-IP50 for panel mounting side, IP66 HC-B 24-TMS-SD-IP66	1690765 1411520	10 10	 															

Notes:

Marking label: US-EMP (20X9) Order No. [0829439](#)

¹⁾ Screw locking with M6 Allen screws

Accessories



Allen keys
see Catalog 3



Replacement seals
phoenixcontact.net/products



Corrugated pipe adapters
see Catalog 3

Size B24, metal,
ADVANCE sleeve housings

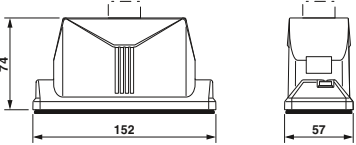
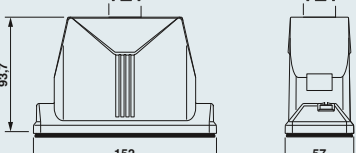
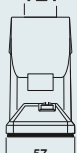
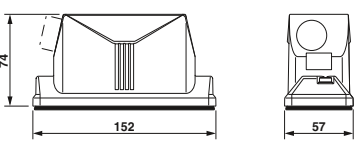
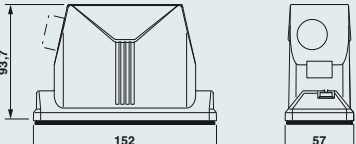
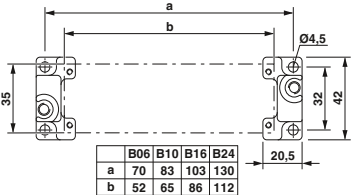
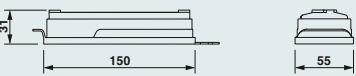
General data

Housing material
Surface material
Lock material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
Uncoated / powder coated, black
Stainless steel
NBR, conductive / Viton
IP66 / IP68 / IP69K
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing¹⁾ Height: 74 mm					
	1x M25	Uncoated, EMC ready HC-ADV-B24-HLWH-1TTM25-EMC-AL	1414982	1	
	1x M25	HC-ADV-B24-HLWH-BLANK-ELC-AL Powder-coated, black HC-ADV-B24-HLWH-1TTM25-MF-BK	1420055 1420929	1	
Sleeve housing¹⁾ Height: 93.7 mm					
	1x M25	Uncoated, EMC ready HC-ADV-B24-HHWH-1TTM25-EMC-AL	1414980	1	
	1x M32	HC-ADV-B24-HHWH-1TTM32-EMC-AL	1413430	1	
	1x M40	HC-ADV-B24-HHWH-1TTM40-EMC-AL	1413432	1	
	1x M25	Uncoated, EMC ready, without drill hole HC-ADV-B24-HHWH-BLANK-ELC-AL	1420056	1	
	1x M32	Powder-coated, black HC-ADV-B24-HHWH-1TTM25-MF-BK	1420925	1	
	1x M40	HC-ADV-B24-HHWH-1TTM32-MF-BK HC-ADV-B24-HHWH-1TTM40-MF-BK	1420926 1420927	1	
Sleeve housing¹⁾ Height: 74 mm					
	1x M25	Uncoated, EMC ready HC-ADV-B24-HLWH-1STM25-EMC-AL	1414983	1	
	1x M25	HC-ADV-B24-HLWH-BLANK-ELC-AL Powder-coated, black HC-ADV-B24-HLWH-1STM25-MF-BK	1420055 1420928	1	
Sleeve housing¹⁾ Height: 93.7 mm					
	1x M25	Uncoated, EMC ready HC-ADV-B24-HHWH-1STM25-EMC-AL	1414981	1	
	1x M32	HC-ADV-B24-HHWH-1STM32-EMC-AL	1413431	1	
	1x M40	HC-ADV-B24-HHWH-1STM40-EMC-AL	1413433	1	
	1x M25	Uncoated, EMC ready, without drill hole HC-ADV-B24-HHWH-BLANK-ELC-AL	1420056	1	
	1x M32	Powder-coated, black HC-ADV-B24-HHWH-1STM25-MF-BK	1420922	1	
	1x M40	HC-ADV-B24-HHWH-1STM32-MF-BK HC-ADV-B24-HHWH-1STM40-MF-BK	1420923 1420924	1	
Panel mounting flange					
		2 pcs. per housing HC-B-AF	1686533	20	
		Set with 2 panel mounting flanges HC-B-AF-SET	1604638	1	
Protective cover Height: 31.2 mm					
		for sleeve side, IP50 HC-B 24-TMS-SD-IP50	1690765	10	
		for panel mounting side, IP66 HC-B 24-TMS-SD-IP66	1411520	10	

Notes:

In order to achieve optimum shielding results, the mounting surface must be conductive

Marking label: US-EMLP-HA (20X9), Order No. **0830989**

¹⁾ Screw locking with M6 Allen screws

Accessories



Cable glands
From page 686



Allen keys
see Catalog 3



Replacement seals
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

**Size B24, plastic,
EVO housings,
single locking latch**

General data

Housing material	PA
Locking latch material	PA
Sealing material	NBR
IP degree of protection (when plugged in)	IP66
NEMA degree of protection (when plugged in)	12
Ambient temperature (operation)	-40°C ... 125°C

Technical data

PA
PA
NBR
IP66
12
-40°C ... 125°C

Ordering data

Description

Thread

Type

Order No.

Pcs./Pkt.

Dimensions

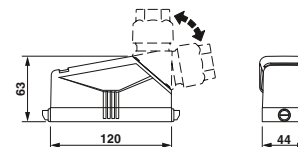
Sleeve housing
Height: 63 mm



HC-EVO-B24-HLFS-PLBK

1420934

1



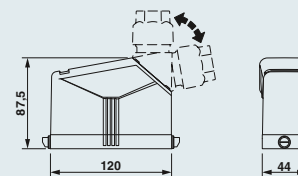
Sleeve housing
Height: 87.5 mm



HC-EVO-B24-HHFS-PLBK

1407656

1



Panel mounting base
Height: 30.5 mm



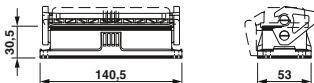
Without cover
HC-EVO-B24-BWS-PLRBK
With cover
HC-EVO-B24-BWSC-PLRBK

1407659

1

1407660

1



Box mounting base¹)
Height: 84 mm



2x M25
2x M32
2x M40

Without cover
HC-EVO-B24-SHWS-2SSM25-PLRBK
HC-EVO-B24-SHWS-2SSM32-PLRBK
HC-EVO-B24-SHWS-2SSM40-PLRBK
With cover
HC-EVO-B24-SHWSC-2SSM25-PLRBK
HC-EVO-B24-SHWSC-2SSM32-PLRBK
HC-EVO-B24-SHWSC-2SSM40-PLRBK

1421459

1

1421367

1

1407663

1

1421460

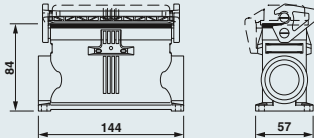
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1421369

1

1407664

1



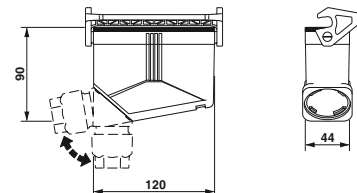
Coupling housing
Height: 90 mm



HC-EVO-B24-CHWS-PLRBK

1407667

1



Cable gland

Clamping area

7 mm ... 13 mm
9 mm ... 17 mm
11 mm ... 21 mm
19 mm ... 28 mm



HC-B-G-M20-PLRBK
HC-B-G-M25-PLRBK
HC-B-G-M32-PLRBK
HC-B-G-M40-PLRBK

1407669

1

1407670

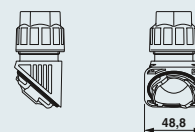
1

1407671

1

1407672

1



Notes:

For further accessories, see from page 658

Marking label: US-EMP (20X9) Order No. 0829439

¹) One cable entry is sealed with a knockout cover

Accessories



EVO unlocking tools
From page 659



Thread adapters
From page 659



Replacement seals
phoenixcontact.net/products



Connector sets
From page 646

Size B24, metal, EVO housings, single locking latch



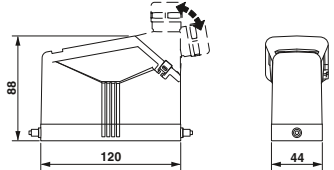
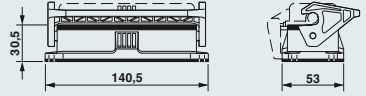
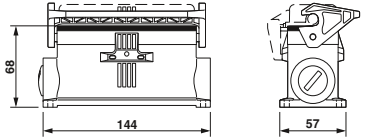
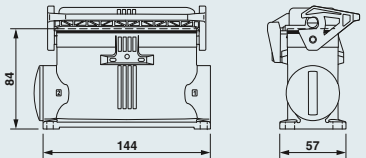
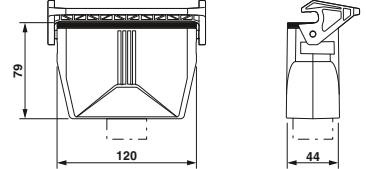
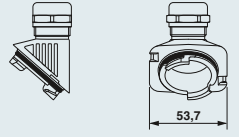
General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
Polyamide
NBR, conductive
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 88 mm 		HC-EVO-B24-HHFS-EL-AL	1411473	1	
Panel mounting base Height: 30.5 mm 		Without cover HC-STA-B24-BWS-ELC-AL With cover HC-STA-B24-BWSC-ELC-AL	1411329 1411330	1 1	
Box mounting base¹⁾ Height: 68 mm 	2x M25 2x M32 2x Pg21	Without cover HC-STA-B24-SLWS-2SSM25-ELC-AL HC-STA-B24-SLWS-2SSM32-ELC-AL HC-STA-B24-SLWS-2SSP21-ELC-AL With cover HC-STA-B24-SLWSC-2SSM25-ELC-AL HC-STA-B24-SLWSC-2SSM32-ELC-AL HC-STA-B24-SLWSC-2SSP21-ELC-AL	1412877 1412878 1412879 1412881 1412882 1412883	1 1 1 1 1 1	
Box mounting base¹⁾ Height: 84.7 mm 	2x M32 2x M40 2x M25 2x M32 2x M40	Without cover HC-STA-B24-SHWS-2SSM32-ELC-AL HC-STA-B24-SHWS-2SSM40-ELC-AL With cover HC-STA-B24-SHWSC-2SSM25-ELC-AL HC-STA-B24-SHWSC-2SSM32-ELC-AL HC-STA-B24-SHWSC-2SSM40-ELC-AL	1082592 1082593 1082595 1082596 1082597	1 1 1 1 1	
Coupling housing Height: 79 mm 	1x M32 1x M40 1x Pg21 1x Pg29	Cable outlet: top HC-STA-B24-CHWS-1TTM32-ELC-AL HC-STA-B24-CHWS-1TTM40-ELC-AL HC-STA-B24-CHWS-1TTP21-ELC-AL HC-STA-B24-CHWS-1TTP29-ELC-AL	1412746 1412747 1412748 1412749	1 1 1 1	
Cable gland 	Clamping area 9 mm ... 13 mm 11 mm ... 16 mm 14 mm ... 21 mm 19 mm ... 27 mm	HC-B-G-M20-EC-AL HC-B-G-M25-EC-AL HC-B-G-M32-EC-AL HC-B-G-M40-EC-AL	1411439 1411446 1411440 1411441	1 1 1 1	

Notes:

For further accessories, see from page 658

Marking label: US-EMLP-HA (20X9), Order No. 0830989

¹⁾ Supplied with a plastic sealing cap

Accessories



EMC cable glands
From page 660



Cable glands
From page 686



Replacement seals
phoenixcontact.net/products



Connector sets
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

Size B24, metal, sleeve housings for single locking latch



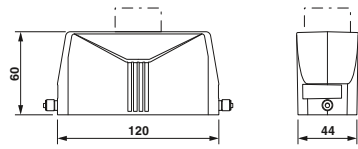
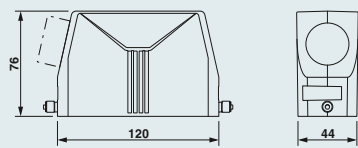
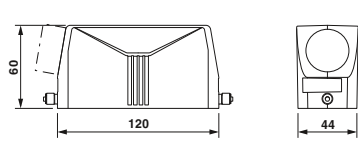
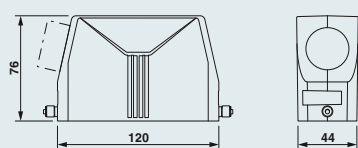
General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
-
-
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 60 mm 	1x M25 1x M32 1x Pg16 1x Pg21 1x Pg29	Cable outlet: top			
		HC-STA-B24-HLFS-1TTM25-EL-AL	1412788	1	
		HC-STA-B24-HLFS-1TTM32-EL-AL	1412789	1	
		HC-STA-B24-HLFS-1TTP16-EL-AL	1412790	1	
		HC-STA-B24-HLFS-1TTP21-EL-AL	1412791	1	
		HC-STA-B24-HLFS-1TTP29-EL-AL	1412792	1	
		without bore hole			
Sleeve housing Height: 76 mm 	1x M32 1x M40 1x Pg21 1x Pg29	Cable outlet: top			
		HC-STA-B24-HHFS-1TTM32-EL-AL	1412761	1	
		HC-STA-B24-HHFS-1TTM40-EL-AL	1412098	1	
		HC-STA-B24-HHFS-1TTP21-EL-AL	1412762	1	
		HC-STA-B24-HHFS-1TTP29-EL-AL	1412763	1	
		without bore hole			
		HC-STA-B24-HHFS-BLANK-EL-AL	1419957	1	
Sleeve housing Height: 60 mm 	1x M25 1x M32 1x Pg16 1x Pg21	Cable outlet: lateral			
		HC-STA-B24-HLFS-1STM25-EL-AL	1412783	1	
		HC-STA-B24-HLFS-1STM32-EL-AL	1412784	1	
		HC-STA-B24-HLFS-1STP16-EL-AL	1412785	1	
		HC-STA-B24-HLFS-1STP21-EL-AL	1412786	1	
		without bore hole			
		HC-STA-B24-HLFS-BLANK-EL-AL	1419937	1	
Sleeve housing Height: 76 mm 	1x M32 1x M40 1x Pg21 1x Pg29	Cable outlet: lateral			
		HC-STA-B24-HHFS-1STM32-EL-AL	1412757	1	
		HC-STA-B24-HHFS-1STM40-EL-AL	1412758	1	
		HC-STA-B24-HHFS-1STP21-EL-AL	1412759	1	
		HC-STA-B24-HHFS-1STP29-EL-AL	1412760	1	
		without bore hole			
		HC-STA-B24-HHFS-BLANK-EL-AL	1419957	1	

Notes:

For further accessories, see from page 658

Marking label: US-EMLP-HA (20X9), Order No. 0830989

Accessories



Cable glands
From page 686



Protective covers
From page 654



Cover plates
From page 664



Connector sets
From page 647

Size B24, metal, supporting base elements with single locking latch



General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Panel mounting base Height: 30.5 mm		Without cover HC-STA-B24-BWS-ELC-AL With cover HC-STA-B24-BWSC-ELC-AL	1411329 1411330	1 1	
Box mounting base¹⁾ Height: 68 mm	2x M25 2x M32 2x Pg21	Without cover HC-STA-B24-SLWS-2SSM25-ELC-AL HC-STA-B24-SLWS-2SSM32-ELC-AL HC-STA-B24-SLWS-2SSP21-ELC-AL With cover HC-STA-B24-SLWSC-2SSM25-ELC-AL HC-STA-B24-SLWSC-2SSM32-ELC-AL HC-STA-B24-SLWSC-2SSP21-ELC-AL	1412877 1412878 1412879 1412881 1412882 1412883	1 1 1 1 1 1	
Box mounting base¹⁾ Height: 84.7 mm	2x M25 2x M32 2x M40 2x M25 2x M32 2x M40	HC-STA-B24-SHWS-2SSM25-ELC-AL HC-STA-B24-SHWS-2SSM32-ELC-AL HC-STA-B24-SHWS-2SSM40-ELC-AL With cover HC-STA-B24-SHWSC-2SSM25-ELC-AL HC-STA-B24-SHWSC-2SSM32-ELC-AL HC-STA-B24-SHWSC-2SSM40-ELC-AL	1085185 1082592 1082593 1082595 1082596 1082597	1 1 1 1 1 1	
Coupling housing Height: 79 mm	1x M32 1x M40 1x Pg21 1x Pg29	Cable outlet: top HC-STA-B24-CHWS-1TTM32-ELC-AL HC-STA-B24-CHWS-1TTM40-ELC-AL HC-STA-B24-CHWS-1TTP21-ELC-AL HC-STA-B24-CHWS-1TTP29-ELC-AL	1412746 1412747 1412748 1412749	1 1 1 1	

Notes:

For further accessories, see from page 658

¹⁾ Supplied with a plastic sealing cap

Accessories



Cable glands
From page 686



Replacement seals
phoenixcontact.net/products



Replacement protective covers
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

**Size B24, plastic,
EVO housings,
double locking latch**

General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

PA
PA
NBR
IP66
12
-40°C ... 125°C



Ordering data

Description Thread

Sleeve housing
Height: 63 mm



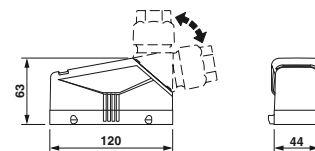
Type Order No. Pcs./Pkt.

HC-EVO-B24-HLFD-PLBK

1420935

1

Dimensions



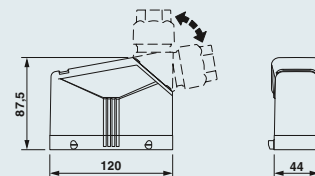
Sleeve housing
Height: 87.5 mm



HC-EVO-B24-HHFD-PLBK

1407657

1



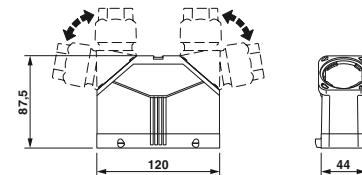
Double sleeve housing
Height: 87.5 mm



for double locking latch
HC-EVO-B24-HHFD-2B-PL-BK

1411497

1



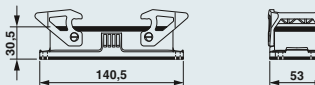
Panel mounting base
Height: 30.5 mm



Without cover
HC-EVO-B24-BWD-PLRBK

1407661

1



Box mounting base¹⁾
Height: 84 mm

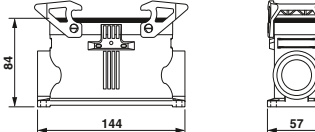


2x M25
2x M32
2x M40

Without cover
HC-EVO-B24-SHWD-2SSM25-PLRBK
HC-EVO-B24-SHWD-2SSM32-PLRBK
HC-EVO-B24-SHWD-2SSM40-PLRBK

1421461
1421370
1407665

1
1
1



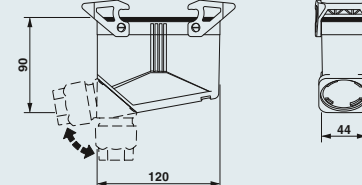
Coupling housing
Height: 90 mm



HC-EVO-B24-CHWD-PLRBK

1407668

1



Notes:

For further accessories, see from page 654
Marking label: US-EMP (20X9) Order No. [0829439](#)
For coupling housings, visit phoenixcontact.net/products
¹⁾ One cable entry is sealed with a knockout cover

Accessories



Cable glands
From page 658



Thread adapters
From page 659



Replacement seals
phoenixcontact.net/products



Connector sets
From page 646

**Size B24, metal,
EVO housings,
double locking latch**



Technical data

General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 88 mm		HC-EVO-B24-HHFD-EL-AL	1411472	1	
Panel mounting base Height: 30.5 mm		Without cover HC-STA-B24-BWD-ELC-AL	1411331	1	
Box mounting base¹⁾ Height: 68 mm	2x M25 2x M32 2x Pg21	Without cover HC-STA-B24-SLWD-2SSM25-ELC-AL HC-STA-B24-SLWD-2SSM32-ELC-AL HC-STA-B24-SLWD-2SSP21-ELC-AL	1412873 1412874 1412875	1 1 1	
Box mounting base¹⁾ Height: 84.7 mm	2x M25 2x M32 2x M40	Without cover HC-STA-B24-SHWD-2SSM25-ELC-AL HC-STA-B24-SHWD-2SSM32-ELC-AL HC-STA-B24-SHWD-2SSM40-ELC-AL	1082603 1082604 1082605	1 1 1	
Coupling housing Height: 77 mm	1x M32 1x M40 1x Pg21 1x Pg29	Cable outlet: top HC-STA-B24-CHWD-1TTM32-ELC-AL HC-STA-B24-CHWD-1TTM40-ELC-AL HC-STA-B24-CHWD-1TTP21-ELC-AL HC-STA-B24-CHWD-1TTP29-ELC-AL	1412742 1412743 1412744 1412745	1 1 1 1	

Notes:

For further accessories, see from page 658

Marking label: US-EMLP-HA (20X9), Order No. 0830989

¹⁾ Supplied with a plastic sealing cap

Accessories



Cable glands
From page 660



Cable glands
From page 686



Replacement seals
phoenixcontact.net/products



Connector sets
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

Size B24, metal, sleeve housings for double locking latch

new



General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
-
-
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 60 mm	1x M25 1x M32 1x Pg16 1x Pg21 1x Pg29	Cable outlet: top HC-STA-B24-HLFD-1TTM25-EL-AL HC-STA-B24-HLFD-1TTM32-EL-AL HC-STA-B24-HLFD-1TTP16-EL-AL HC-STA-B24-HLFD-1TTP21-EL-AL HC-STA-B24-HLFD-1TTP29-EL-AL without bore hole HC-STA-B24-HLFD-BLANK-EL-AL	1412778 1412779 1412780 1412781 1412782 1420010	1 1 1 1 1 1	
Sleeve housing Height: 76 mm	1x M32 1x M40 1x Pg21 1x Pg29	Cable outlet: top HC-STA-B24-HHFD-1TTM32-EL-AL HC-STA-B24-HHFD-1TTM40-EL-AL HC-STA-B24-HHFD-1TTP21-EL-AL HC-STA-B24-HHFD-1TTP29-EL-AL without bore hole HC-STA-B24-HHFD-BLANK-EL-AL	1412754 1412099 1412755 1412756 1420011	1 1 1 1 1	
Sleeve housing Height: 110.8 mm	1x M50	Cable outlet: top HC-STA-B24-HHFD-1TTM50-EL-AL	1082554	1	
Sleeve housing Height: 60 mm	1x M25 1x M32 1x Pg16 1x Pg21	Cable outlet: lateral HC-STA-B24-HLFD-1STM25-EL-AL HC-STA-B24-HLFD-1STM32-EL-AL HC-STA-B24-HLFD-1STP16-EL-AL HC-STA-B24-HLFD-1STP21-EL-AL without bore hole HC-STA-B24-HLFD-BLANK-EL-AL	1412773 1412774 1412775 1412776 1420010	1 1 1 1 1	
Sleeve housing Height: 76 mm	1x M32 1x M40 1x Pg21 1x Pg29	Cable outlet: lateral HC-STA-B24-HHFD-1STM32-EL-AL HC-STA-B24-HHFD-1STM40-EL-AL HC-STA-B24-HHFD-1STP21-EL-AL HC-STA-B24-HHFD-1STP29-EL-AL without bore hole HC-STA-B24-HHFD-BLANK-EL-AL	1412750 1412751 1412752 1412753 1420011	1 1 1 1 1	
Sleeve housing Height: 110.8 mm	1x M50	Cable outlet: lateral HC-STA-B24-HHFD-1STM50-EL-AL	1082553	1	

Notes:

For further accessories, see from page 658

Marking label: US-EMLP-HA (20X9), Order No. 0830989

Accessories



Cable glands
From page 686



Protective covers
From page 654



Cover plates
From page 664



Connector sets
From page 647

Size B24, metal, base elements with double locking latch



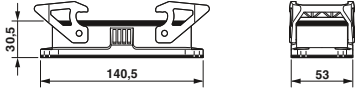
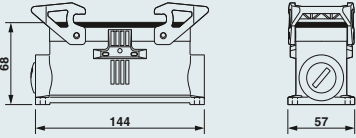
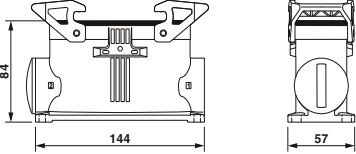
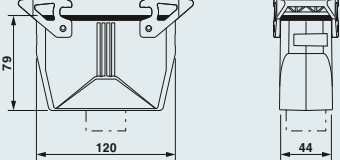
General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Panel mounting base Height: 30.5 mm 		Without cover HC-STA-B24-BWD-ELC-AL	1411331	1	
Box mounting base¹⁾ Height: 68 mm 	2x M25 2x M32 2x Pg21	Without cover HC-STA-B24-SLWD-2SSM25-ELC-AL HC-STA-B24-SLWD-2SSM32-ELC-AL HC-STA-B24-SLWD-2SSP21-ELC-AL	1412873 1412874 1412875	1 1 1	
Box mounting base¹⁾ Height: 84.7 mm 	2x M25 2x M32 2x M40	Without cover HC-STA-B24-SHWD-2SSM25-ELC-AL HC-STA-B24-SHWD-2SSM32-ELC-AL HC-STA-B24-SHWD-2SSM40-ELC-AL	1082603 1082604 1082605	1 1 1	
Coupling housing Height: 77 mm 	1x M32 1x M40 1x Pg21 1x Pg29	Cable outlet: top HC-STA-B24-CHWD-1TTM32-ELC-AL HC-STA-B24-CHWD-1TTM40-ELC-AL HC-STA-B24-CHWD-1TTP21-ELC-AL HC-STA-B24-CHWD-1TTP29-ELC-AL	1412742 1412743 1412744 1412745	1 1 1 1	

Notes:

For further accessories, see from page 658

¹⁾ Supplied with a plastic sealing cap

Accessories



Cable glands
From page 686



Replacement seals
phoenixcontact.net/products



Replacement protective covers
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

Size B24, plastic, EVO housings, double locking latch

General data

Housing material	PA
Locking latch material	PA
Sealing material	NBR
IP degree of protection (when plugged in)	IP66
NEMA degree of protection (when plugged in)	12
Ambient temperature (operation)	-40°C ... 125°C

Technical data

Ordering data



Description	Thread
-------------	--------

Sleeve housing
Height: 63 mm



Sleeve housing
Height: 87.5 mm



Panel mounting base
Height: 30.5 mm



Box mounting base¹⁾
Height: 84 mm



2x M25
2x M32
2x M40

Type	Order No.	Pcs./Pkt.
------	-----------	-----------

HC-EVO-B24-HLWD-PLBK

1420936

1

HC-EVO-B24-HHWD-PLBK

1407658

1

With cover
HC-EVO-B24-BFDC-PLRBK

1407662

1

With cover
HC-EVO-B24-SHFDC-2SSM25-PLRBK
HC-EVO-B24-SHFDC-2SSM32-PLRBK
HC-EVO-B24-SHFDC-2SSM40-PLRBK

1421462

1421380

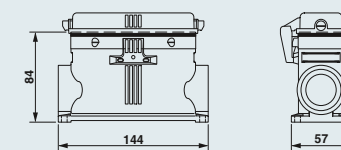
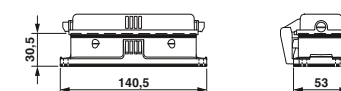
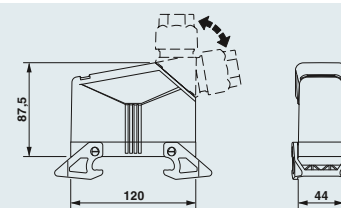
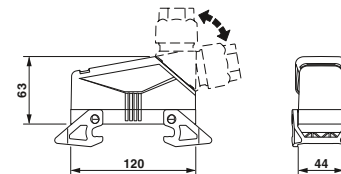
1407666

1

1

1

Dimensions



Cable gland



Clamping area

7 mm ... 13 mm
9 mm ... 17 mm
11 mm ... 21 mm
19 mm ... 28 mm

HC-B-G-M20-PLRBK
HC-B-G-M25-PLRBK
HC-B-G-M32-PLRBK
HC-B-G-M40-PLRBK

1407669

1407670

1407671

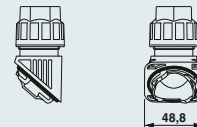
1407672

1

1

1

1



Notes:

For further accessories, see from page 654

Marking label: US-EMP (20X9) Order No. [0829439](#)

For coupling housings, visit phoenixcontact.net/products

¹⁾ One cable entry is sealed with a knockout cover

Accessories



EVO unlocking tools
From page 659



Thread adapters
From page 659



Replacement seals
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

Size B24, metal, EVO housings, double locking latch

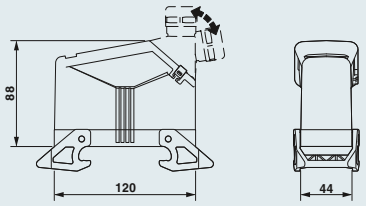
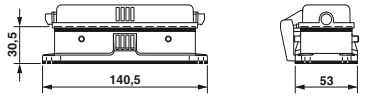
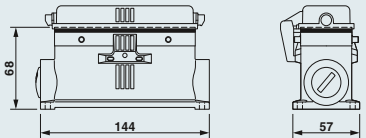
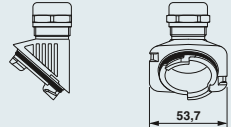


Technical data

General data

Housing material	Die-cast aluminum, salt water resistant
Locking latch material	Polyamide
Sealing material	NBR, conductive
IP degree of protection (when plugged in)	IP66 / IP67
NEMA degree of protection (when plugged in)	4 / 4X / 12
Ambient temperature (operation)	-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 88 mm 		HC-EVO-B24-HHWD-EL-AL	1411474	1	
Panel mounting base Height: 30.5 mm 		With cover HC-STA-B24-BFDC-ELC-AL	1411332	1	
Box mounting base¹⁾ Height: 68 mm 	2x M25 2x M32 2x Pg21	With cover HC-STA-B24-SLFDC-2SSM25-ELC-AL HC-STA-B24-SLFDC-2SSM32-ELC-AL HC-STA-B24-SLFDC-2SSP21-ELC-AL	1412869 1412870 1412871	1 1 1	
Cable gland 	Clamping area 9 mm ... 13 mm 11 mm ... 16 mm 14 mm ... 21 mm 19 mm ... 27 mm	HC-B-G-M20-EC-AL HC-B-G-M25-EC-AL HC-B-G-M32-EC-AL HC-B-G-M40-EC-AL	1411439 1411446 1411440 1411441	1 1 1 1	

Notes:

For further accessories, see from page 658

Marking label: US-EMLP-HA (20X9), Order No. 0830989

¹⁾ Supplied with a plastic sealing cap

Accessories



Thread adapters
From page 660



EMC cable glands
From page 660



Replacement seals
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

Size B24, metal, sleeve housings with double locking latch



General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
-
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description Thread

Sleeve housing
Height: 60 mm



1x M25
1x M32

1x Pg16
1x Pg21
1x Pg29

Type

Cable outlet: top
HC-STA-B24-HLWD-1TTM25-EL-AL
HC-STA-B24-HLWD-1TTM32-EL-AL
HC-STA-B24-HLWD-1TTP16-EL-AL
HC-STA-B24-HLWD-1TTP21-EL-AL
HC-STA-B24-HLWD-1TTP29-EL-AL
without bore hole
HC-STA-B24-HLWD-BLANK-EL-AL

Order No.

1412799
1412800
1412801
1412802
1412803

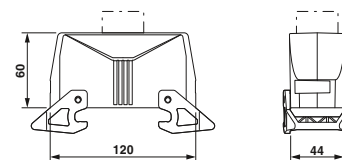
1420046

Pcs./Pkt.

1
1
1
1
1

1

Dimensions



Sleeve housing
Height: 76 mm



1x M32
1x M40

1x Pg21
1x Pg29

Type

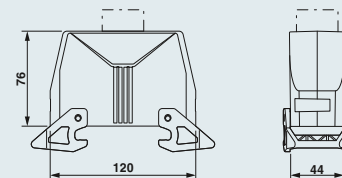
Cable outlet: top
HC-STA-B24-HHWD-1TTM32-EL-AL
HC-STA-B24-HHWD-1TTM40-EL-AL
HC-STA-B24-HHWD-1TTP21-EL-AL
HC-STA-B24-HHWD-1TTP29-EL-AL
without bore hole
HC-STA-B24-HHWD-BLANK-EL-AL

1412769
1412770
1412771
1412772

1420047

1
1
1
1

1



Sleeve housing
Height: 60 mm



1x M25
1x M32

1x Pg16
1x Pg21

Type

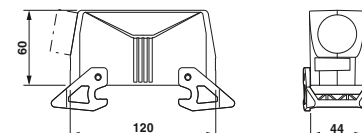
Cable outlet: lateral
HC-STA-B24-HLWD-1STM25-EL-AL
HC-STA-B24-HLWD-1STM32-EL-AL
HC-STA-B24-HLWD-1STP16-EL-AL
HC-STA-B24-HLWD-1STP21-EL-AL
without bore hole
HC-STA-B24-HLWD-BLANK-EL-AL

1412793
1412795
1412796
1412797

1420046

1
1
1
1

1



Sleeve housing
Height: 76 mm



1x M32
1x M40

1x Pg21
1x Pg29

Type

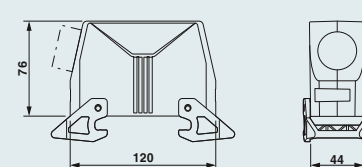
Cable outlet: lateral
HC-STA-B24-HHWD-1STM32-EL-AL
HC-STA-B24-HHWD-1STM40-EL-AL
HC-STA-B24-HHWD-1STP21-EL-AL
HC-STA-B24-HHWD-1STP29-EL-AL
without bore hole
HC-STA-B24-HHWD-BLANK-EL-AL

1412764
1412766
1412767
1412768

1420047

1
1
1
1

1



Notes:

For further accessories, see from page 658
Marking label: US-EMLP-HA (20X9), Order No. 0830989

Accessories



Cable glands
From page 686



Protective covers
From page 654



Replacement latches
phoenixcontact.net/products

Size B24, metal, supporting base elements for double locking latch



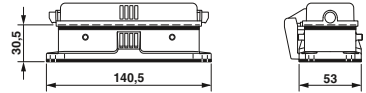
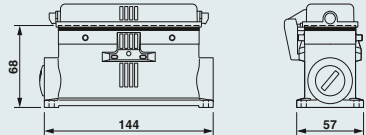
General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR, conductive
IP66 / IP67
4 / 4X / 12
-40°C ... 125°C

Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Panel mounting base Height: 30.5 mm 		With cover HC-STA-B24-BFDC-ELC-AL	1411332	1	
Box mounting base¹⁾ Height: 68 mm 	2x M25 2x M32 2x Pg21	With cover HC-STA-B24-SLFDC-2SSM25-ELC-AL HC-STA-B24-SLFDC-2SSM32-ELC-AL HC-STA-B24-SLFDC-2SSP21-ELC-AL	1412869 1412870 1412871	1 1 1	

Notes:

For further accessories, see from page 658

¹⁾ Supplied with a plastic sealing cap

Accessories



Cable glands
From page 686



Replacement seals
phoenixcontact.net/products



Replacement protective covers
phoenixcontact.net/products



Cover plates
From page 664

Heavy-duty connectors

HEAVYCON B – housings

**Size B32, metal,
housings, double locking latch**

new

General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
Polyamide
NBR, conductive
IP66 / IP67
-40°C ... 125°C



Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 94 mm	1x M32 1x M40 1x M50 1x Pg29 1x Pg36 1x Pg42	Cable outlet: top HC-STA-B32-HHFD-1TTM32-EL-AL HC-STA-B32-HHFD-1TTM40-EL-AL HC-STA-B32-HHFD-1TTM50-EL-AL HC-STA-B32-HHFD-1TTP29-EL-AL HC-STA-B32-HHFD-1TTP36-EL-AL HC-STA-B32-HHFD-1TTP42-EL-AL	1424830 1424831 1424832 1424827 1424828 1424829	1 1 1 1 1 1	
Sleeve housing Height: 94 mm	1x M32 1x M40 1x M50 1x Pg29 1x Pg36 1x Pg42	Cable outlet: lateral HC-STA-B32-HHFD-1STM32-EL-AL HC-STA-B32-HHFD-1STM40-EL-AL HC-STA-B32-HHFD-1STM50-EL-AL HC-STA-B32-HHFD-1STP29-EL-AL HC-STA-B32-HHFD-1STP36-EL-AL HC-STA-B32-HHFD-1STP42-EL-AL	1424836 1424837 1424838 1424833 1424834 1424835	1 1 1 1 1 1	
Panel mounting base Height: 32.4 mm		Without cover HC-STA-B32-BWD-ELC-AL	1424845	1	
Box mounting base¹⁾ Height: 90 mm	2x M32 2x M40 2x Pg29 2x Pg36	Without cover HC-STA-B32-SHWD-2SSM32-ELC-AL HC-STA-B32-SHWD-2SSM40-ELC-AL HC-STA-B32-SHWD-2SSP29-ELC-AL HC-STA-B32-SHWD-2SSP36-ELC-AL	1424848 1424849 1424846 1424847	1 1 1 1	
Coupling housing Height: 99.8 mm	1x M32 1x M40 1x M50 1x Pg29 1x Pg36 1x Pg42	Cable outlet: top HC-STA-B32-CHWD-1TTM32-ELC-AL HC-STA-B32-CHWD-1TTM40-ELC-AL HC-STA-B32-CHWD-1TTM50-ELC-AL HC-STA-B32-CHWD-1TTP29-ELC-AL HC-STA-B32-CHWD-1TTP36-ELC-AL HC-STA-B32-CHWD-1TTP42-ELC-AL	1424842 1424843 1424844 1424839 1424840 1424841	1 1 1 1 1 1	

Notes:

For further accessories, see from page 654

¹⁾ Supplied with a plastic sealing cap

Accessories



Cable glands
From page 686



Replacement seals
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

Size B48, metal,
housings, single locking latch

General data

Housing material
Locking latch material
Sealing material
IP degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
Polyamide
NBR, conductive
IP66 / IP67
-40°C ... 125°C



Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 107.5 mm	1x M32 1x M40 1x M50 1x Pg29 1x Pg36 1x Pg42	Cable outlet: top HC-STA-B48-HHFS-1TTM32-EM-AL HC-STA-B48-HHFS-1TTM40-EM-AL HC-STA-B48-HHFS-1TTM50-EM-AL HC-STA-B48-HHFS-1TTP29-EM-AL HC-STA-B48-HHFS-1TTP36-EM-AL HC-STA-B48-HHFS-1TTP42-EM-AL	1424854 1424855 1424856 1424851 1424852 1424853	1 1 1 1 1 1	
Sleeve housing Height: 107.5 mm	1x M32 1x M40 1x M50 1x Pg29 1x Pg36 1x Pg42	Cable outlet: lateral HC-STA-B48-HHFS-1STM32-EM-AL HC-STA-B48-HHFS-1STM40-EM-AL HC-STA-B48-HHFS-1STM50-EM-AL HC-STA-B48-HHFS-1STP29-EM-AL HC-STA-B48-HHFS-1STP36-EM-AL HC-STA-B48-HHFS-1STP42-EM-AL	1424860 1424861 1424862 1424857 1424858 1424859	1 1 1 1 1 1	
Panel mounting base Height: 39.4 mm		Without cover HC-STA-B48-BWS-EMC-AL With cover HC-STA-B48-BWSC-EMC-AL	1424863 1424864	1 1	
Box mounting base¹) Height: 99 mm	2x M32 2x M40 2x Pg29 2x Pg36	Without cover HC-STA-B48-SHWS-2SSM32-EMC-AL HC-STA-B48-SHWS-2SSM40-EMC-AL HC-STA-B48-SHWS-2SSP29-EMC-AL HC-STA-B48-SHWS-2SSP36-EMC-AL	1424867 1424868 1424865 1424866	1 1 1 1	
Box mounting base¹) Height: 99 mm	2x M32 2x M40 2x Pg29 2x Pg36	With cover HC-STA-B48-SHWSC-2SSM32-EMC-AL HC-STA-B48-SHWSC-2SSM40-EMC-AL HC-STA-B48-SHWSC-2SSP29-EMC-AL HC-STA-B48-SHWSC-2SSP36-EMC-AL	1424873 1424874 1424869 1424872	1 1 1 1	

Notes:

For further accessories, see from page 654

¹) Supplied with a plastic sealing cap

Accessories



Cable glands
From page 686



Replacement seals
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON B – housings

Connector sets, EVO housings, plastic, Push-in connection

General data

Housing material
Sealing material
Inflammability class in acc. with UL 94
Insertion/withdrawal cycles
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

PA
NBR
V0
≥ 500
IP66
12
-40°C ... 125°C

Ordering data



Description	Pos.	Size	Type	Order No.	Pcs./Pkt.	Dimensions
Connector set						
	6	B6	Single locking latch, with cover HC-EVO-B06PT-BWSC-HL-M20-PLRBK	1407710	1	
Connector set						
	10	B10	Single locking latch, with cover HC-EVO-B10PT-BWSC-HL-M25-PLRBK	1408791	1	
	10	B10	Double locking latch, without cover HC-EVO-B10PT-BWD-HL-M25-PLRBK	1407711	1	
Connector set						
	16	B16	Single locking latch, with cover HC-EVO-B16PT-BWSC-HH-M25-PLRBK	1408793	1	
	16	B16	Double locking latch, without cover HC-EVO-B16PT-BWD-HH-M25-PLRBK	1407712	1	
Connector set						
	24	B24	Single locking latch, with cover HC-EVO-B24PT-BWSC-HH-M32-PLRBK	1408794	1	
	24	B24	Double locking latch, without cover HC-EVO-B24PT-BWD-HH-M32-PLRBK	1407713	1	

Notes:

For further accessories, see from page 654
Only operate connectors when there is no load/the power is switched off
For assembly instructions, see phoenixcontact.net/products
Connector sets: phoenixcontact.net/webcode/#0523

Accessories



EVO unlocking tools
From page 659



Replacement latches
phoenixcontact.net/products



Replacement seals
phoenixcontact.net/products

Connector sets, STANDARD housings, metal, Push-in connection



General data

Housing material
Sealing material
Inflammability class in acc. with UL 94
Insertion/withdrawal cycles
IP degree of protection (when plugged in)
NEMA degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
NBR
V0
≥ 500
IP66 / IP67
-
-40°C ... 125°C

Ordering data

Description	Pos.	Size	Type	Order No.	Pcs./Pkt.	Dimensions
Connector set, with single locking latch						
	6	B6	Cable outlet: top, with cover HC-STA-B06PT-BWSC-LT-M20-ELCAL	1416344	1	
	6	B6	Cable outlet: to the side, with cover HC-STA-B06PT-BWSC-LS-M20-ELCAL	1416353	1	
Connector set, with double locking latch						
	10	B10	Cable outlet: top, without cover HC-STA-B10PT-BWD-LT-M25-ELCAL	1416346	1	
	10	B10	Cable outlet: to the side, without cover HC-STA-B10PT-BWD-LS-M25-ELCAL	1416355	1	
Connector set, with double locking latch						
	16	B16	Cable outlet: top, without cover HC-STA-B16PT-BWD-LT-M25-ELCAL	1416349	1	
	16	B16	Cable outlet: to the side, without cover HC-STA-B16PT-BWD-LS-M25-ELCAL	1416357	1	
Connector set, with double locking latch						
	24	B24	Cable outlet: top, without cover HC-STA-B24PT-BWD-LT-M32-ELCAL	1416352	1	
	24	B24	Cable outlet: to the side, without cover HC-STA-B24PT-BWD-LS-M32-ELCAL	1416359	1	

Notes:

For further accessories, see from page 654

Only operate connectors when there is no load/the power is switched off

For assembly instructions, see phoenixcontact.net/products

Connector sets: phoenixcontact.net/webcode/#0523

Accessories



Replacement latches
phoenixcontact.net/products



Replacement seals
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON Compact – contact inserts

Compact series

Connection technology:

- Push-in connection
- Axial screw connection

To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:

For accessories, see from page 654

Only operate connectors when there is no load/the power is switched off

new

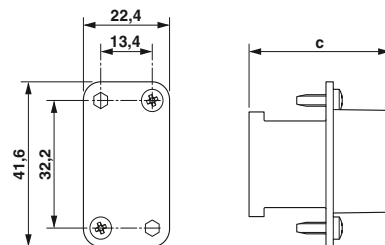


	Technical data						
Type	① HC-COM-Q08-I-PT-...			② HC-COM-Q4/2-I-AT-...			
	Power contacts		Control contacts	Power contacts			
Approvals	-						
IEC data							
Rated current	[A]	-	-	-	-		
Overvoltage category			III		III		
Degree of pollution			3		3		
Rated voltage (III/3) contacts	[V]	-	-	-	-		
Rated surge voltage, contacts	[kV]	-	-	-	-		
Connection cross section	[mm²]	-	-	-	-		
UL data							
Rated voltage	[V]	-	-	-	-		
Rated current	[A]	-	-	-	-		
Connection cross section	AWG	-	-	-	-		
CSA / cUL data							
Rated voltage	[V]	-	-	-	-		
Rated current	[A]	-	-	-	-		
Connection cross section	AWG	-	-	-	-		
Material data							
Contact carrier material	PC			PC			
Inflammability class in acc. with UL 94	V0			V0			
Contact material	Copper alloy			Copper alloy			
Contact surface material	-	-		Ag	Ag (alternatively Au)		
Temperature data							
Ambient temperature range	[°C]	-40 ... 125		-40 ... 125			
General data							
Connection method		-	-	-	-		
Stripping length	[mm]	-	-	-	-		
Number of positions		8	0	4	2		
Contact numbering		-	-	-	-		
Insertion/withdrawal cycles		≥ 500		≥ 500			

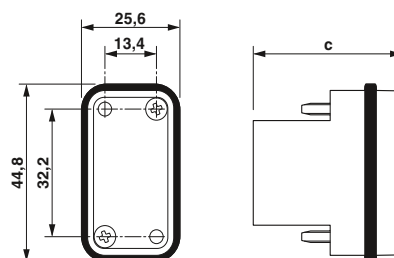
Dimensions (in mm)



Axial screw connection



Dimensional drawing: female



Dimensional drawing: male

	a	b	c	d
① Female Male	45		48.05	
② Female Male	42		48	

Dummy sockets
From page 657

Heavy-duty connectors

HEAVYCON Compact – contact inserts

Compact series

Connection technology:
– Crimp connection

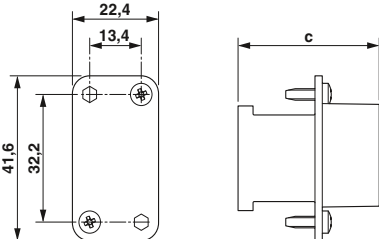
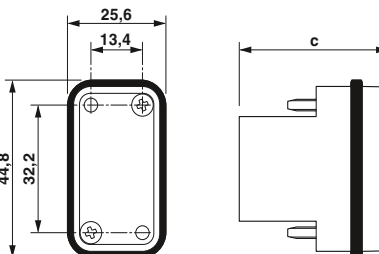
To determine the corresponding housing, see the system cross-reference list on page 502.

Notes:
For accessories, see from page 654
Only operate connectors when there is no load/the power is switched off

new



Type	Technical data			
	① HC-COM-Q08-I-CT-...		② HC-COM-Q4/2-I-CT-...	
	Power contacts	Control contacts	Power contacts	Control contacts
Approvals	-		-	
IEC data				
Rated current	[A]	-	-	-
Overvoltage category		III		III
Degree of pollution		3		3
Rated voltage (III/3) contacts	[V]	-	-	-
Rated surge voltage, contacts	[kV]	-	-	-
Connection cross section	[mm²]	-	-	-
UL data				
Rated voltage	[V]	-	-	-
Rated current	[A]	-	-	-
Connection cross section	AWG	-	-	-
CSA / cUL data				
Rated voltage	[V]	-	-	-
Rated current	[A]	-	-	-
Connection cross section	AWG	-	-	-
Material data				
Contact carrier material	PC		PC	
Inflammability class in acc. with UL 94	V0		V0	
Contact material	Copper alloy		Copper alloy	
Contact surface material	-	-	Ag	Ag (alternatively Au)
Temperature data				
Ambient temperature range	[°C]	-40 ... 125	-40 ... 125	
General data				
Connection method	-	-	-	-
Stripping length	[mm]	-	-	-
Number of positions	8	0	4	2
Contact numbering	-	-	-	-
Insertion/withdrawal cycles	≥ 500		≥ 500	

				Ordering data																																
Description	Pos.	Number	Size	Type	Order No.		Pcs./Pkt.	Dimensions (in mm)																												
					Female	Male																														
Crimp connection																																				
	8	1 - 8	COM	① HC-COM-Q08-I-CT-...	1079548	1079547	1																													
Crimp connection																																				
	4 / 2	1 - 4	COM	② HC-COM-Q4/2-I-CT-...	1079555	1079556	1																													
Turned crimp contacts CK 1,6 Silver-plated			Cross section mm² / AWG 0.14 - 0.37 / 26 - 22 0.5 - 0.5 / 20 0.75 - 0.75 / 18 0.75 - 1 / 18 1.5 - 1.5 / 16 2.5 - 2.5 / 14	CK1,6-ED-0,37... AG CK1,6-ED-0,50... AG CK1,6-ED-0,75... AG CK1,6-ED-1,00... AG CK1,6-ED-1,50... AG CK1,6-ED-2,50... AG	1663394 1663404 1663417 1663420 1663433 1663446	1663336 1663349 1663352 1663365 1663378 1663381	100 100 100 100 100 100	<table><tr><td></td><td>a</td><td>b</td><td>c</td><td>d</td></tr><tr><td>① Female</td><td>45</td><td></td><td>48.05</td><td></td></tr><tr><td>① Male</td><td></td><td></td><td></td><td></td></tr><tr><td>② Female</td><td>42</td><td></td><td>48</td><td></td></tr><tr><td>② Male</td><td></td><td></td><td></td><td></td></tr></table>					a	b	c	d	① Female	45		48.05		① Male					② Female	42		48		② Male				
	a	b	c	d																																
① Female	45		48.05																																	
① Male																																				
② Female	42		48																																	
② Male																																				
Turned crimp contacts CK 2,5 Silver-plated			Cross section mm² / AWG 0.5 - 0.5 / 20 0.75 - 0.75 / 18 0.75 - 1 / 18 1.5 - 1.5 / 16 2.5 - 2.5 / 14 4 - 4 / 12	CK2,5-ED-0,50... AG CK2,5-ED-0,75... AG CK2,5-ED-1,00... AG CK2,5-ED-1,50... AG CK2,5-ED-2,50... AG CK2,5-ED-4,00... AG	1663640 1663653 1663666 1663679 1663682 1663705	1663572 1663585 1663598 1663608 1663611 1663637	100 100 100 100 100 100																													
Turned crimp contacts CK 4,0 Silver-plated			Cross section mm² / AWG 1.5 - 1.5 / 16 2.5 - 2.5 / 14 4 - 4 / 12 6 - 6 / 10	CK4,0-ED-1,50... AG CK4,0-ED-2,50... AG CK4,0-ED-4,00... AG CK4,0-ED-6,00... AG	1663271 1663284 1663297 1663307	1663239 1663242 1663255 1663268	25 25 25 25																													

Accessories



Dummy sockets
From page 657



Crimping tools
From page 670



Crimp contacts, gold-plated
From page 666

Heavy-duty connectors

HEAVYCON Compact – housings

Compact series, plastic housings

new

General data

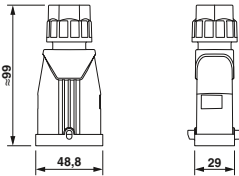
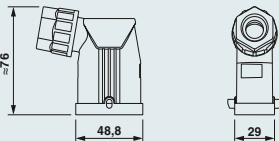
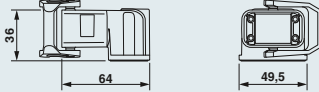
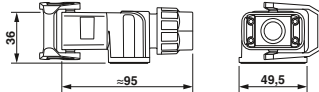
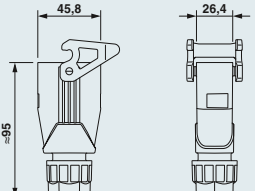
Housing material
Lock material
Sealing material
IP degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

PC
PA
NBR
IP65 / IP66
-40°C ... 125°C



Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 84 mm 	1x M25	HC-COM-HHFS-1TGM25-PL-BK	1012520	1	
Sleeve housing Height: 84 mm 	1x M25	HC-COM-HHFS-1SGM25-PL-BK	1012581	1	
Panel mounting base Height: 18.5 mm 		HC-COM-BWS-PL-BK	1012538	1	
Panel mounting base Height: 41.7 mm 		HC-COM-BAWS-PL-BK	1012433	1	
Box mounting base Height: 68 mm 	1x M25	HC-COM-SHOWS-1SGM25-PL-BK	1079393	1	
Coupling housing Height: 68 mm 	1x M25	HC-COM-CHWS-1TGM25-PL-BK	1012521	1	

Notes:

For further accessories, see from page 654

Accessories



Replacement seals
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

Compact series,
metal housings

General data

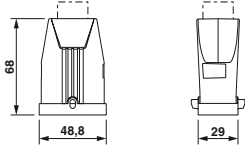
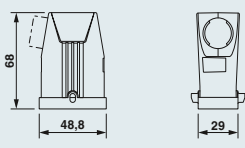
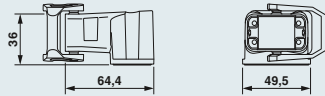
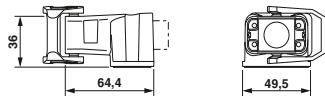
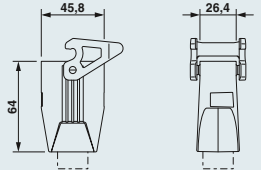
Housing material
Lock material
Sealing material
IP degree of protection (when plugged in)
Ambient temperature (operation)

Technical data

Die-cast aluminum, salt water resistant
PA
NBR
IP65 / IP66
-40°C ... 125°C



Ordering data

Description	Thread	Type	Order No.	Pcs./Pkt.	Dimensions
Sleeve housing Height: 68 mm 	1x M25	HC-COM-HHFS-1TTM25-EL-AL	1078590	1	
Sleeve housing Height: 68 mm 	1x M25	HC-COM-HHFS-1STM25-EL-AL	1078592	1	
Panel mounting base Height: 19.8 mm 		HC-COM-BWS-EL-AL	1078594	1	
Panel mounting base Height: 41.7 mm 		HC-COM-BAWS-EL-AL	1078593	1	
Box mounting base Height: 68 mm 	1x M25	HC-COM-SHOWS-1STM25-EL-AL	1078596	1	
Coupling housing Height: 68 mm 	1x M25	HC-COM-CHWS-1TTM25-EL-AL	1078595	1	

Notes:

For further accessories, see from page 654

Accessories



Cable glands
From page 686



Replacement seals
phoenixcontact.net/products



Replacement latches
phoenixcontact.net/products

Heavy-duty connectors

HEAVYCON accessories

Protective covers for sleeve housings of the D7 and B series

- For sleeve housing without locking latch
- With lanyard
- With seal



Protective cover
with single locking latch



Protective cover
with double locking latch

General data	
Material, protective cover	PA
Degree of protection	IP66
Ambient temperature (operation)	[-20 ... 100 °C]

Technical data	
Plastic, black	Metal
PA	Al
IP66	IP66
-20 ... 100	-40 ... 125

Technical data	
Plastic, black	Metal
PA	Al
IP66	IP66
-20 ... 100	-40 ... 125

Ordering data	
Order No.	Pcs./Pkt.
Plastic, black	
1419274	1
1419275	1
1414634	10
1414635	10
1414636	10
1414637	10

Ordering data	
Order No.	Pcs./Pkt.
Metal	
1644546	10
1584512	10
1584525	10
1584538	10

Ordering data	
Order No.	Pcs./Pkt.
Plastic, black	
1414638	10
1414639	10
1414640	10

Protective covers for sleeve housings B series

- For sleeve housing with locking latch
- With lanyard
- With seal



Protective cover
without double locking latch

General data	
Material, protective cover	PA
Degree of protection	IP66
Ambient temperature (operation)	[-20 ... 100 °C]

Technical data	
Plastic, black	Metal
PA	Al
IP66	IP66
-20 ... 100	-40 ... 125

Ordering data	
Order No.	Pcs./Pkt.
Plastic, black	
1414631	10
1414632	10
1414633	10

Ordering data	
Order No.	Pcs./Pkt.
Metal	
1647750	10
1647763	10
1647776	10

Protective covers for panel mounting bases of the D7, D and B series

- For panel mounting bases, box mounting bases, and coupling housings with locking latch
- With lanyard
- Without seal



Protective cover
without single locking latch



Protective cover
without double locking latch

General data
Material, protective cover
Degree of protection
Ambient temperature (operation) [°C]

Technical data	
Plastic, black	Metal
PA	Al
IP66	IP66
-20 ... 100	-40 ... 125

Description
Protective cover , for coupling housings:
D7, for female insert
D7, for male insert
D15
D25
D50
B6
B10
B16
B24
B32

Ordering data			
Order No.	Pcs./Pkt.	Order No.	Pcs./Pkt.
Plastic, black		Metal	
1419270	1		
1419271	1		
1424374	1		
1424401	1		
1414623	10	1644559	10
1414625	10	1644562	10
1414626	10	1644588	10
1414627	10	1644601	10

Technical data	
Plastic, black	Metal
PA	Al
IP66	IP66
-20 ... 100	-40 ... 125

Ordering data			
Order No.	Pcs./Pkt.	Order No.	Pcs./Pkt.
Plastic, black		Metal	
1424417	1		
1414628	10	1644575	10
1414629	10	1644591	10
1414630	10	1644614	10
1424850	1		

Protective covers for sleeve housings, panel mounting bases of the B series

- For sleeve housings, panel mounting bases, and coupling housings
- Color: transparent/white
- Without seal



Protective cover
with clip locking

General data
Material, protective cover
Degree of protection
Ambient temperature (operation) [°C]

Technical data	
PA	
IP20	
0 ... 20	

Description
Protective cover , for housing sizes:
B6
B10
B16
B24

Ordering data		
Type	Order No.	Pcs./Pkt.
HC-STA-B06-DC-PL	1421100	5
HC-STA-B10-DC-PL	1421101	5
HC-STA-B16-DC-PL	1421102	5
HC-STA-B24-DC-PL	1421103	5

Heavy-duty connectors

HEAVYCON accessories

Coding profiles

- Can be coded in seconds, thanks to the coding profiles



HC / HC-S coding profile



HS2/MOD-K coding profile

General data	
Material	PA
Description	
Coding profiles , for contact inserts in series:	
HC-B..., HC-B...A-UT..., HC-B...A-DT...	
HC-A10..., HC-A16..., HC-BB...	
Coding profiles , for contact inserts in series:	
HC-Q12...	
HC-A3..., HC-A4...	
HC-HS2-D7-E...S	

Technical data		
PA		
Ordering data		
Type	Order No.	Pcs./Pkt.
CP-HC	1686478	10
CP-HC-S	1410916	10

Technical data		
PA		
Ordering data		
Type	Order No.	Pcs./Pkt.
HC-Q 12-COD	1409435	10
HC-MOD-K-CP	1408562	1
HC-HS 2-CP	1586280	50

Coding bolts

- Prevent up to 6 plug-in connections from being mismatched

Notes:
For assembly instructions, see phoenixcontact.net/products



Coded bolts

General data	
Material	Steel, galvanized
Description	
Coding bolt , for contact inserts in series:	
HC-B...	

Technical data		
Steel, galvanized		
Ordering data		
Type	Order No.	Pcs./Pkt.
HC-CB	1772722	10

Guide pins, sockets

- Prevent up to 16 plug-in connections from being mismatched

Notes:

For assembly instructions, see phoenixcontact.net/products



Guide pin/guide socket

Technical data
General data

Material

Steel, galvanized

Ordering data
Description

Guide pin and guide socket, for coding to protect against mismatching and as a guide to prevent accidentally jamming the connector in at an angle

Guide pin

Guide socket

Type
Order No.
Pcs./Pkt.

HC-CST-MOD

1636127

10

HC-CBU-MOD

1636130

10

Dummy sockets

Prevent connectors of the same type from being mismatched. A dummy socket seals off a female contact. It is then no longer possible to insert a male contact in the same position as the dummy socket.

Notes:

For assembly instructions, see phoenixcontact.net/products



Dummy socket



Dummy socket

Technical data
General data

Material

PA

Ordering data
Description

Dummy sockets, for contact inserts with turned female contacts of type:

CK-2,5-ED...

CK-1,6-ED...

CK2,5-ED-BB

1584693

100

Technical data

Copper alloy

Ordering data
Type
Order No.
Pcs./Pkt.

CK1,6-ED-BB

1645888

50

Heavy-duty connectors

HEAVYCON accessories

Plastic cable glands and plastic thread adapters for EVO housings of the D and EVO-M1 series

Notes:

EVO unlocking tools for EVO plastic housing; see page 659



Plastic cable gland



Plastic thread adapter

Technical data

General data	
Material	PA
Ambient temperature (operation)	-40 ... 100 [°C]

Ordering data

Description	Thread type
Cable gland , for HEAVYCON EVO plastic housings of the D series and the EVO-M1 sleeve housing, for cable diameters:	
7 mm ... 13 mm	M20
9 mm ... 17 mm	M25
Thread adapter , for HEAVYCON EVO D series plastic housing	
	M25
	Pg16
	3/4 inch NPT

Type	Order No.	Pcs./Pkt.
HC-D-G-M20-PLRBK	1411350	1
HC-D-G-M25-PLRBK	1411351	1

Technical data

General data	
Material	PA
Ambient temperature (operation)	-40 ... 125

Ordering data

Type	Order No.	Pcs./Pkt.
HC-D-TA-M25-PLRBK	1411352	1
HC-D-TA-PG16-PLR-BK	1411353	1
HC-D-TA-NPT-3/4-PLR-BK	1411354	1

Plastic cable glands for EVO B series housings

Notes:

EVO unlocking tools for EVO plastic housing; see page 659



Plastic cable gland



Plastic cable gland

Technical data

General data	
Material	PA
Ambient temperature (operation)	-40 ... 100 [°C]

Ordering data

Description	Thread type
Cable gland , for HEAVYCON EVO B series plastic housing, for cable diameter:	
7 mm ... 13 mm	M20
9 mm ... 17 mm	M25
11 mm ... 21 mm	M32
19 mm ... 28 mm	M40
Cable gland , for B series HEAVYCON EVO plastic housing, with seal insert for cable diameter:	
without bore hole	M40
4x 10 mm	M40
5x 8.5 mm	M40
8x 6.5 mm	M40

Type	Order No.	Pcs./Pkt.
HC-B-G-M20-PLRBK	1407669	1
HC-B-G-M25-PLRBK	1407670	1
HC-B-G-M32-PLRBK	1407671	1
HC-B-G-M40-PLRBK	1407672	1

Technical data

General data	
Material	PA
Ambient temperature (operation)	-30 ... 100

Ordering data

Type	Order No.	Pcs./Pkt.
HC-B-GM0-M40-PLTBK	1414643	1
HC-B-GM4X10-M40-PLTBK	1414644	1
HC-B-GM5X8,5-M40-PLTBK	1414645	1
HC-B-GM8X6,5-M40-PLTBK	1414646	1

Plastic cable glands with bend protection and strain relief for B series EVO housings

Notes:

EVO unlocking tools for EVO plastic housing; see page 659



Plastic cable gland with bend protection



Plastic cable gland with strain relief

Technical data

General data	
Material	PA
Ambient temperature (operation)	-40 ... 100 [°C]

Ordering data

Description	Thread type
Cable gland , for HEAVYCON EVO B series plastic housing, for cable diameter:	
6 mm ... 13 mm	M20
9 mm ... 17 mm	M25
13 mm ... 21 mm	M32

Type	Order No.	Pcs./Pkt.
HC-B-GB-M20-PLRBK	1414660	1
HC-B-GB-M25-PLRBK	1414661	1
HC-B-GB-M32-PLRBK	1414662	1

Technical data

General data	
Material	PA
Ambient temperature (operation)	-40 ... 100

Ordering data

Type	Order No.	Pcs./Pkt.
HC-B-GTRS-M20-PLRBK	1414651	1
HC-B-GTRS-M25-PLRBK	1414652	1
HC-B-GTRS-M32-PLRBK	1414654	1

Plastic thread adapters for B series EVO housings and EVO unlocking tools tool

Notes:

For further conduit adapters, visit phoenixcontact.net/products

For protective hoses for corrugated pipe adapters, see Catalog 3



Plastic thread adapter



EVO unlocking tools

Technical data

General data	
Material	PA
Ambient temperature (operation)	-40 ... 100 [°C]

Ordering data

Description	Thread type
Thread adapter , for B series HEAVYCON EVO plastic housing	
	M20
	M25
	M32
	M40
	Pg13.5
	Pg16
	Pg21

Type	Order No.	Pcs./Pkt.
HC-B-TA-M20-PLR-BK	1414243	1
HC-B-TA-M25-PLR-BK	1414244	1
HC-B-TA-M32-PLR-BK	1414245	1
HC-B-TA-M40-PLR-BK	1414246	1
HC-B-TA-PG13-PLR-BK	1414247	1
HC-B-TA-PG16-PLR-BK	1414248	1
HC-B-TA-PG21-PLR-BK	1414249	1

Water pump pliers, with groove joint, gripping surfaces with dual notching, acc. to VDE ISO 8976, size: 240 mm

Technical data

General data	
Material	-
Ambient temperature (operation)	- ... -

Ordering data

Type	Order No.	Pcs./Pkt.
UNIFOX-WP	1212365	1

Heavy-duty connectors

HEAVYCON accessories

Metal cable glands for EVO B series housings



Metal cable gland for EMC applications



Metal cable gland for multiple cables

General data	
Material	
Ambient temperature (operation)	[°C]

Technical data		
Die-cast aluminum, corrosion-resistant		
-40 ... 125		

Technical data		
Die-cast aluminum, corrosion-resistant		
-30 ... 100		

Description	Thread type
Cable gland , for HEAVYCON EVO B series metal housing, for EMC applications, for cable diameter:	
9 mm ... 13 mm	M20
11 mm ... 16 mm	M25
14 mm ... 21 mm	M32
19 mm ... 27 mm	M40
Cable gland , for HEAVYCON EVO metal housing, for higher strain relief, with NBR seal, for cable diameter:	
without bore hole	M40
4x 10 mm	M40
5x 8.5 mm	M40
8x 6.5 mm	M40

Ordering data		
Type	Order No.	Pcs./Pkt.
HC-B-G-M20-EC-AL	1411439	1
HC-B-G-M25-EC-AL	1411446	1
HC-B-G-M32-EC-AL	1411440	1
HC-B-G-M40-EC-AL	1411441	1

Ordering data		
Type	Order No.	Pcs./Pkt.
HC-B-GM0-M40-ET-AL	1414647	1
HC-B-GM4X10-M40-ET-AL	1414648	1
HC-B-GM5X8,5-M40-ET-AL	1414649	1
HC-B-GM8X6,5-M40-ET-AL	1414650	1

Metal cable glands with bend protection and strain relief for B series EVO housings



Metal cable gland with bend protection



Metal cable gland with strain relief

General data	
Material	
Ambient temperature (operation)	[°C]

Technical data		
-		
-40 ... 100		

Technical data		
-		
-40 ... 100		

Description	Thread type
Cable gland , for B series HEAVYCON EVO metal housing, for cable diameter:	
6 mm ... 13 mm	M20
9 mm ... 17 mm	M25
13 mm ... 21 mm	M32
16 mm ... 28 mm	M40

Ordering data		
Type	Order No.	Pcs./Pkt.
HC-B-GB-M20-ER-AL	1414663	1
HC-B-GB-M25-ER-AL	1414664	1
HC-B-GB-M32-ER-AL	1414665	1
HC-B-GB-M40-ER-AL	1414666	1

Ordering data		
Type	Order No.	Pcs./Pkt.
HC-B-GTRS-M20-ER-AL	1414656	1
HC-B-GTRS-M25-ER-AL	1414657	1
HC-B-GTRS-M32-ER-AL	1414658	1
HC-B-GTRS-M40-ER-AL	1414659	1

Metal thread adapter for B series EVO housings



Metal thread adapter

General data		Technical data		
Material		Die-cast aluminum, corrosion-resistant		
Ambient temperature (operation)	[°C]	-40 ... 125		
Description		Ordering data		
Thread type		Type	Order No.	Pcs./Pkt.
Thread adapter , for B series HEAVYCON EVO metal housings				
	M20	HC-B-TA-M20-ER-AL	1414256	1
	M25	HC-B-TA-M25-ER-AL	1414257	1
	M32	HC-B-TA-M32-ER-AL	1414258	1
	M40	HC-B-TA-M40-ER-AL	1414259	1
	Pg13.5	HC-B-TA-PG13-ER-AL	1414260	1
	Pg16	HC-B-TA-PG16-ER-AL	1414261	1
	Pg21	HC-B-TA-PG21-ER-AL	1414262	1
	Pg29	HC-B-TA-PG29-ER-AL	1414263	1
	1/2-inch NPT	HC-B-TA-NPT-1/2-ER-AL	1414264	1
	3/4 inch NPT	HC-B-TA-NPT-3/4-ER-AL	1414265	1
	1/1-inch NPT	HC-B-TA-NPT-1/1-ER-AL	1414266	1
	1 1/4 in. NPT	HC-B-TA-NPT-1 1/4-ER-AL	1414267	1

Heavy-duty connectors

HEAVYCON accessories

PE screws, PE multipliers

If several PE conductors are led via one contact insert, additional PE connections are required. This is done using an additional PE screw or the PE multiplier.



PE screw



PE multiplier

Technical data			Technical data		
General data			General data		
Material			Brass, nickel-plated		
Connection cross section	[mm²]		0.5 ... 2.5		
Connection cross section	AWG		20 ... 14		
Ordering data			Ordering data		
Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
PE screw, for contact inserts in series: HC-B..., HC-BB..., HC-DD..., HC-D40..., HC-D64... HC-HS 6...	HC-B-PES	1604997	10		
	HC-HS-PES	1586219	10		
PE screw, for contact inserts in series: HC-A..., HC-D15..., HC-D25...	HC-A-PES	1584868			
PE multiplier, with 3 PE connections, for contact inserts in series: HC-B..., HC-BB..., HC-DD..., HC-D40..., HC-D64...			HC-B-3PE	1644326	1

Strain relief clamps

Cable trees with crimp contacts must not put a strain on the engaged contacts with their weight.

The use of strain relief clamps eliminates this type of strain.



Lateral cable outlet



Straight cable outlet

Technical data			Technical data		
General data			General data		
Material			Steel, galvanized		
Ordering data			Ordering data		
Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Strain relief clamps, clamping area of 9 - 19 mm, for contact inserts in series: HC-B..., HC-BB..., HC-D40..., HC-D64..., HC-DD..., HC-HV...	HC-B-ZS	1685330	10	HC-B-ZG	1685327
					10

Replacement bolts and sealing screws



Replacement bolt



Sealing screw

General data
Material
Description
Replacement bolt , steel, for HEAVYCON HC-B...TFL... sleeve housing (not EMC housing) in size:
B48
M3 sealing screw , IP67, for HEAVYCON housing in size:
D7

Technical data		
Steel, galvanized		
Ordering data		
Type	Order No.	Pcs./Pkt.
HC-B 48-LB ERSBOLZ	1636114	10

Technical data		
Steel, galvanized		
Ordering data		
Type	Order No.	Pcs./Pkt.
HC-D 7-DS-IP65	1686229	100

Docking frames

Docking frames ensure that male and female inserts are located in insert systems and contact is made reliably.

Notes:
Due to the floating frame, the mounting panel must be grounded.



Docking frames

General data
Material
Insertion/withdrawal cycles
Ambient temperature (operation)
Description
Docking frame , with 4 flat headed screws with shoulder, for contact inserts in series:
B6, DD24, BB10, K, M
B10, DD42, BB18, K, M
B16, D40, DD72, BB32, K, M
B24, D64, DD108, BB46, K, M

Technical data		
Stainless steel		
≥ 500		
-40 ... 125		
Ordering data		
Type	Order No.	Pcs./Pkt.
HC-B 6-ANDOCK	1586112	2
HC-B 10-ANDOCK	1586125	2
HC-B 16-ANDOCK	1586138	2
HC-B 24-ANDOCK	1586141	2

Heavy-duty connectors

HEAVYCON accessories

Cover plates

For sealing unused openings in control cabinet manufacturing.



Cover plate,
height: 3.5 mm



Cover plate,
height: 7 mm

General data

Material	PA
Color	gray
Flammability rating in accordance with UL 94	HB
Ambient temperature (operation)	-20 ... 100 [°C]

Technical data

Technical data

Material	PA
Color	gray
HB	HB
-20 ... 100	-20 ... 100

Ordering data

Ordering data

Description

Cover plate, for a panel cutout in size:

B6 (cutout: 35 mm x 52 mm)
B10 (cutout: 35 mm x 65 mm)
B16 (cutout: 35 mm x 86 mm)
B24 (cutout: 35 mm x 113 mm)
D15 (cutout: 24 mm x 58 mm)
D25 (cutout: 24 mm x 74 mm)

Type	Order No.	Pcs./Pkt.
HC-B 6-AP-GY	1660368	10
HC-B 10-AP-GY	1660371	10
HC-B 16-AP-GY	1660384	10
HC-B 24-AP-GY	1660397	10
HC-D 15-AP-GY	1660342	10
HC-D 25-AP-GY	1660355	10

Type	Order No.	Pcs./Pkt.
HC-B 16-APV-GY	1661121	10
HC-B 24-APV-GY	1661037	10

Adapter plates

For changing panel cutouts to different size.



Adapter plate



Adapter plate

General data

Material	PA
Color	gray
Flammability rating in accordance with UL 94	HB
Ambient temperature (operation)	-20 ... 100 [°C]

Technical data

Technical data

Material	PA
Color	gray
HB	HB
-20 ... 100	-20 ... 100

Ordering data

Ordering data

Description

Adapter plate, for reduction from a B24 panel cutout to:

3 x D7 (cutout: 21.5 mm x 21.5 mm)

Adapter plate, for reduction from a B24 panel cutout to:

3 x circular connector cutouts (Ø 21 mm)

Type	Order No.	Pcs./Pkt.
HC-B 24-ADP-3D 7-GY	1661448	10

Type	Order No.	Pcs./Pkt.
HC-B 24-ADP-3RST-GY	1662175	10

D-SUB adapter plates, D series

For installing D-SUB connectors in
HEAVYCON D series housing.

Notes:

- Order D-SUB connectors separately
- D-SUB assembly in the adapter plate: front mounting
- For D-SUB insert matrix see page 446



Adapter plate
for a D-SUB connector

Technical data

General data	
Material	PA
Color	gray
Ambient temperature (operation)	-20 ... 100 [°C]

Ordering data

Description	Type	Order No.	Pcs./Pkt.
D-SUB adapter plate , for equipping HC-D15... housings with one D-SUB connector, D-SUB type:			
D-SUB 09	HC-D 15-ADP/1 DSUB 9	1661312	2
D-SUB 15	HC-D 15-ADP/1 DSUB 15	1775253	2
D-SUB 25	HC-D 15-ADP/1 DSUB 25	1775266	2

D-SUB adapter plates, B series

For installing D-SUB connectors in
HEAVYCON B series housing.

Notes:

- Order D-SUB connectors separately
- D-SUB assembly in the adapter plate: front mounting
- For D-SUB insert matrix see page 446



Adapter plate
for a D-SUB connector

Technical data

General data	
Material	PA
Color	gray
Flammability rating in accordance with UL 94	HB
Ambient temperature (operation)	-20 ... 100 [°C]

Ordering data

Description	Type	Order No.	Pcs./Pkt.
D-SUB adapter plate , for mounting HEAVYCON housings with D-SUB connector, for housing size / D-SUB type:			
B6 / D-SUB 09	HC-B 6-ADP/1 DSUB 9	1775457	2
B6 / D-SUB 15	HC-B 6-ADP/1 DSUB 15	1775473	2
B10 / D-SUB 25	HC-B 10-ADP/1 DSUB 25	1775499	2
B16 / D-SUB 37	HC-B 16-ADP/1 DSUB 37	1775512	2
B16 / D-SUB 50	HC-B 16-ADP/1 DSUB 50	1775538	2



Adapter plate
for two D-SUB connectors

Technical data

PA
gray
HB
-20 ... 100

Ordering data

Description	Type	Order No.	Pcs./Pkt.
D-SUB adapter plate , for mounting HEAVYCON housings with D-SUB connector, for housing size / D-SUB type:			
B6 / D-SUB 09	HC-B 6-ADP/2 DSUB 9	1775460	2
B6 / D-SUB 15	HC-B 6-ADP/2 DSUB 15	1775486	2
B10 / D-SUB 25	HC-B 10-ADP/2 DSUB 25	1775509	2
B16 / D-SUB 37	HC-B 16-ADP/2 DSUB 37	1775525	2
B16 / D-SUB 50	HC-B 16-ADP/2 DSUB 50	1775541	2

Heavy-duty connectors

HEAVYCON accessories

Crimp contacts

Crimp machines for turned/rolled contacts on request.

Notes:

For voltages less than 5 V and currents less than 5 mA, gold-plated contacts are recommended.



Ø 1.6 mm, turned crimp contacts



Ø 2.5 mm, turned crimp contacts

ERC

Technical data

Material data
Contact material
Stripping length of the individual wire
Insertion/withdrawal cycles
Ambient temperature (operation)

Hard silver-plated	Hard gold-plated
Copper alloy	Copper alloy
8 mm	8 mm
≥ 500	≥ 500
-40°C ... 125°C	-40°C ... 125°C

Ordering data

Description

Turned female contacts, silver-plated, for wire cross section:

0.14 mm² ... 0.37 mm² / AWG 26 ... 22
0.50 mm² / AWG 20
0.75 mm² / AWG 18
0.75 mm² ... 1.00 mm² / AWG 18
1.50 mm² / AWG 16
2.50 mm² / AWG 14
3.00 mm² / AWG 12
4.00 mm² / AWG 12
6.00 mm² / AWG 10
10 mm²/AWG 8

Turned male contacts, silver-plated, for wire cross section:

0.14 mm² ... 0.37 mm² / AWG 26 ... 22
0.50 mm² / AWG 20
0.75 mm² / AWG 18
0.75 mm² ... 1.00 mm² / AWG 18
1.50 mm² / AWG 16
2.50 mm² / AWG 14
3.00 mm² / AWG 12
4.00 mm² / AWG 12
6.00 mm² / AWG 10
10 mm²/AWG 8

Turned female contacts, gold-plated, for wire cross section:

0.14 mm² ... 0.37 mm² / AWG 26 ... 22
0.50 mm² / AWG 20
0.75 mm² / AWG 18
0.75 mm² ... 1.00 mm² / AWG 18
1.50 mm² / AWG 16
2.50 mm² / AWG 14
4.00 mm² / AWG 12

Turned male contacts, gold-plated, for wire cross section:

0.14 mm² ... 0.37 mm² / AWG 26 ... 22
0.50 mm² / AWG 20
0.75 mm² / AWG 18
0.75 mm² ... 1.00 mm² / AWG 18
1.50 mm² / AWG 16
2.50 mm² / AWG 14
4.00 mm² / AWG 12

Turned switch contacts, (male 2 mm lagging), for HC-HV-..., silver-plated, for wire cross section:

1.00 mm² / AWG 18
1.50 mm² / AWG 16
2.50 mm² / AWG 14

Punched-rolled female contacts, silver-plated, for wire cross section:

0.34 mm² ... 1.00 mm² / AWG 22 ... 18
1.50 mm² ... 2.50 mm² / AWG 16 ... 14

Punched-rolled male contacts, silver-plated, for wire cross section:

0.34 mm² ... 1.00 mm² / AWG 22 ... 18
1.50 mm² ... 2.50 mm² / AWG 16 ... 14

ERC

Technical data

Hard silver-plated	Hard gold-plated
Copper alloy	Copper alloy
7.5 mm (9.5 mm at HC-M-HV...)	7.5 mm (9.5 mm at HC-M-HV...)
≥ 500	≥ 500
-40°C ... 125°C	-40°C ... 125°C

Ordering data

Type	Order No.	Pcs./Pkt.
------	-----------	-----------

CK2,5-ED-0,50BU AG	1663640	100
CK2,5-ED-0,75BU AG	1663653	100
CK2,5-ED-1,00BU AG	1663666	100
CK2,5-ED-1,50BU AG	1663679	100
CK2,5-ED-2,50BU AG	1663682	100
CK2,5-ED-3,00BU AG	1663695	100
CK2,5-ED-4,00BU AG	1663705	100

CK2,5-ED-0,50ST AG	1663572	100
CK2,5-ED-0,75ST AG	1663585	100
CK2,5-ED-1,00ST AG	1663598	100
CK2,5-ED-1,50ST AG	1663608	100
CK2,5-ED-2,50ST AG	1663611	100
CK2,5-ED-3,00ST AG	1663624	100
CK2,5-ED-4,00ST AG	1663637	100

CK2,5-ED-0,37BU AU	1585647	100
CK2,5-ED-0,50BU AU	1674859	100
CK2,5-ED-1,00BU AU	1674833	100
CK2,5-ED-1,50BU AU	1674820	100
CK2,5-ED-2,50BU AU	1674862	100
CK2,5-ED-4,00BU AU	1674846	100

CK2,5-ED-0,37ST AU	1585663	100
CK2,5-ED-0,50ST AU	1674804	100
CK2,5-ED-1,00ST AU	1674781	100
CK2,5-ED-1,50ST AU	1674778	100
CK2,5-ED-2,50ST AU	1674817	100
CK2,5-ED-4,00ST AU	1674794	100

CK2,5-ED-1,00ST-S AG	1663857	100
CK2,5-ED-1,50ST-S AG	1663860	100
CK2,5-ED-2,50ST-S AG	1663873	100

new

new



Ø 4.0 mm, turned crimp contacts

Ø 1.6 mm, punched-rolled crimp contacts,
tapedØ 1.6 mm, punched-rolled crimp contacts,
single contacts

ERIC

Technical data		
Copper alloy 9 mm (9.6 mm (4 - 6 mm ²)/18 mm (10 mm ²))		
≥ 500 -40°C ... 125°C		
Ordering data		
Type	Order No.	Pcs./Pkt.
CK4,0-ED-1,50BU AG	1663271	25
CK4,0-ED-2,50BU AG	1663284	25
CK4,0-ED-4,00BU AG	1663297	25
CK4,0-ED-6,00BU AG	1663307	25
CK4,0-ED-10,00BU AG	1586183	25
CK4,0-ED-1,50ST AG	1663239	25
CK4,0-ED-2,50ST AG	1663242	25
CK4,0-ED-4,00ST AG	1663255	25
CK4,0-ED-6,00ST AG	1663268	25
CK4,0-ED-10,00ST AG	1586198	25

Technical data		
Cu alloy, nickel-plated 4 mm		
≥ 50 -40°C ... 125°C		
Ordering data		
Type	Order No.	Pcs./Pkt.
CK1,6-BR-1,00BU OIC AG	1004381	7000
CK1,6-BR-2,50BU OIC AG	1004383	5000
CK1,6-BR-1,00ST OIC AG	1004380	7000
CK1,6-BR-2,50ST OIC AG	1004382	5000

Technical data		
Cu alloy, nickel-plated 4 mm		
≥ 50 -40°C ... 125°C		
Ordering data		
Type	Order No.	Pcs./Pkt.
CK1,6-ER-1,00BU OIC AG	1004362	100
CK1,6-ER-2,50BU OIC AG	1004366	100
CK1,6-ER-1,00ST OIC AG	1004360	100
CK1,6-ER-2,50ST OIC AG	1004365	100

Heavy-duty connectors

HEAVYCON accessories

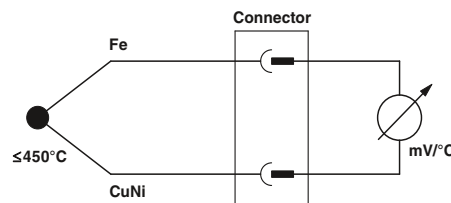
Type J iron and constantan crimp contacts

In hot runner injection molding machines, temperatures are often measured using iron or constantan thermocouples. Iron or constantan elements are used for temperatures up to around 450 °C.

Temperature measurements using iron or constantan elements on the brass crimp contact of a connector cause thermoelectric voltages that falsify the measuring result. The use of iron or constantan crimp contacts is therefore recommended.

Crimp contacts made from iron or constantan can be used in the A/B/BB/HV series contact inserts and in the HC-Q05..., HC-M-06..., HC-M-08..., HC-M-20... modules.

It is possible to use mixed contact configurations (standard, thermal contacts) for the crimp contact inserts.



Material data
Contact material
Contact surface material
Stripping length of the individual wire
Insertion/withdrawal cycles
Temperature data
Ambient temperature (operation)

Description

Turned female contacts, 0.5 mm²

Iron (Fe), Au surface
Constants (CuNi), uncoated

Turned male contacts, 0.5 mm²

Iron (Fe), Au surface
Constants (CuNi), uncoated



Turned crimp contacts, for CK 2,5 crimp contacts:
HC-A..., HC-B..., HC-BB..., HC-Q05..., HC-M...

Technical data

Iron	Copper-nickel (constants)
Hard gold-plated	-
7.5 mm (9.5 mm at HC-M-HV...)	7.5 mm (9.5 mm at HC-M-HV...)
≥ 500	≥ 500
-40°C ... 125°C	-40°C ... 125°C

Ordering data

Type	Order No.	Pcs./Pkt.
CK2,5-ED-0,5BU FE	1585773	25
CK2,5-ED-0,5BU CUNI	1585757	25
CK2,5-ED-0,5ST FE	1585760	25
CK2,5-ED-0,5ST CUNI	1585744	25

FO crimp contacts

Fiber optic crimp contacts (980/1000 µm) are suitable for coupling fiber optics (polymer optical fibers). You can use the following crimp contact carriers:

- VC-D (for turned contacts)
- HC M 12..., HC-M-17..., HC-M-03/04...
- HC-D... (for turned contacts) and
- HC-DD...

The optic fibers are polished, stripped, and then crimped.



Crimp contacts for fiber optic cables,
polymer optic fibers (POF)

Material data
Contact material
Insertion/withdrawal cycles

Description

Fiber optic contact POF, turned, for VC-D contact carriers

Female
Male
Tools, for fiber optics:

Crimping pliers
Polisher
Polishing strip
Polishing paper

Technical data

Nickel silver
≥ 500

Ordering data

Type	Order No.	Pcs./Pkt.
CK1,6-ED-BU-POF	1885004	50
CK1,6-ED-ST-POF	1884995	50
CRIMPFOX-1,6-ED-POF-N	1584839	1
POLISHER-POF	1686122	1
POLFOL 1 MIC-POF	1636800	10
POLPAP 1500-POF	1636813	10

Shield connection



The HEAVYCON D bus contact is used to connect shielded, 2-core bus conductors.

The connection takes up 4 adjacent positions in the contact carrier. The overall shielding braid is also suitable as a T-coupler (two positions for the cable shield).

Electrical data	
Rated voltage	60 V
Rated current	-
Transmission speed	-
Material specifications for distributor	
Contact material	Copper alloy
Contact surface material	hard-silver plated
Mechanical data	
External cable diameter	6 mm ... 9 mm
Temperature data	
Ambient temperature (operation)	-40°C ... 60°C

Description

Shield connection, for two shielded cables, incl. two loose female crimp contacts for PROFIBUS cables.

Shield connection, for a shielded line on male contact carriers, incl. two loose crimp contacts for PROFIBUS line

Shield connection, for shielded cables on female contact carriers, without loose crimp contacts

For one bus line
For two bus lines

Shield connection, for shielded cables on male contact carriers, without loose crimp contacts

For one bus line
For two bus lines

Crimping pliers

- For turned contacts; 0.14 ... 4 mm²

Assembly tool

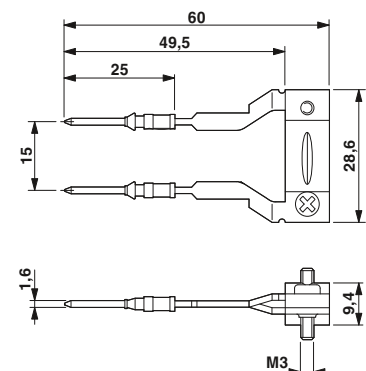
- For contacts CK1,6-ED.../CK2,5-ED.../CK1,6-ER...



For crimp contact carriers of series
HC-D40 / -D64 / HC-M-12

ERC

Technical data			
Ordering data			
Type	Order No.	Pcs./Pkt.	
HC-D 4-BU-2BUS	1886139	1	
HC-D 4-ST-1BUS	1886142	1	
HC-D 4-1BU	1886143	1	
HC-D 4-2BU	1886140	1	
HC-D 4-1ST	1886144	1	
HC-D 4-2ST	1886141	1	
CRIMPFOX-1,6/2,5-ED-4,0	1687419	1	
UNIFOX MT-CK 1.6/2.5	1089092	1	



HC-D 4-...BUS

Heavy-duty connectors

HEAVYCON accessories

CRIMPFOX crimping pliers for turned contacts

- The integrated positioning tool ensures that the contacts are perfectly aligned in the die
- Marked die stations for precise processing of the relevant cross sections

Notes:

Spare dies and spare retaining springs can be found in the product area on our website at phoenixcontact.net/products.



Conductor cross section of 0.14 ... 4 mm²

Conductor cross section 6 ... 10 mm²

Application range

Conductor [mm²] / AWG
Compression

Description

Crimping pliers, for turned male and female contacts, CK1,6-ED..., CK2,5-ED..., CK4,0-ED...

- For turned contacts; 0.14 to 4 mm²
- For CK4,0-ED...6 - 10 mm² turned contacts

Contact removal tool, for crimp contacts

- For turned and rolled CK-1,6-... contacts

- For turned CK-2,5-... contacts
- For turned CK-4,0-... contacts

Technical data

0.14 ... 4 / 26 ... 12
Square crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-TC 4	1212113	1

Accessories

UNIFOX RT-CK 1.6	1072069	1
UNIFOX RT-CK 2.5	1072067	1
UNIFOX RT-CK 4.0	1072064	1

Technical data

6 ... 10 / 10 ... 8
Square crimp

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-TC 10	1212114	1

Accessories

UNIFOX RT-CK 4.0	1072064	1
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CRIMPFOX universal pliers for accommodating various crimp inserts

- One of the key features of the CRIMPFOX-M crimping pliers is the way the crimp inserts can be quickly replaced without the need for tools

Notes:

For more crimping dies for ferrules, cable lugs, slip-on sleeves, turned contacts, coaxial, RJ45, and RJ11 plugs, visit phoenixcontact.net/products



Basic pliers

Application range

Compression

Description

Basic pliers, for accommodating dies for various contact types, unlockable pressure lock, lateral entry

Die, for turned male and female contacts

CK2,5-ED..., CK4,0-ED..., cross section 0.5 - 4 mm²
CK4,0-ED..., cross section 6 - 10 mm²

Technical data

universal

Ordering data

Type	Order No.	Pcs./Pkt.
CRIMPFOX-M	1212072	1

Accessories

CRIMPFOX-M TC 4/DIE	1212075	1
CRIMPFOX-M TC 10/DIE	1212076	1

CRIMPFOX crimping pliers for rolled contacts

new

Conductor cross section of 0.14 ... 2.5 mm²

Application range	
Conductor	[mm ²] / AWG
Compression	

Description
Crimping pliers for CK 1,6-ER... OIC rolled contacts, cross section: 0.14 ... 2.5 mm ² , unlockable pressure lock, front entry, incl. positioning tool

Assembly tool
- For contacts CK1,6-ED.../CK2,5-ED.../CK1,6-ER...

Technical data		
0.14 ... 2.5 / 26 ... 14 B crimp		
Ordering data		
Type	Order No.	Pcs./Pkt.
CRIMPFOX-P CK 1.6 ER 2.5 OIC-L	1069228	1
Accessories		
UNIFOX MT-CK 1.6/2.5	1089092	1

CRIMPFOX crimping pliers for coaxial connectors

- The CRIMPFOX-CX 4,2 tool is a pair of crimping pliers for processing coaxial contacts
- The CRIMPFOX-TC MP tool is a pair of crimping pliers for processing D-SUB contacts

Notes:
Spare dies and spare retaining springs can be found in the product area on our website at phoenixcontact.net/products .



For coaxial connectors

0.08 ... 2.5 mm² conductor cross section

Application range
Compression

Description
Crimping pliers for coaxial connectors, 1.69 mm, 3.25 mm, 4.52 mm, three marked die stations, unlockable pressure lock, lateral entry, hex crimp

Crimping pliers , for turned contacts, universal cross section setting, up to a maximum of 2.5 mm ² , digital display with 0.01 mm increments, unlockable pressure lock, lateral entry, including positioning tool

- For turned contacts, four-mandrel crimping
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Removal tool
- For coax contacts HC-M-04...KOAX...
- For D-SUB contacts VS-...CD...

Technical data		
HEX crimp		
Ordering data		
Type	Order No.	Pcs./Pkt.
CRIMPFOX-CX 4,52	1212094	1
Accessories		
HC-M4-KOAX-EWZ	1676747	1

Technical data		
Four-mandrel crimping		
Ordering data		
Type	Order No.	Pcs./Pkt.
CRIMPFOX-TC MP	1212510	1
Accessories		
EWR	1665075	1

Heavy-duty connectors

DUPLICON stackable power distribution system



DUPLICON is a comprehensive power distribution system for $6 \times 4 \text{ mm}^2$ and PE conductors (25 A / 400/690 V). The system has a minimum of components and is flexible in terms of handling. The robust metal housing with vibration-proof locking latches qualifies DUPLICON for the harshest operating conditions.

DUPLICON features IP67 degree of protection. The contact inserts have a leading PE contact. The screw connections can be assembled with standard tools. DUPLICON acts as an interface between the control cabinet and the device or actuators and drives.

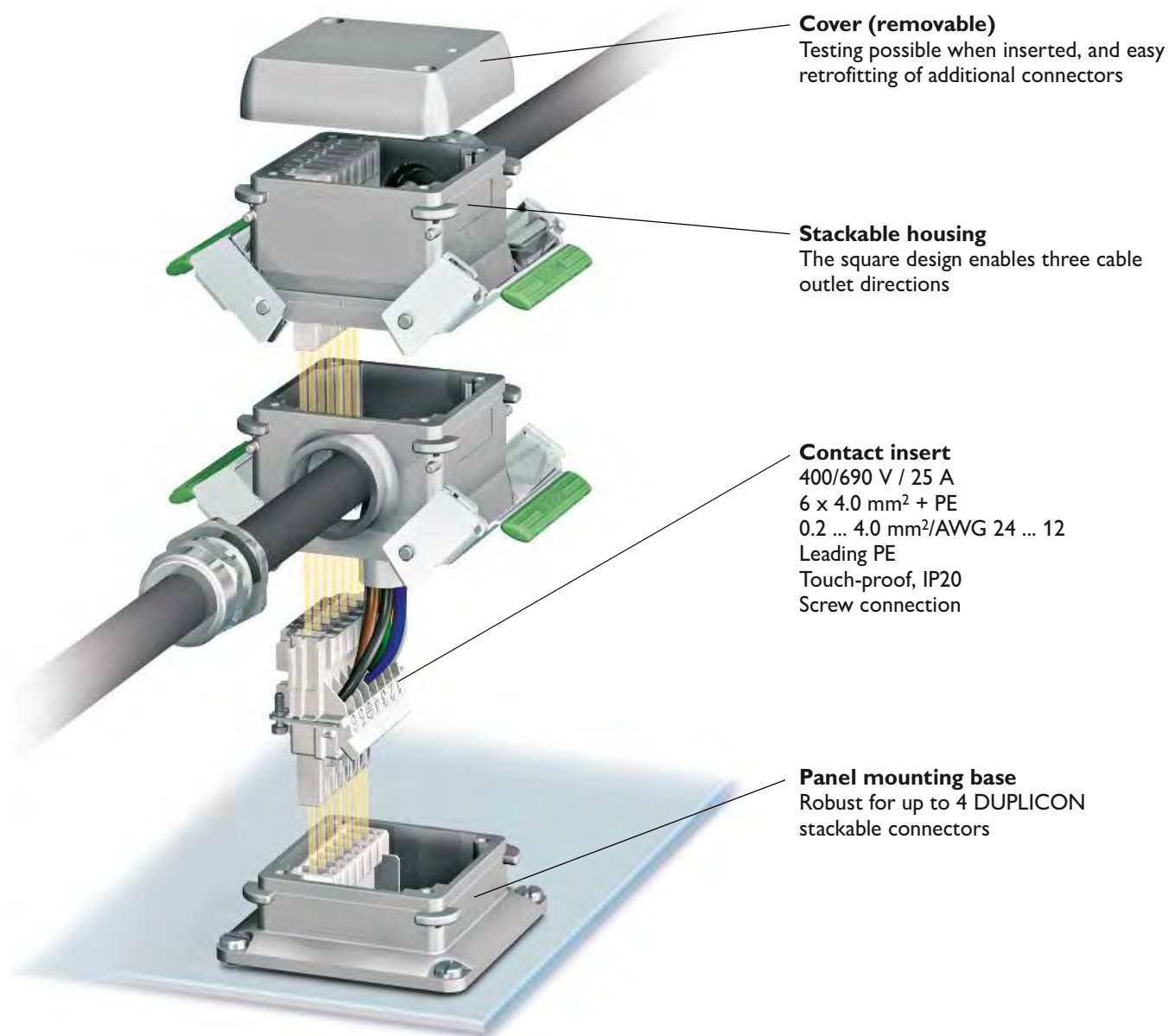
With its additional connections, DUPLICON provides a broad range of possible applications:

Connection of 24 V, connection of

two-wire bus lines for AS-i or PROFIBUS, and connection to the signal network.

Thanks to the plug-in design, all cables can be conveniently assembled in the workshop and quickly connected together in the system. All connections are touch-proof in accordance with DIN VDE 0105 and meet the demands of the BGV A2 accident prevention regulations.

i Your web code: #0004



Cover (removable)

Testing possible when inserted, and easy retrofitting of additional connectors

Stackable housing

The square design enables three cable outlet directions

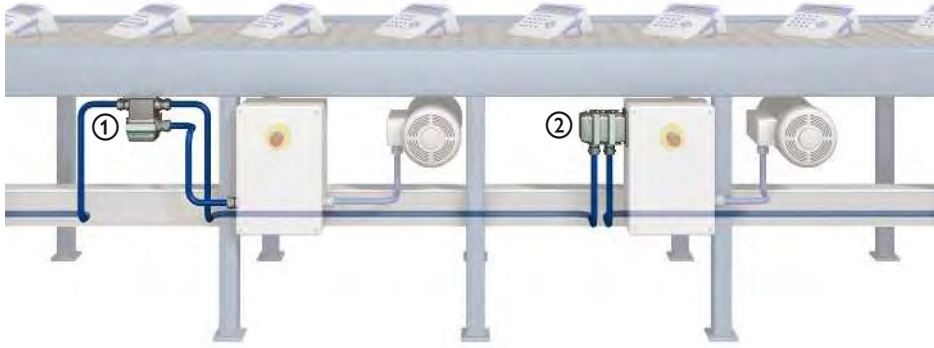
Contact insert

400/690 V / 25 A
 $6 \times 4.0 \text{ mm}^2 + \text{PE}$
 $0.2 \dots 4.0 \text{ mm}^2 / \text{AWG } 24 \dots 12$
Leading PE
Touch-proof, IP20
Screw connection

Panel mounting base

Robust for up to 4 DUPLICON stackable connectors

Stationary power distribution



There are two DUPLICON options for stationary power distribution:

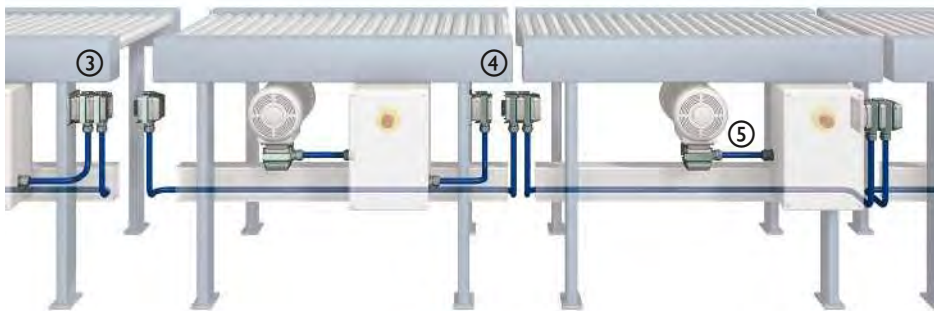
① Using a T-box, which is installed permanently next to the power consumer and has a plug-in cable outlet.

② With a stackable device connection. Direct device connection is always the best

option, but this requires design-based integration.

The main advantage is the ability to plug in the cables separately. This simplifies startup and also enables the device to be replaced without interruption during subsequent servicing

Modular power distribution



③ You can configure your power distribution in advance, thanks the stackable design. Plug and Play ensures fast and safe startup.

④ During servicing, the main power cable is disconnected from the load without causing any interruption. The system continues to run.

⑤ DUPLICON is also suitable for use as a motor connector.

The square design enables three different cable outlet directions.

The vibration-resistant locking mechanism can withstand the harshest operating conditions.

Cable routing options



With hybrid cables

In the simplest case, one cable is inserted per stackable housing. With the aid of an M25 adapter screw connection, cables with a diameter of up to 21 mm can be connected.



With separate cables

The cable glands with two drill holes allow thin power and 24 V cables to be routed separately into a stackable housing.



With opposing cables

Housings with two cable entries allow cables with larger diameters or combinations, e.g., with AS-i cables or PROFIBUS, to be routed in.