

HC-B24-I-PT-CI-F - Contact insert



1350010

<https://www.phoenixcontact.com/us/products/1350010>

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Contact insert, number of positions: 24+2 PE, size: B24, number of connections per position: 1, Socket, Push-in connection, 500 V, 16 A, 0.14 mm² ... 2.5 mm², application: Power, tool-free Click-in mounting

Your advantages

- Significant time savings and improved handling: Consistent and easy tool-free installation and mounting with Push-in connection technology and innovative Click-in latching
- Tool-free installation and mounting of the PE connection with Push-in connection technology
- Shortest installation time compared to other connection technologies
- Quick and effortless wiring, in particular when space is tight
- Secure installation: Audible and tangible latching of the contact inserts in the connector housing
- Reliable connection: The Click-in contact insert latches into the housing creating a shock- and vibration-resistant connection in accordance with DIN EN 61373
- Easy integration: Click-in contact inserts fit in all plastic and metal housings of the HEAVYCON STANDARD and EVO series
- Automatic cabling with robots possible
- Safe wiring and operation with color-coded actuators
- Cost-effective and fast coding with plastic profiles
- Test connection for 2 mm test plug

Commercial Data

Item number	1350010
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	B10
Product Key	BF7ABC
GTIN	4063151669126
Weight per Piece (including packing)	116.8 g
Weight per Piece (excluding packing)	116.8 g
Customs tariff number	85366990
Country of origin	CN

HC-B24-I-PT-CI-F - Contact insert



1350010

<https://www.phoenixcontact.com/us/products/1350010>

Technical Data

Notes

General	only use flexible conductors with ferrules
General	Connectors may be operated only when there is no load/voltage.

Mounting

Mounting type	tool-free snap-in
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required tool-free snap-in into all plastic and metal housings of the HEAVYCON STANDARD and EVO series, and into metal housings of the HEAVYCON ADVANCED series

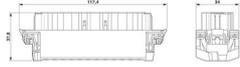
Product properties

Type	B24
Product type	Contact insert with a fixed no. of positions
Number of positions	24
Connection profile	24+2 PE
Contact numbering	1 - 24
Application	Power
Number of connections per position	1
Contact type	rolled
Series	HC-B

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	37 mm
Length	111 mm
Drill hole distance, horizontal	104 mm
Drill hole distance, vertical	27 mm

Mechanical characteristics

Contact diameter	2.5 mm
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Connection data

Connection technology

Connection technology	Push-in connection
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HC-B24-I-PT-CI-F - Contact insert



1350010

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Number of connections per position	1
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Conductor connection

Conductor cross section	0.14 mm ² ... 2.5 mm ²
Connection cross section AWG	26 ... 14
Stripping length	8 mm ... 10 mm

Electrical properties

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A (power contacts)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag/Sn (tarnish protection)
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
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Standards and regulations

Testing

Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
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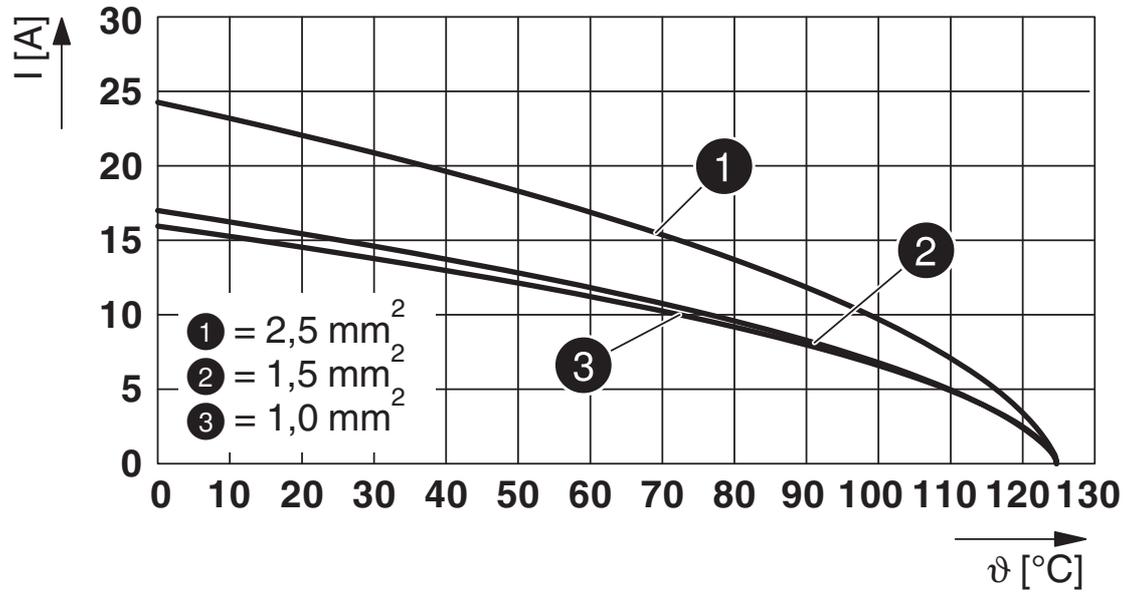
HC-B24-I-PT-CI-F - Contact insert

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<https://www.phoenixcontact.com/us/products/1350010>

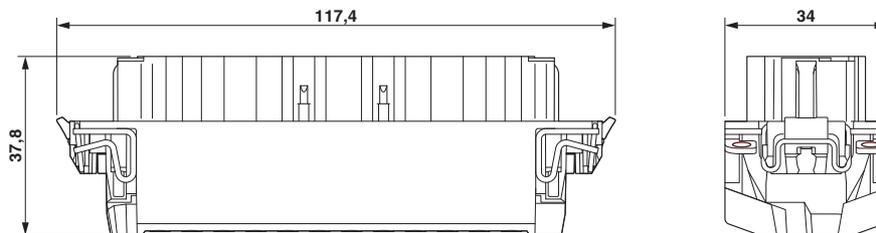
Drawings

Diagram



Derating diagram

Dimensional drawing



Dimensional drawing

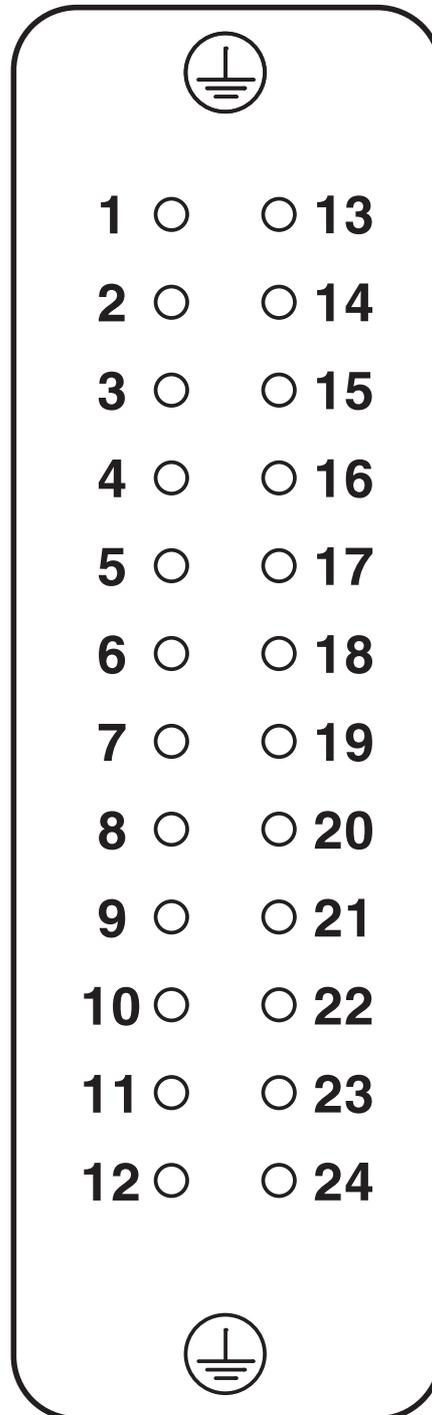
HC-B24-I-PT-CI-F - Contact insert

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<https://www.phoenixcontact.com/us/products/1350010>



Schematic diagram



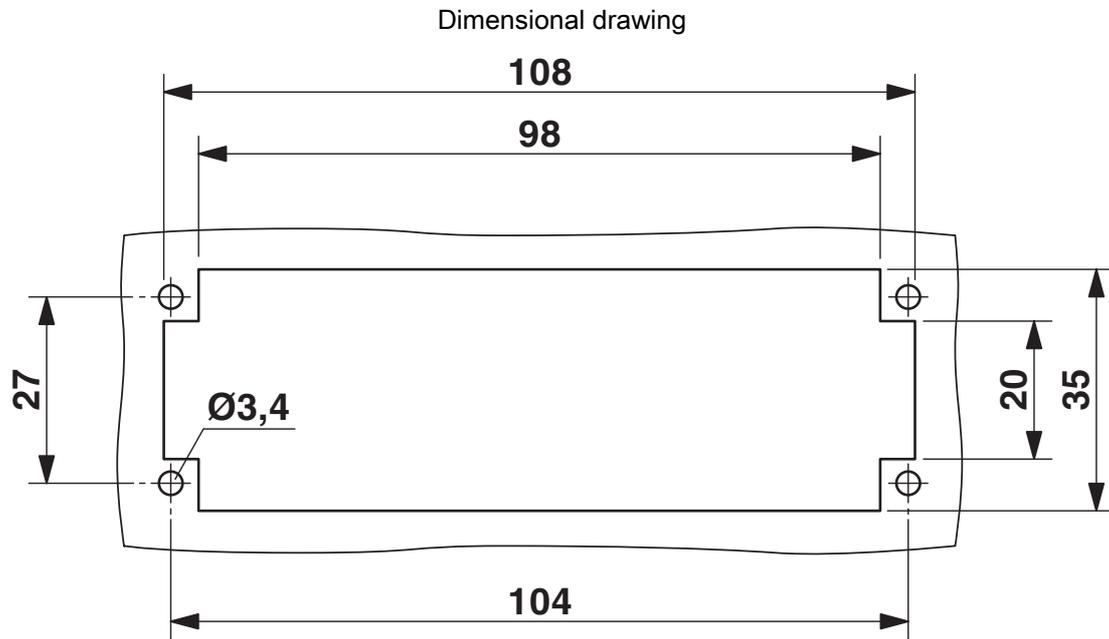
Connector pin assignment, connection side

HC-B24-I-PT-CI-F - Contact insert



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Mounting cutout when used without housing

HC-B24-I-PT-CI-F - Contact insert



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<https://www.phoenixcontact.com/us/products/1350010>

Approvals

 cULus Recognized Approval ID: E468743	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	600 V	13 A	- 14	-

HC-B24-I-PT-CI-F - Contact insert



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<https://www.phoenixcontact.com/us/products/1350010>

Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-12.0	27440205
ECLASS-13.0	27440205

ETIM

ETIM 8.0	EC000438
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UNSPSC

UNSPSC 21.0	39121500
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HC-B24-I-PT-CI-F - Contact insert



1350010

<https://www.phoenixcontact.com/us/products/1350010>

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

HC-B24-I-PT-CI-M - Contact insert



1350011

<https://www.phoenixcontact.com/us/products/1350011>

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Contact insert, number of positions: 24+2 PE, size: B24, number of connections per position: 1, Pin, Push-in connection, 500 V, 16 A, 0.14 mm² ... 2.5 mm², application: Power, tool-free Click-in mounting

Your advantages

- Significant time savings and improved handling: Consistent and easy tool-free installation and mounting with Push-in connection technology and innovative Click-in latching
- Tool-free installation and mounting of the PE connection with Push-in connection technology
- Shortest installation time compared to other connection technologies
- Quick and effortless wiring, in particular when space is tight
- Secure installation: Audible and tangible latching of the contact inserts in the connector housing
- Reliable connection: The Click-in contact insert latches into the housing creating a shock- and vibration-resistant connection in accordance with DIN EN 61373
- Easy integration: Click-in contact inserts fit in all plastic and metal housings of the HEAVYCON STANDARD and EVO series
- Automatic cabling with robots possible
- Safe wiring and operation with color-coded actuators
- Cost-effective and fast coding with plastic profiles
- Test connection for 2 mm test plug

Commercial Data

Item number	1350011
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	B10
Product Key	BF7ABC
GTIN	4063151668815
Weight per Piece (including packing)	104.5 g
Weight per Piece (excluding packing)	104.5 g
Customs tariff number	85366990
Country of origin	CN

HC-B24-I-PT-CI-M - Contact insert



1350011

<https://www.phoenixcontact.com/us/products/1350011>

Technical Data

Notes

General	only use flexible conductors with ferrules
General	Connectors may be operated only when there is no load/voltage.

Mounting

Mounting type	tool-free snap-in
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required tool-free snap-in into all plastic and metal housings of the HEAVYCON STANDARD and EVO series, and into metal housings of the HEAVYCON ADVANCED series

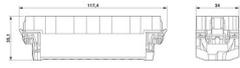
Product properties

Type	B24
Product type	Contact insert with a fixed no. of positions
Number of positions	24
Connection profile	24+2 PE
Contact numbering	1 - 24
Application	Power
Number of connections per position	1
Contact type	rolled
Series	HC-B

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	34.4 mm
Length	111 mm
Drill hole distance, horizontal	104 mm
Drill hole distance, vertical	27 mm

Mechanical characteristics

Contact diameter	2.5 mm
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Connection data

Connection technology

Connection technology	Push-in connection
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HC-B24-I-PT-CI-M - Contact insert



1350011

<https://www.phoenixcontact.com/us/products/1350011>

Number of connections per position	1
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Conductor connection

Conductor cross section	0.14 mm ² ... 2.5 mm ²
Connection cross section AWG	26 ... 14
Stripping length	8 mm ... 10 mm

Electrical properties

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A (power contacts)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag/Sn (tarnish protection)
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
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Standards and regulations

Testing

Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
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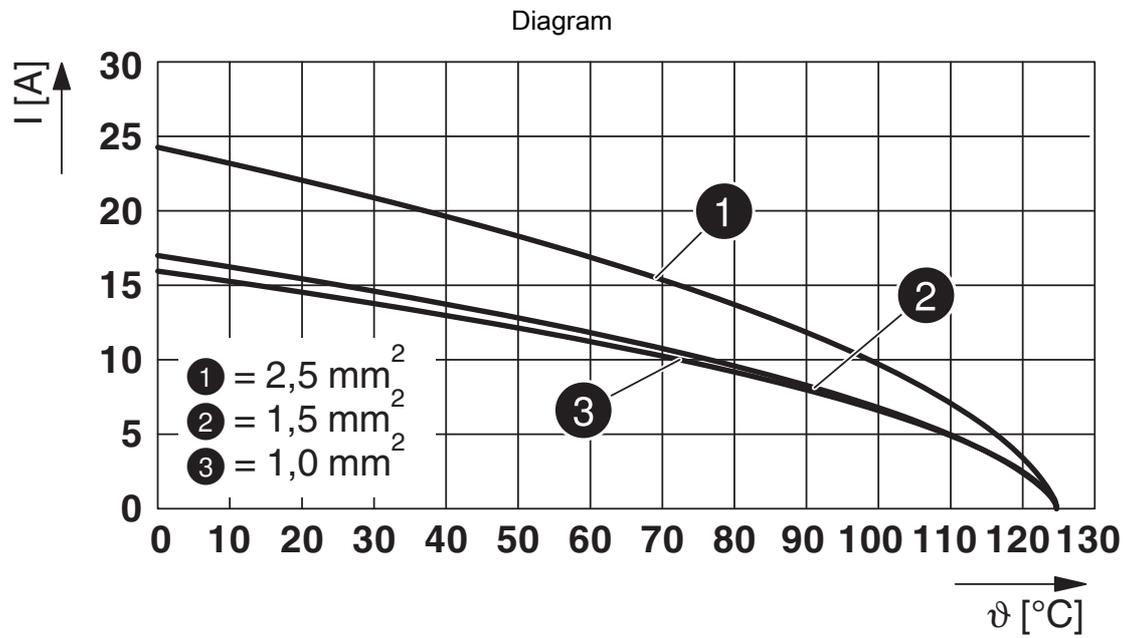
HC-B24-I-PT-CI-M - Contact insert



1350011

<https://www.phoenixcontact.com/us/products/1350011>

Drawings



Derating diagram

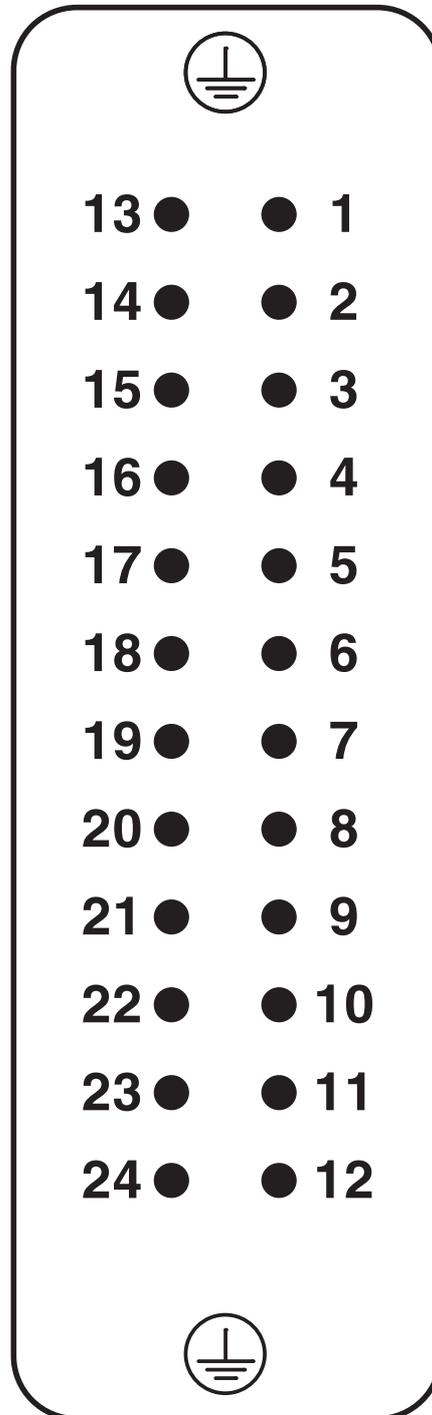
HC-B24-I-PT-CI-M - Contact insert

1350011

<https://www.phoenixcontact.com/us/products/1350011>



Schematic diagram



Connector pin assignment, connection side

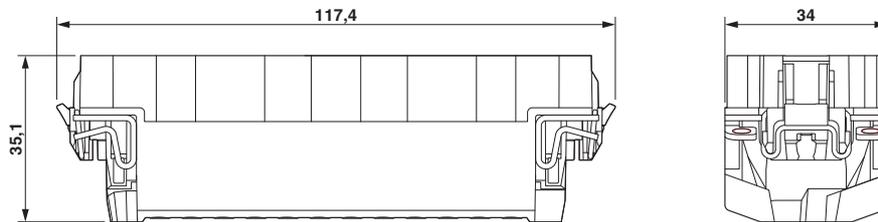
HC-B24-I-PT-CI-M - Contact insert



1350011

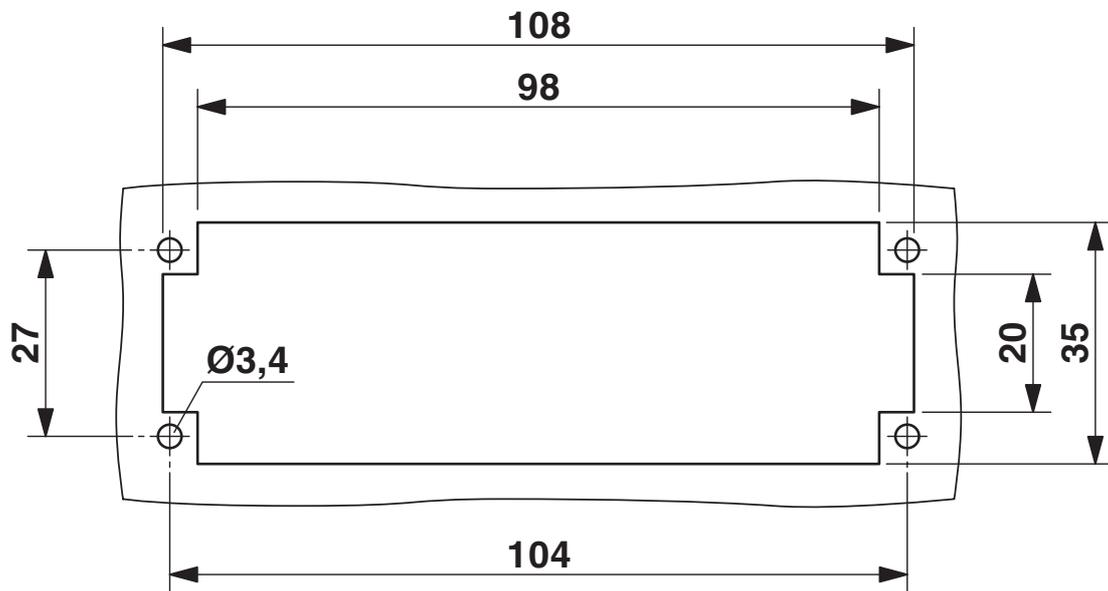
<https://www.phoenixcontact.com/us/products/1350011>

Dimensional drawing



Dimensional drawing

Dimensional drawing



Mounting cutout when used without housing

HC-B24-I-PT-CI-M - Contact insert



1350011

<https://www.phoenixcontact.com/us/products/1350011>

Approvals

 cULus Recognized Approval ID: E468743	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	600 V	13 A	- 14	-

HC-B24-I-PT-CI-M - Contact insert



1350011

<https://www.phoenixcontact.com/us/products/1350011>

Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-12.0	27440205
ECLASS-13.0	27440205

ETIM

ETIM 8.0	EC000438
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UNSPSC

UNSPSC 21.0	39121500
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HC-B24-I-PT-CI-M - Contact insert



1350011

<https://www.phoenixcontact.com/us/products/1350011>

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e No hazardous substances above threshold values
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HC-B16-I-PT-CI-F - Contact insert



1350013

<https://www.phoenixcontact.com/us/products/1350013>

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Contact insert, number of positions: 16+2 PE, size: B16, number of connections per position: 1, Socket, Push-in connection, 500 V, 16 A, 0.14 mm² ... 2.5 mm², application: Power, tool-free Click-in mounting

Your advantages

- Significant time savings and improved handling: Consistent and easy tool-free installation and mounting with Push-in connection technology and innovative Click-in latching
- Tool-free installation and mounting of the PE connection with Push-in connection technology
- Shortest installation time compared to other connection technologies
- Quick and effortless wiring, in particular when space is tight
- Secure installation: Audible and tangible latching of the contact inserts in the connector housing
- Reliable connection: The Click-in contact insert latches into the housing creating a shock- and vibration-resistant connection in accordance with DIN EN 61373
- Easy integration: Click-in contact inserts fit in all plastic and metal housings of the HEAVYCON STANDARD and EVO series
- Automatic cabling with robots possible
- Safe wiring and operation with color-coded actuators
- Cost-effective and fast coding with plastic profiles
- Test connection for 2 mm test plug

Commercial Data

Item number	1350013
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	B10
Product Key	BF7ABC
GTIN	4063151667368
Weight per Piece (including packing)	88 g
Weight per Piece (excluding packing)	88 g
Customs tariff number	85366990
Country of origin	CN

HC-B16-I-PT-CI-F - Contact insert



1350013

<https://www.phoenixcontact.com/us/products/1350013>

Technical Data

Notes

General	only use flexible conductors with ferrules
General	Connectors may be operated only when there is no load/voltage.

Mounting

Mounting type	tool-free snap-in
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required tool-free snap-in into all plastic and metal housings of the HEAVYCON STANDARD and EVO series, and into metal housings of the HEAVYCON ADVANCED series

Product properties

Type	B16
Product type	Contact insert with a fixed no. of positions
Number of positions	16
Connection profile	16+2+PE
Contact numbering	1 - 16
Application	Power
Number of connections per position	1
Contact type	rolled
Series	HC-B

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	37 mm
Length	84 mm
Drill hole distance, horizontal	77.5 mm
Drill hole distance, vertical	27 mm

Mechanical characteristics

Contact diameter	2.5 mm
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Connection data

Connection technology

HC-B16-I-PT-CI-F - Contact insert



1350013

<https://www.phoenixcontact.com/us/products/1350013>

Connection technology	Push-in connection
Number of connections per position	1

Conductor connection

Conductor cross section	0.14 mm ² ... 2.5 mm ²
Connection cross section AWG	26 ... 14
Stripping length	8 mm ... 10 mm

Electrical properties

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A (power contacts)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag/Sn (tarnish protection)
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
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Standards and regulations

Testing

Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
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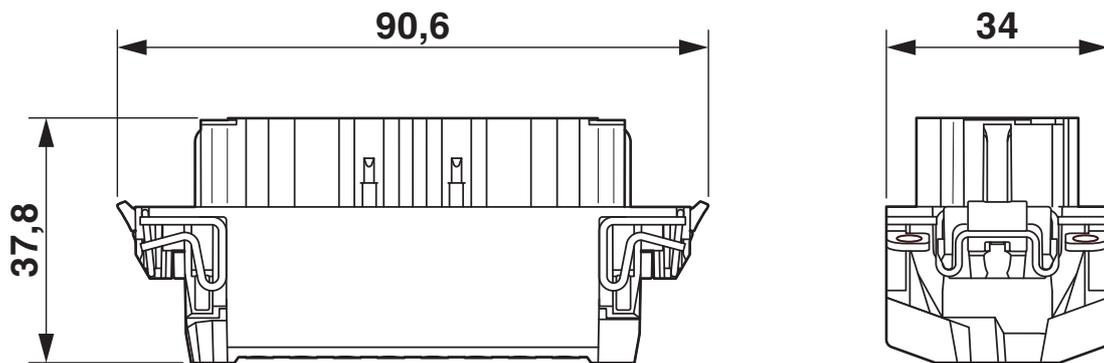
HC-B16-I-PT-CI-F - Contact insert

1350013

<https://www.phoenixcontact.com/us/products/1350013>

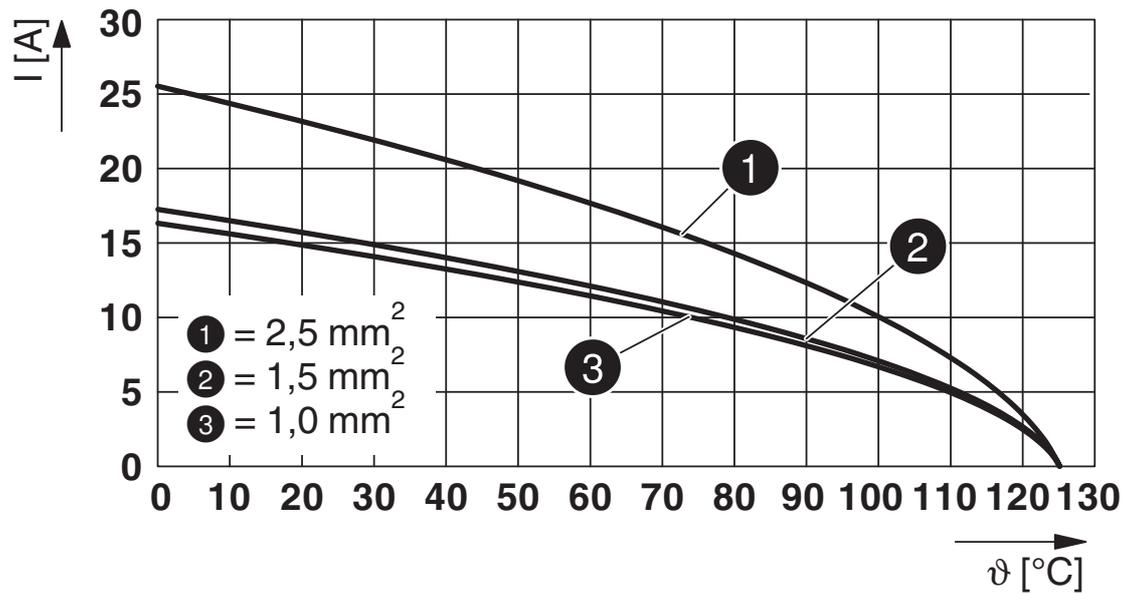
Drawings

Dimensional drawing



Dimensional drawing

Diagram



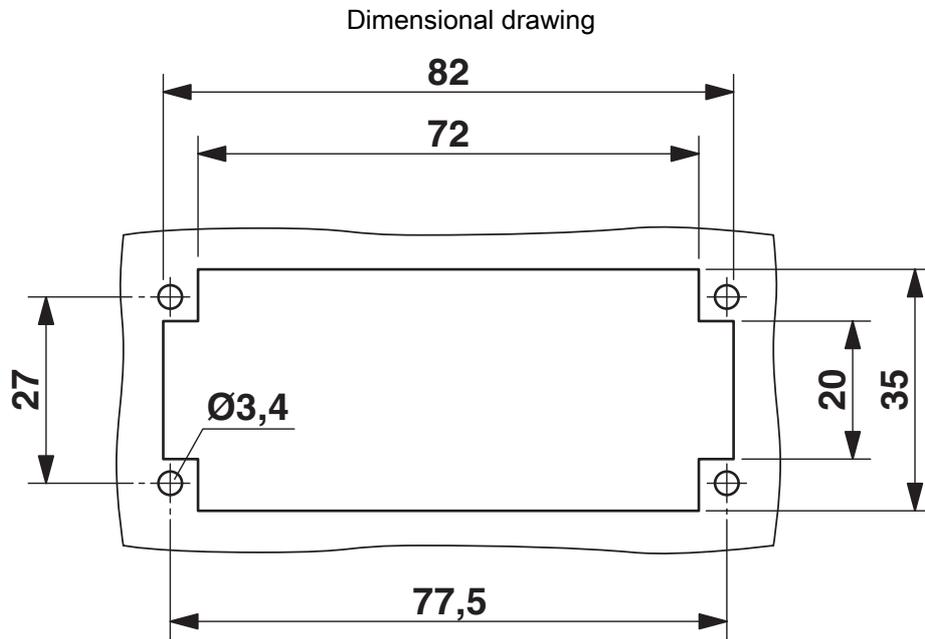
Derating diagram

HC-B16-I-PT-CI-F - Contact insert



1350013

<https://www.phoenixcontact.com/us/products/1350013>



Mounting cutout when used without housing

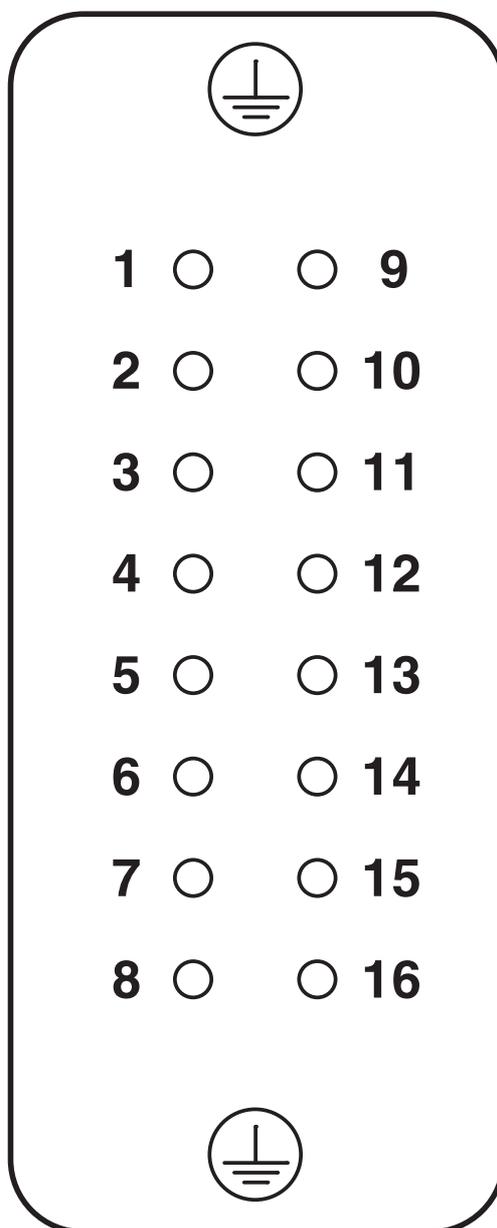
HC-B16-I-PT-CI-F - Contact insert

1350013

<https://www.phoenixcontact.com/us/products/1350013>



Schematic diagram



Connector pin assignment, connection side

HC-B16-I-PT-CI-F - Contact insert



1350013

<https://www.phoenixcontact.com/us/products/1350013>

Approvals

 cULus Recognized Approval ID: E468743	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	600 V	13 A	- 14	-

HC-B16-I-PT-CI-F - Contact insert



1350013

<https://www.phoenixcontact.com/us/products/1350013>

Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-12.0	27440205
ECLASS-13.0	27440205

ETIM

ETIM 8.0	EC000438
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UNSPSC

UNSPSC 21.0	39121500
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HC-B16-I-PT-CI-F - Contact insert



1350013

<https://www.phoenixcontact.com/us/products/1350013>

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

HC-B16-I-PT-CI-M - Contact insert



1350015

<https://www.phoenixcontact.com/us/products/1350015>

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Contact insert, number of positions: 16+2 PE, size: B16, number of connections per position: 1, Pin, Push-in connection, 500 V, 16 A, 0.14 mm² ... 2.5 mm², application: Power, tool-free Click-in mounting

Your advantages

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- Easy integration: Click-in contact inserts fit in all plastic and metal housings of the HEAVYCON STANDARD and EVO series
- Automatic cabling with robots possible
- Safe wiring and operation with color-coded actuators
- Cost-effective and fast coding with plastic profiles
- Test connection for 2 mm test plug

Commercial Data

Item number	1350015
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	B10
Product Key	BF7ABC
GTIN	4063151667757
Weight per Piece (including packing)	80.1 g
Weight per Piece (excluding packing)	70.2 g
Customs tariff number	85366990
Country of origin	CN

HC-B16-I-PT-CI-M - Contact insert



1350015

<https://www.phoenixcontact.com/us/products/1350015>

Technical Data

Notes

General	only use flexible conductors with ferrules
General	Connectors may be operated only when there is no load/voltage.

Mounting

Mounting type	tool-free snap-in
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required tool-free snap-in into all plastic and metal housings of the HEAVYCON STANDARD and EVO series, and into metal housings of the HEAVYCON ADVANCED series

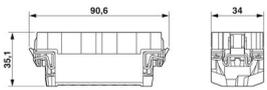
Product properties

Type	B16
Product type	Contact insert with a fixed no. of positions
Number of positions	16
Connection profile	16+2+PE
Contact numbering	1 - 16
Application	Power
Number of connections per position	1
Contact type	rolled
Series	HC-B

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	34.4 mm
Length	84 mm
Drill hole distance, horizontal	77.5 mm
Drill hole distance, vertical	27 mm

Mechanical characteristics

Contact diameter	2.5 mm
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Connection data

Connection technology

HC-B16-I-PT-CI-M - Contact insert



1350015

<https://www.phoenixcontact.com/us/products/1350015>

Connection technology	Push-in connection
Number of connections per position	1

Conductor connection

Conductor cross section	0.14 mm ² ... 2.5 mm ²
Connection cross section AWG	26 ... 14
Stripping length	8 mm ... 10 mm

Electrical properties

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A (power contacts)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag/Sn (tarnish protection)
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
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Standards and regulations

Testing

Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
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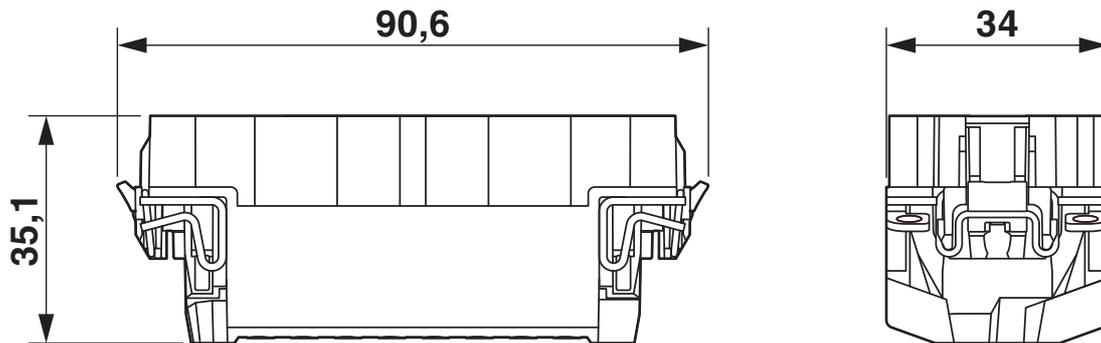
HC-B16-I-PT-CI-M - Contact insert

1350015

<https://www.phoenixcontact.com/us/products/1350015>

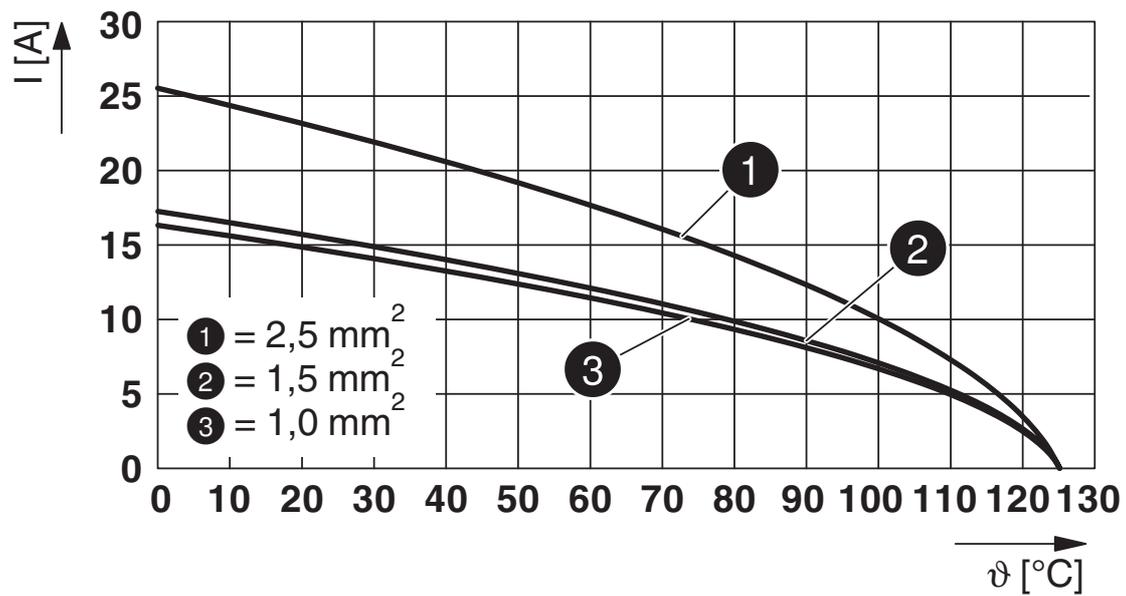
Drawings

Dimensional drawing



Dimensional drawing

Diagram



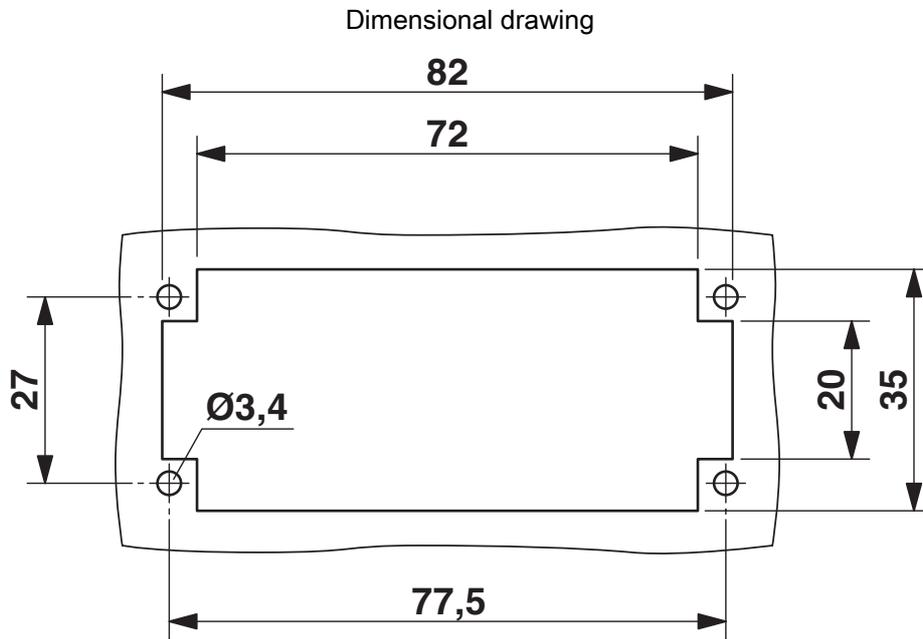
Derating diagram

HC-B16-I-PT-CI-M - Contact insert



1350015

<https://www.phoenixcontact.com/us/products/1350015>



Mounting cutout when used without housing

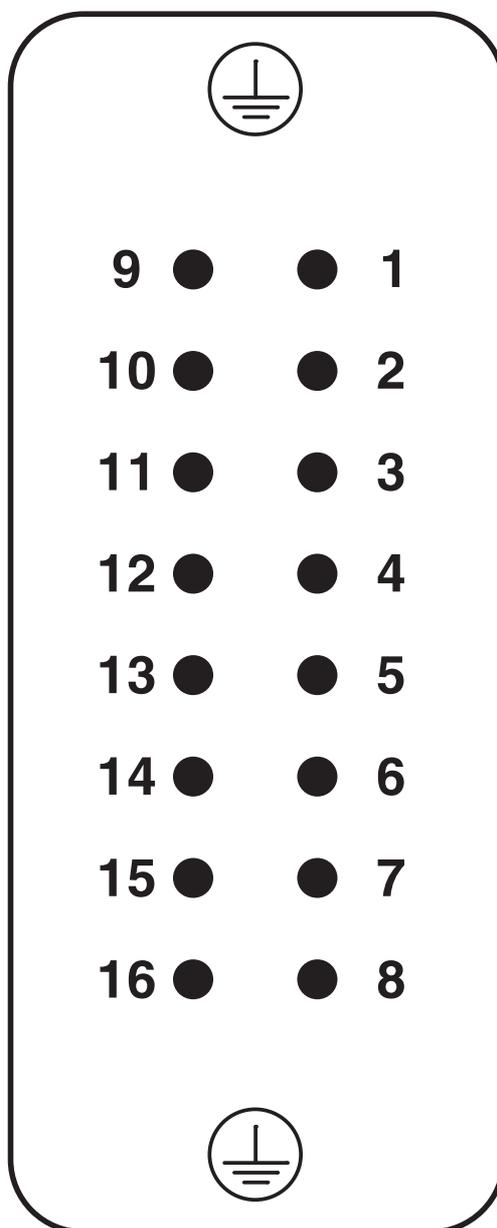
HC-B16-I-PT-CI-M - Contact insert

1350015

<https://www.phoenixcontact.com/us/products/1350015>



Schematic diagram



Connector pin assignment, connection side

HC-B16-I-PT-CI-M - Contact insert



1350015

<https://www.phoenixcontact.com/us/products/1350015>

Approvals

 cULus Recognized Approval ID: E468743	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	600 V	13 A	- 14	-

HC-B16-I-PT-CI-M - Contact insert



1350015

<https://www.phoenixcontact.com/us/products/1350015>

Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-12.0	27440205
ECLASS-13.0	27440205

ETIM

ETIM 8.0	EC000438
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UNSPSC

UNSPSC 21.0	39121500
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HC-B16-I-PT-CI-M - Contact insert



1350015

<https://www.phoenixcontact.com/us/products/1350015>

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

HC-B10-I-PT-CI-F - Contact insert



1350017

<https://www.phoenixcontact.com/us/products/1350017>

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Contact insert, number of positions: 10+2 PE, size: B10, number of connections per position: 1, Socket, Push-in connection, 500 V, 16 A, 0.14 mm² ... 2.5 mm², application: Power, tool-free Click-in mounting

Your advantages

- Significant time savings and improved handling: Consistent and easy tool-free installation and mounting with Push-in connection technology and innovative Click-in latching
- Tool-free installation and mounting of the PE connection with Push-in connection technology
- Shortest installation time compared to other connection technologies
- Quick and effortless wiring, in particular when space is tight
- Secure installation: Audible and tangible latching of the contact inserts in the connector housing
- Reliable connection: The Click-in contact insert latches into the housing creating a shock- and vibration-resistant connection in accordance with DIN EN 61373
- Easy integration: Click-in contact inserts fit in all plastic and metal housings of the HEAVYCON STANDARD and EVO series
- Automatic cabling with robots possible
- Safe wiring and operation with color-coded actuators
- Cost-effective and fast coding with plastic profiles
- Test connection for 2 mm test plug

Commercial Data

Item number	1350017
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	B10
Product Key	BF7ABC
GTIN	4063151669133
Weight per Piece (including packing)	65.4 g
Weight per Piece (excluding packing)	65.4 g
Customs tariff number	85366990
Country of origin	CN

HC-B10-I-PT-CI-F - Contact insert



1350017

<https://www.phoenixcontact.com/us/products/1350017>

Technical Data

Notes

General	only use flexible conductors with ferrules
General	Connectors may be operated only when there is no load/voltage.

Mounting

Mounting type	tool-free snap-in
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required tool-free snap-in into all plastic and metal housings of the HEAVYCON STANDARD and EVO series, and into metal housings of the HEAVYCON ADVANCED series

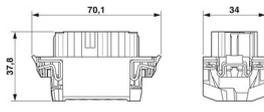
Product properties

Type	B10
Product type	Contact insert with a fixed no. of positions
Number of positions	10
Connection profile	10+2+PE
Contact numbering	1 - 10
Application	Power
Number of connections per position	1
Contact type	rolled
Series	HC-B

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	37 mm
Length	64 mm
Drill hole distance, horizontal	57 mm
Drill hole distance, vertical	27 mm

Mechanical characteristics

Contact diameter	2.5 mm
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Connection data

Connection technology	
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HC-B10-I-PT-CI-F - Contact insert



1350017

<https://www.phoenixcontact.com/us/products/1350017>

Connection technology	Push-in connection
Number of connections per position	1

Conductor connection

Conductor cross section	0.14 mm ² ... 2.5 mm ²
Connection cross section AWG	26 ... 14
Stripping length	8 mm ... 10 mm

Electrical properties

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A (power contacts)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag/Sn (tarnish protection)
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
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Standards and regulations

Testing

Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
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HC-B10-I-PT-CI-F - Contact insert

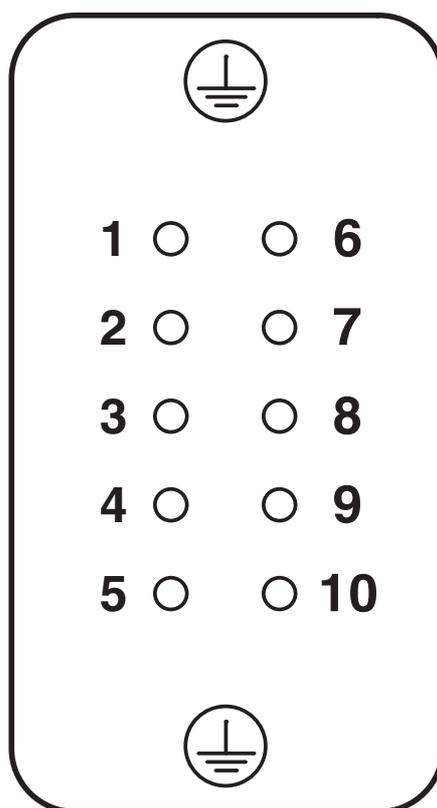


1350017

<https://www.phoenixcontact.com/us/products/1350017>

Drawings

Schematic diagram

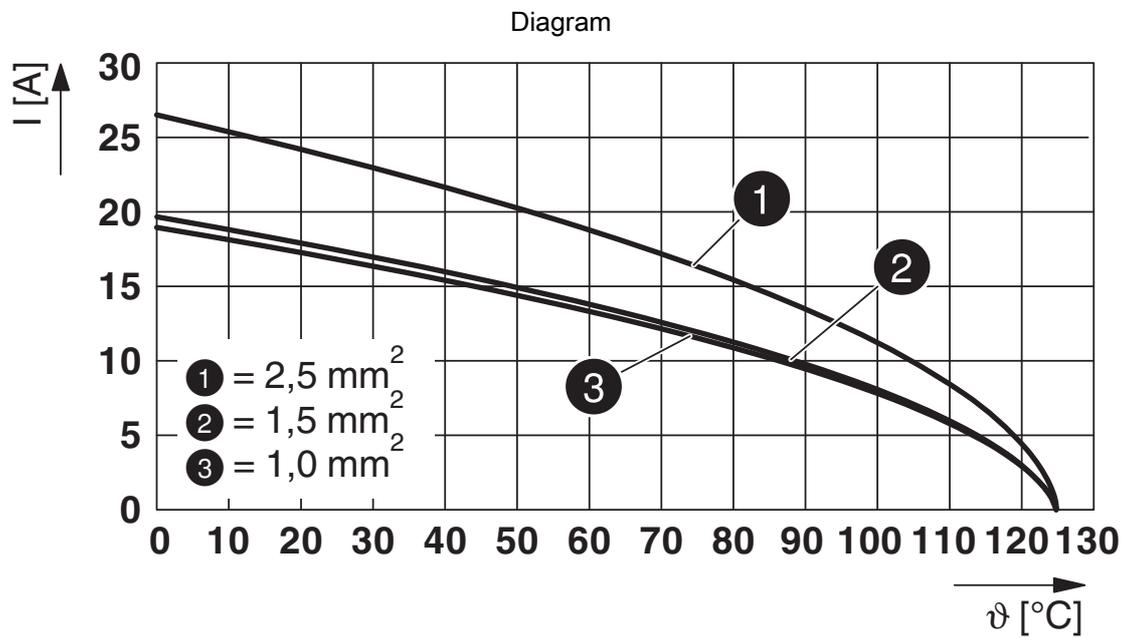


Connector pin assignment, connection side

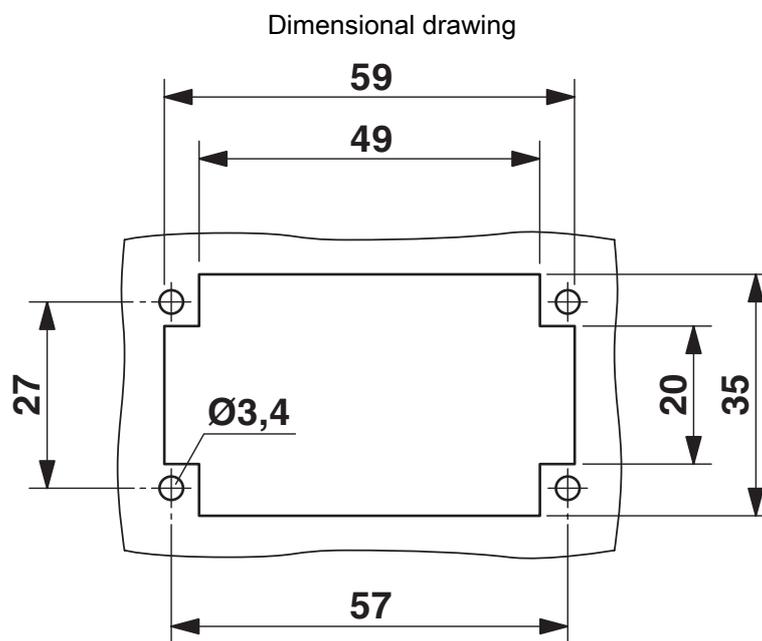
HC-B10-I-PT-CI-F - Contact insert

1350017

<https://www.phoenixcontact.com/us/products/1350017>



Derating diagram



Mounting cutout when used without housing

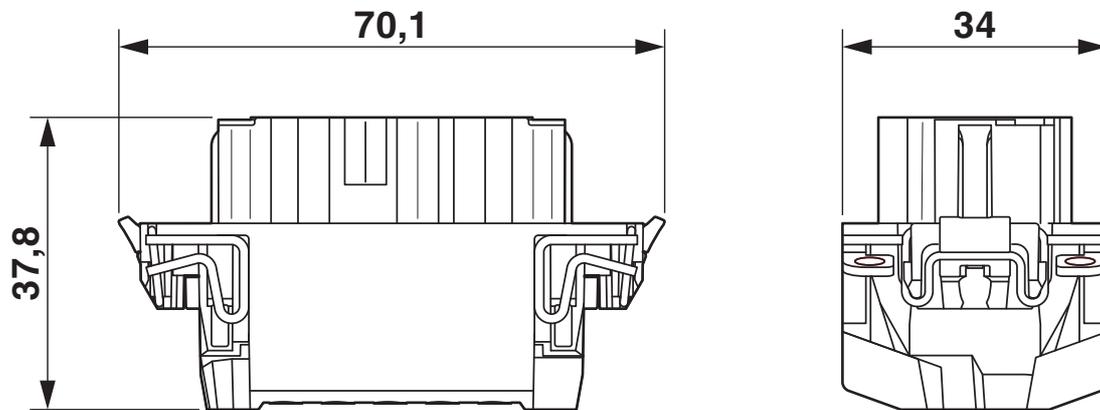
HC-B10-I-PT-CI-F - Contact insert



1350017

<https://www.phoenixcontact.com/us/products/1350017>

Dimensional drawing



Dimensional drawing

HC-B10-I-PT-CI-F - Contact insert



1350017

<https://www.phoenixcontact.com/us/products/1350017>

Approvals

 cULus Recognized Approval ID: E468743	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	600 V	13 A	- 14	-

HC-B10-I-PT-CI-F - Contact insert



1350017

<https://www.phoenixcontact.com/us/products/1350017>

Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-12.0	27440205
ECLASS-13.0	27440205

ETIM

ETIM 8.0	EC000438
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UNSPSC

UNSPSC 21.0	39121500
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HC-B10-I-PT-CI-F - Contact insert



1350017

<https://www.phoenixcontact.com/us/products/1350017>

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

HC-B10-I-PT-CI-M - Contact insert



1350020

<https://www.phoenixcontact.com/us/products/1350020>

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Contact insert, number of positions: 10+2 PE, size: B10, number of connections per position: 1, Pin, Push-in connection, 500 V, 16 A, 0.14 mm² ... 2.5 mm², application: Power, tool-free Click-in mounting

Your advantages

- Significant time savings and improved handling: Consistent and easy tool-free installation and mounting with Push-in connection technology and innovative Click-in latching
- Tool-free installation and mounting of the PE connection with Push-in connection technology
- Shortest installation time compared to other connection technologies
- Quick and effortless wiring, in particular when space is tight
- Secure installation: Audible and tangible latching of the contact inserts in the connector housing
- Reliable connection: The Click-in contact insert latches into the housing creating a shock- and vibration-resistant connection in accordance with DIN EN 61373
- Easy integration: Click-in contact inserts fit in all plastic and metal housings of the HEAVYCON STANDARD and EVO series
- Automatic cabling with robots possible
- Safe wiring and operation with color-coded actuators
- Cost-effective and fast coding with plastic profiles
- Test connection for 2 mm test plug

Commercial Data

Item number	1350020
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	B10
Product Key	BF7ABC
GTIN	4063151669201
Weight per Piece (including packing)	60.8 g
Weight per Piece (excluding packing)	60.8 g
Customs tariff number	85366990
Country of origin	CN

HC-B10-I-PT-CI-M - Contact insert



1350020

<https://www.phoenixcontact.com/us/products/1350020>

Technical Data

Notes

General	only use flexible conductors with ferrules
General	Connectors may be operated only when there is no load/voltage.

Mounting

Mounting type	tool-free snap-in
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required tool-free snap-in into all plastic and metal housings of the HEAVYCON STANDARD and EVO series, and into metal housings of the HEAVYCON ADVANCED series

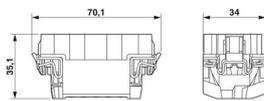
Product properties

Type	B10
Product type	Contact insert with a fixed no. of positions
Number of positions	10
Connection profile	10+2+PE
Contact numbering	1 - 10
Application	Power
Number of connections per position	1
Contact type	rolled
Series	HC-B

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	34.4 mm
Length	64 mm
Drill hole distance, horizontal	57 mm
Drill hole distance, vertical	27 mm

Mechanical characteristics

Contact diameter	2.5 mm
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Connection data

Connection technology	
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HC-B10-I-PT-CI-M - Contact insert



1350020

<https://www.phoenixcontact.com/us/products/1350020>

Connection technology	Push-in connection
Number of connections per position	1

Conductor connection

Conductor cross section	0.14 mm ² ... 2.5 mm ²
Connection cross section AWG	26 ... 14
Stripping length	8 mm ... 10 mm

Electrical properties

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A (power contacts)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag/Sn (tarnish protection)
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
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Standards and regulations

Testing

Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
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HC-B10-I-PT-CI-M - Contact insert

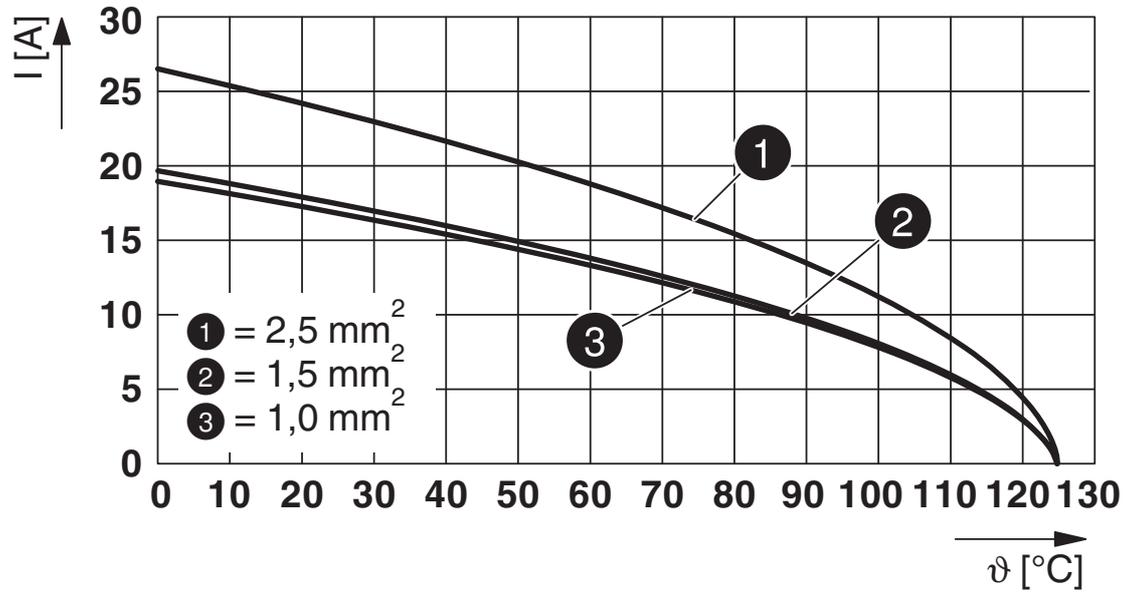


1350020

<https://www.phoenixcontact.com/us/products/1350020>

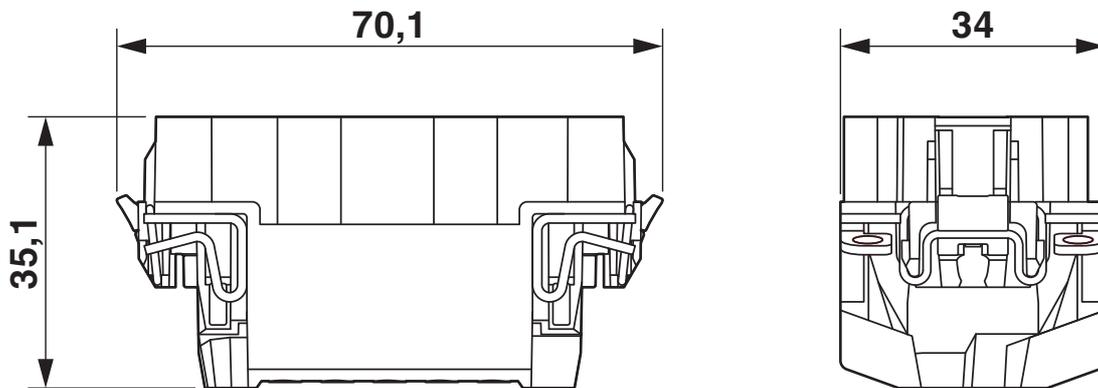
Drawings

Diagram



Derating diagram

Dimensional drawing

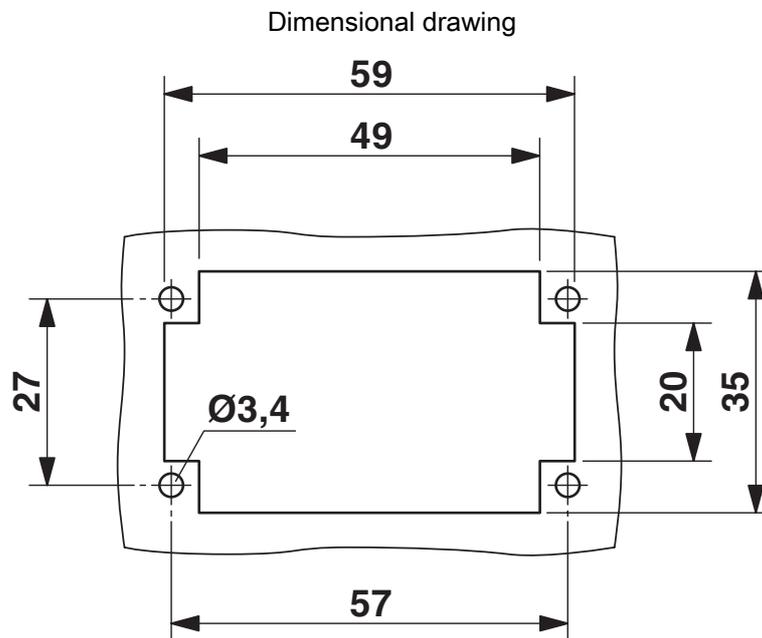


Dimensional drawing

HC-B10-I-PT-CI-M - Contact insert

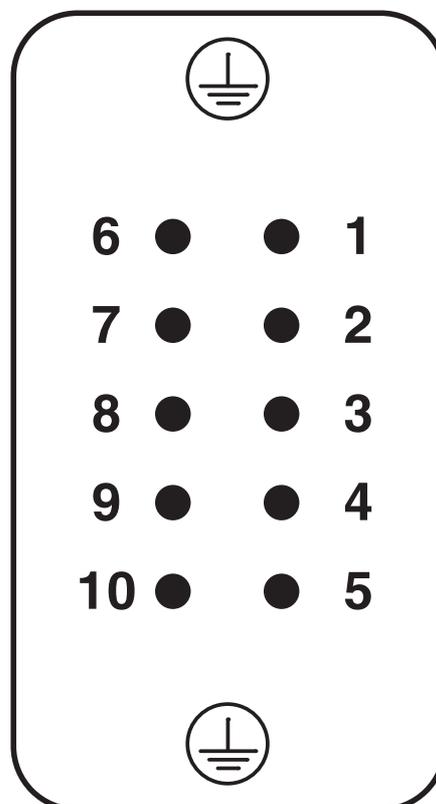
1350020

<https://www.phoenixcontact.com/us/products/1350020>



Mounting cutout when used without housing

Schematic diagram



Connector pin assignment, connection side

HC-B10-I-PT-CI-M - Contact insert



1350020

<https://www.phoenixcontact.com/us/products/1350020>

Approvals

 cULus Recognized Approval ID: E468743	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	600 V	13 A	- 14	-

HC-B10-I-PT-CI-M - Contact insert



1350020

<https://www.phoenixcontact.com/us/products/1350020>

Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-12.0	27440205
ECLASS-13.0	27440205

ETIM

ETIM 8.0	EC000438
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UNSPSC

UNSPSC 21.0	39121500
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HC-B10-I-PT-CI-M - Contact insert



1350020

<https://www.phoenixcontact.com/us/products/1350020>

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

HC-B06-I-PT-CI-F - Contact insert



1350024

<https://www.phoenixcontact.com/us/products/1350024>

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Contact insert, number of positions: 6+2 PE, size: B6, number of connections per position: 1, Socket, Push-in connection, 500 V, 16 A, 0.14 mm² ... 2.5 mm², application: Power, tool-free Click-in mounting

Your advantages

- Significant time savings and improved handling: Consistent and easy tool-free installation and mounting with Push-in connection technology and innovative Click-in latching
- Tool-free installation and mounting of the PE connection with Push-in connection technology
- Shortest installation time compared to other connection technologies
- Quick and effortless wiring, in particular when space is tight
- Secure installation: Audible and tangible latching of the contact inserts in the connector housing
- Reliable connection: The Click-in contact insert latches into the housing creating a shock- and vibration-resistant connection in accordance with DIN EN 61373
- Easy integration: Click-in contact inserts fit in all plastic and metal housings of the HEAVYCON STANDARD and EVO series
- Automatic cabling with robots possible
- Safe wiring and operation with color-coded actuators
- Cost-effective and fast coding with plastic profiles
- Test connection for 2 mm test plug

Commercial Data

Item number	1350024
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	B10
Product Key	BF7ABC
GTIN	4063151668938
Weight per Piece (including packing)	50.8 g
Weight per Piece (excluding packing)	50.8 g
Customs tariff number	85366990
Country of origin	CN

HC-B06-I-PT-CI-F - Contact insert



1350024

<https://www.phoenixcontact.com/us/products/1350024>

Technical Data

Notes

General	only use flexible conductors with ferrules
General	Connectors may be operated only when there is no load/voltage.

Mounting

Mounting type	tool-free snap-in
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required tool-free snap-in into all plastic and metal housings of the HEAVYCON STANDARD and EVO series, and into metal housings of the HEAVYCON ADVANCED series

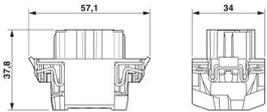
Product properties

Type	B6
Product type	Contact insert with a fixed no. of positions
Number of positions	6
Connection profile	6+2+PE
Contact numbering	1 - 6
Application	Power
Number of connections per position	1
Contact type	rolled
Series	HC-B

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	37 mm
Length	50.5 mm
Drill hole distance, horizontal	44 mm
Drill hole distance, vertical	27 mm

Mechanical characteristics

Contact diameter	2.5 mm
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Connection data

HC-B06-I-PT-CI-F - Contact insert



1350024

<https://www.phoenixcontact.com/us/products/1350024>

Connection technology

Connection technology	Push-in connection
Number of connections per position	1

Conductor connection

Conductor cross section	0.14 mm ² ... 2.5 mm ²
Connection cross section AWG	26 ... 14
Stripping length	8 mm ... 10 mm

Electrical properties

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A (power contacts)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag/Sn (tarnish protection)
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
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Standards and regulations

Testing

Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
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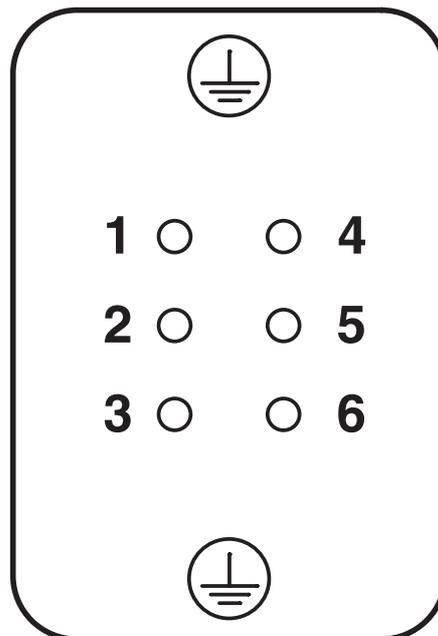
HC-B06-I-PT-CI-F - Contact insert

1350024

<https://www.phoenixcontact.com/us/products/1350024>

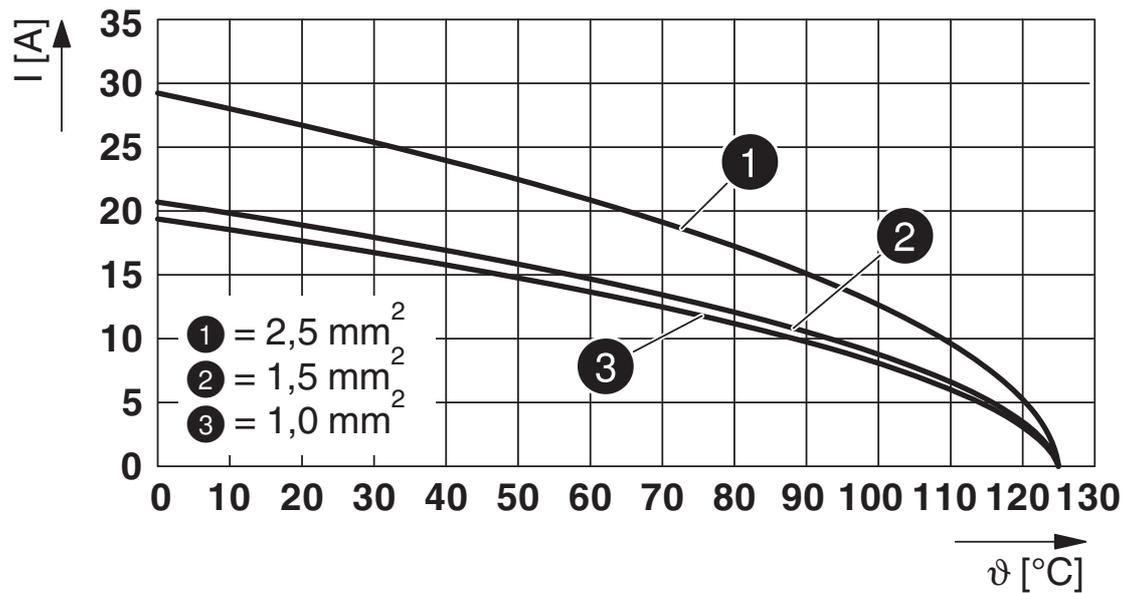
Drawings

Schematic diagram



Connector pin assignment, connection side

Diagram



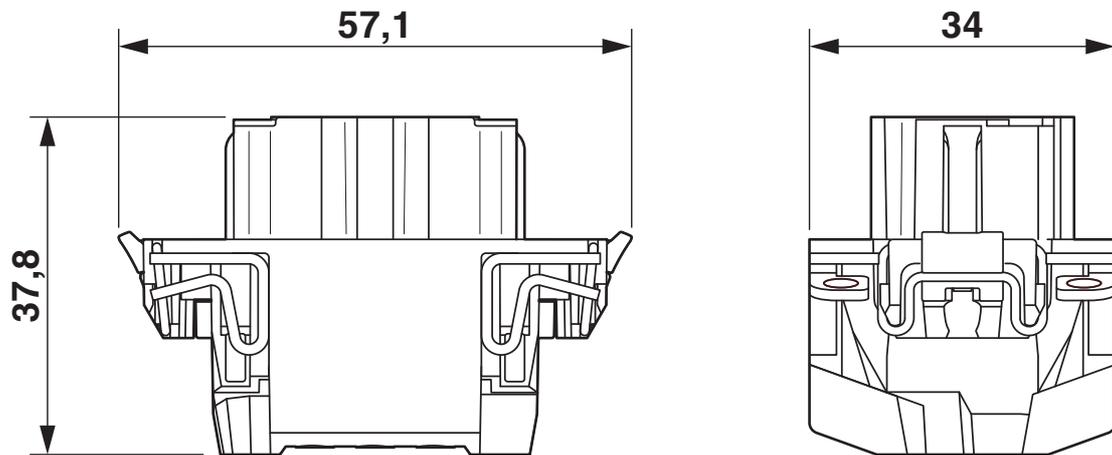
Derating diagram

HC-B06-I-PT-CI-F - Contact insert

1350024

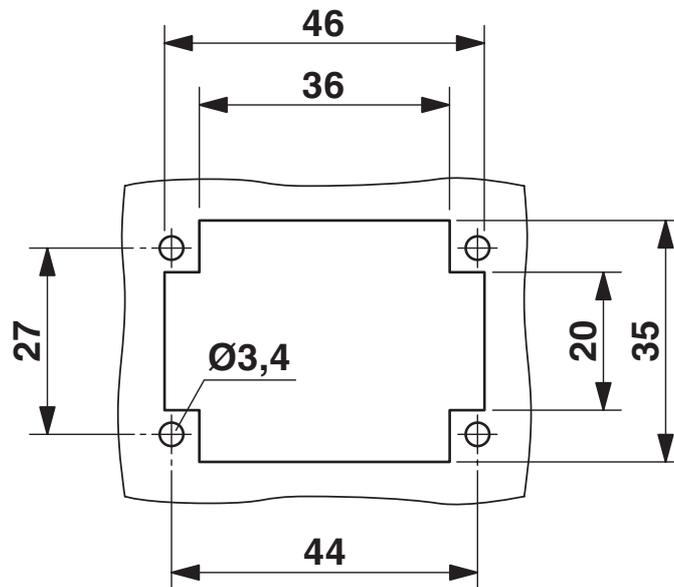
<https://www.phoenixcontact.com/us/products/1350024>

Dimensional drawing



Dimensional drawing

Dimensional drawing



Mounting cutout when used without housing

HC-B06-I-PT-CI-F - Contact insert



1350024

<https://www.phoenixcontact.com/us/products/1350024>

Approvals

 cULus Recognized Approval ID: E468743	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	600 V	13 A	- 14	-

HC-B06-I-PT-CI-F - Contact insert



1350024

<https://www.phoenixcontact.com/us/products/1350024>

Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-12.0	27440205
ECLASS-13.0	27440205

ETIM

ETIM 8.0	EC000438
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UNSPSC

UNSPSC 21.0	39121500
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HC-B06-I-PT-CI-F - Contact insert



1350024

<https://www.phoenixcontact.com/us/products/1350024>

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

HC-B06-I-PT-CI-M - Contact insert



1350025

<https://www.phoenixcontact.com/us/products/1350025>

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Contact insert, number of positions: 6+2 PE, size: B6, number of connections per position: 1, Pin, Push-in connection, 500 V, 16 A, 0.14 mm² ... 2.5 mm², application: Power, tool-free Click-in mounting

Your advantages

- Significant time savings and improved handling: Consistent and easy tool-free installation and mounting with Push-in connection technology and innovative Click-in latching
- Tool-free installation and mounting of the PE connection with Push-in connection technology
- Shortest installation time compared to other connection technologies
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- Secure installation: Audible and tangible latching of the contact inserts in the connector housing
- Reliable connection: The Click-in contact insert latches into the housing creating a shock- and vibration-resistant connection in accordance with DIN EN 61373
- Easy integration: Click-in contact inserts fit in all plastic and metal housings of the HEAVYCON STANDARD and EVO series
- Automatic cabling with robots possible
- Safe wiring and operation with color-coded actuators
- Cost-effective and fast coding with plastic profiles
- Test connection for 2 mm test plug

Commercial Data

Item number	1350025
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	B10
Product Key	BF7ABC
GTIN	4063151668488
Weight per Piece (including packing)	48.6 g
Weight per Piece (excluding packing)	48.6 g
Customs tariff number	85366990
Country of origin	CN

HC-B06-I-PT-CI-M - Contact insert



1350025

<https://www.phoenixcontact.com/us/products/1350025>

Technical Data

Notes

General	only use flexible conductors with ferrules
General	Connectors may be operated only when there is no load/voltage.

Mounting

Mounting type	tool-free snap-in
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required tool-free snap-in into all plastic and metal housings of the HEAVYCON STANDARD and EVO series, and into metal housings of the HEAVYCON ADVANCED series

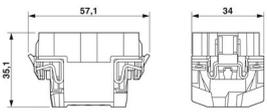
Product properties

Type	B6
Product type	Contact insert with a fixed no. of positions
Number of positions	6
Connection profile	6+2+PE
Contact numbering	1 - 6
Application	Power
Number of connections per position	1
Contact type	rolled
Series	HC-B

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	34.4 mm
Length	50.5 mm
Drill hole distance, horizontal	44 mm
Drill hole distance, vertical	27 mm

Mechanical characteristics

Contact diameter	2.5 mm
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Connection data

HC-B06-I-PT-CI-M - Contact insert



1350025

<https://www.phoenixcontact.com/us/products/1350025>

Connection technology

Connection technology	Push-in connection
Number of connections per position	1

Conductor connection

Conductor cross section	0.14 mm ² ... 2.5 mm ²
Connection cross section AWG	26 ... 14
Stripping length	8 mm ... 10 mm

Electrical properties

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A (power contacts)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag/Sn (tarnish protection)
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
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Standards and regulations

Testing

Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
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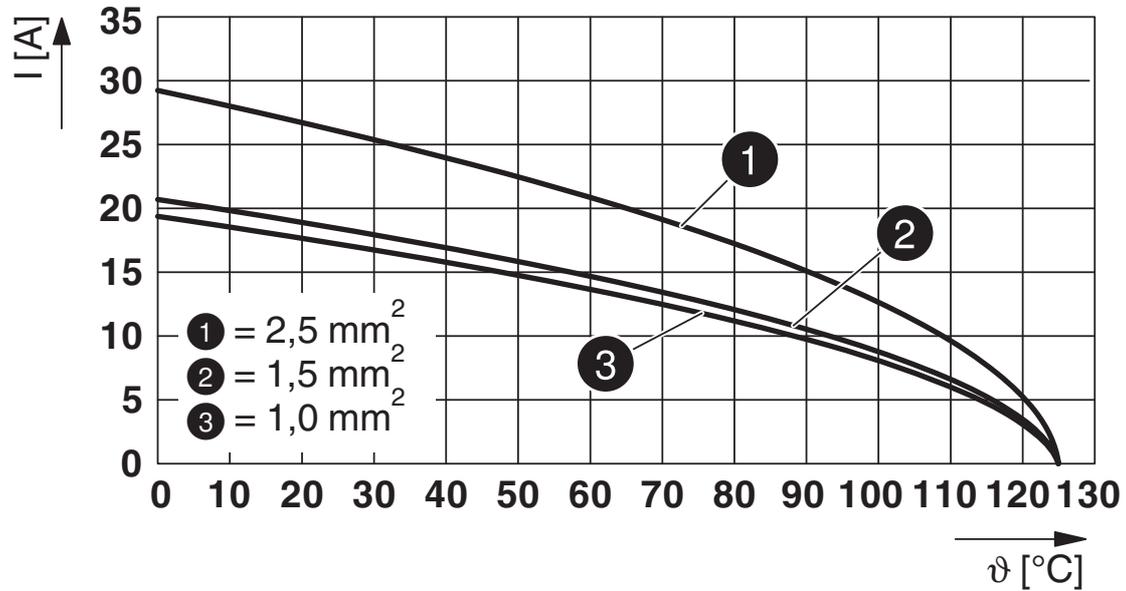
HC-B06-I-PT-CI-M - Contact insert

1350025

<https://www.phoenixcontact.com/us/products/1350025>

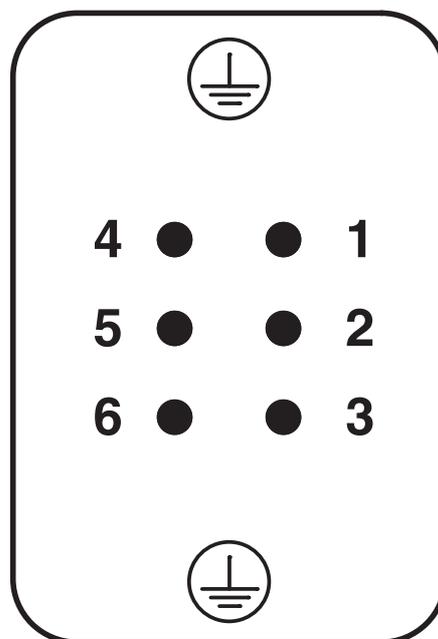
Drawings

Diagram



Derating diagram

Schematic diagram



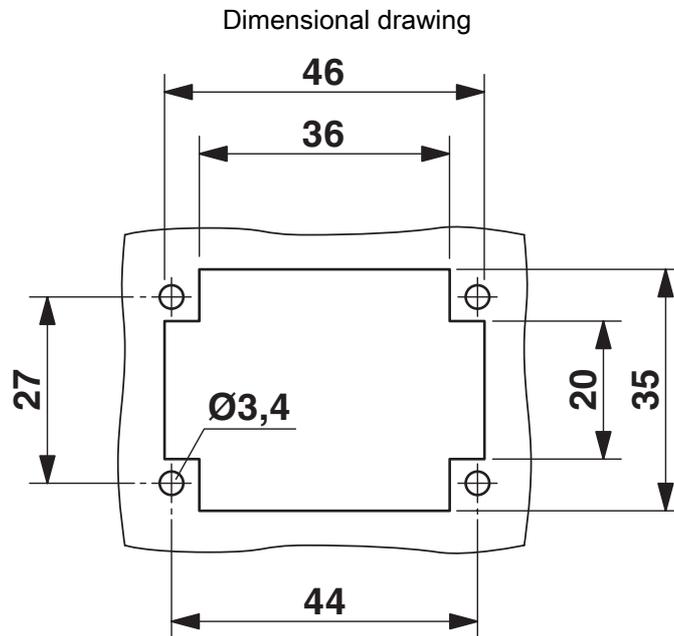
Connector pin assignment, connection side

HC-B06-I-PT-CI-M - Contact insert

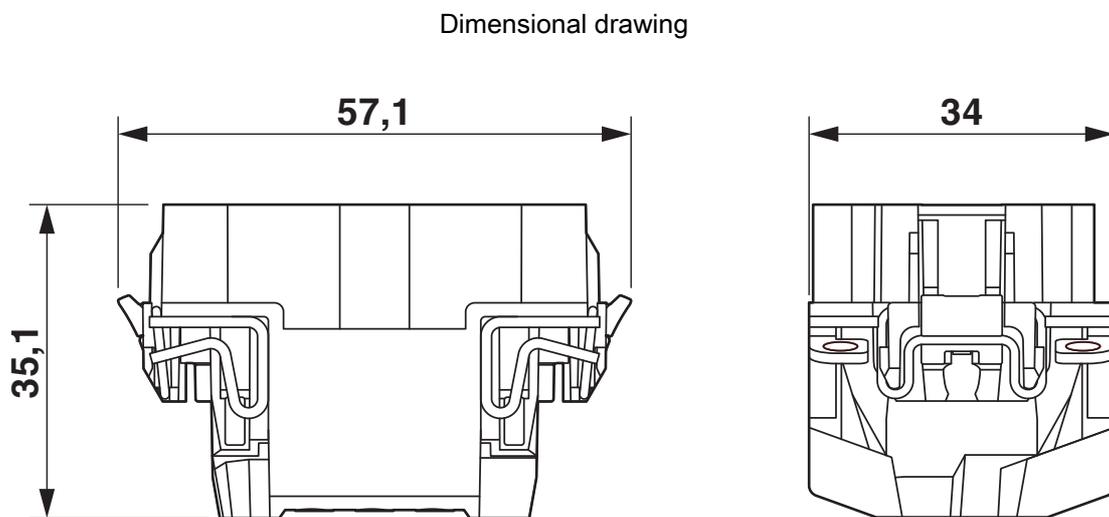


1350025

<https://www.phoenixcontact.com/us/products/1350025>



Mounting cutout when used without housing



Dimensional drawing

HC-B06-I-PT-CI-M - Contact insert



1350025

<https://www.phoenixcontact.com/us/products/1350025>

Approvals

 cULus Recognized Approval ID: E468743	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	600 V	13 A	- 14	-

HC-B06-I-PT-CI-M - Contact insert



1350025

<https://www.phoenixcontact.com/us/products/1350025>

Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-12.0	27440205
ECLASS-13.0	27440205

ETIM

ETIM 8.0	EC000438
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UNSPSC

UNSPSC 21.0	39121500
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HC-B06-I-PT-CI-M - Contact insert



1350025

<https://www.phoenixcontact.com/us/products/1350025>

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values