

Installation systems

IPD installation system 2.5 mm²

Panel feed-throughs, 2.5 mm², with Push-in connection on both sides

- Devices no longer need to be opened in order to connect the cables
- User-friendly connection, even on devices that are difficult to access
- For internal Push-in connection, rigid conductors are simply stripped and inserted in the connection
- Touch-proof in accordance with DIN EN 50274
- Also available in black

new



2-pos. + PE

new



4-pos. + PE

	Technical data			Technical data		
	3+PE-pos.			4+PE-pos.		
General data						
Degree of protection	IP66 / IP68			IP66 / IP68		
Electrical data						
Rated voltage (III/3)	690 V			690 V		
Rated surge voltage	6 kV			6 kV		
Rated current	20 A			20 A		
Overvoltage category / Degree of pollution	III / 3			III / 3		
Material data						
Housing material	PA			PA		
Contact material	Cu			Cu		
Mechanical data						
Impact category	IK07			IK07		
Color	light gray			light gray		
Connection frequency	max. 10			max. 10		
Conductor cross section [mm²] rigid/flexible	0.5 mm² ... 2.5 mm² / 0.5 mm² ... 2.5 mm²			0.5 mm² ... 2.5 mm² / 0.5 mm² ... 2.5 mm²		
Temperature data						
Ambient temperature (operation)	-40°C ... 100°C			-40°C ... 100°C		
	Ordering data			Ordering data		
	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Description						
Panel feed-through, with M20x1.5 mounting flange	IPD WD 3P2,5 M20 GY	1047319	1			
Panel feed-through, with M25x1.5 mounting flange	IPD WD 3P2,5 M25 GY	1047322	1	IPD WD 5P2,5 M25 GY	1047344	1

Panel feed-through - IPD WD 3P2,5 M20 BK - 1047321

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Panel feed-through, Push-in connection, number of positions: 2+PE, 0.5 mm² ... 2.5 mm², 690 V, 20 A, black, cable diameter range: 6 mm ... 9 mm and 8 mm ... 13 mm, Push-in connection

Your advantages

- ✓ Convenient: quick and easy assembly without special tools
- ✓ Efficient - by using panel feed-throughs, devices no longer need to be opened in order to connect cables

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 647197
GTIN	4055626647197
Weight per Piece (excluding packing)	80.000 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

General

Color	black
Connection method	Push-in connection
	Push-in connection
Number of positions	3
Note number of positions	2+PE
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section solid min.	0.5 mm²

Panel feed-through - IPD WD 3P2,5 M20 BK - 1047321

Technical data

General

Conductor cross section solid max.	2.5 mm ²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	14

Cable

External cable diameter	6 mm ... 9 mm
	8 mm ... 13 mm
Position marking	L, N, PE

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
Ambient temperature (operation)	-40 °C ... 100 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C

Electrical characteristics

Nominal current I _N	20 A
Rated current	20 A
Rated voltage (III/3)	690 V
Rated surge voltage (III/3)	6 kV

Mechanical characteristics

Frequency of connections	max. 10
Insertion/withdrawal cycles	10
Category of shock impact	IK07

Material data

Contact material	Cu
Overvoltage category	III
Degree of pollution	3

Standards and Regulations

Halogen-free	yes
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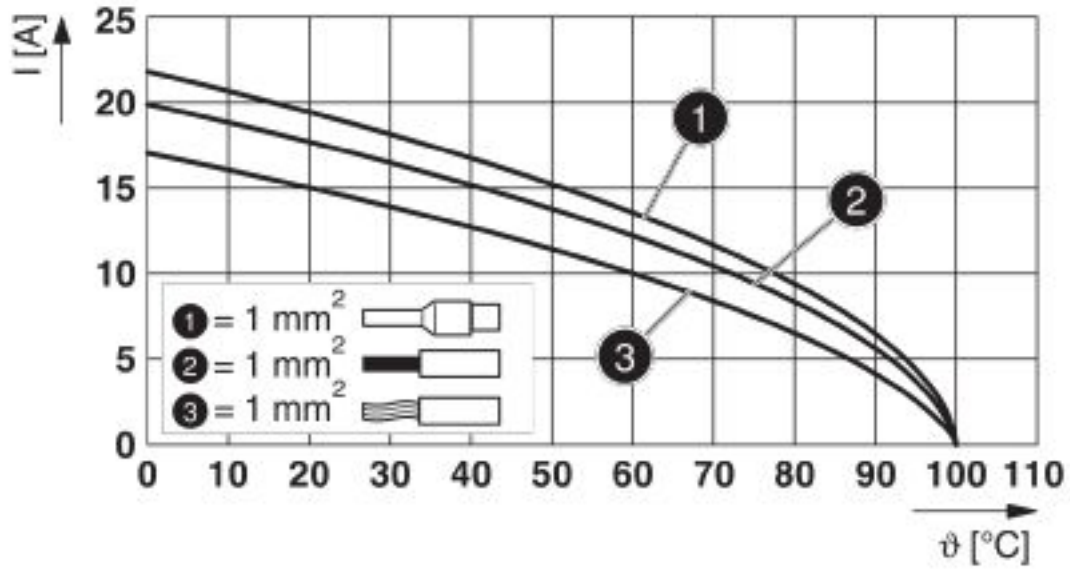
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

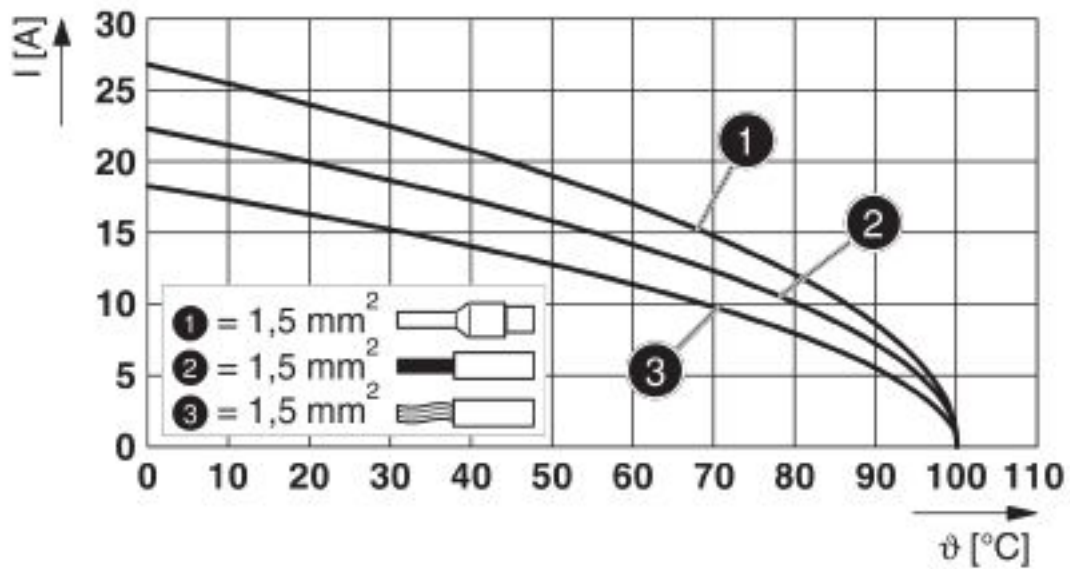
Panel feed-through - IPD WD 3P2,5 M20 BK - 1047321

Diagram



Derating diagram for 1.0 mm²

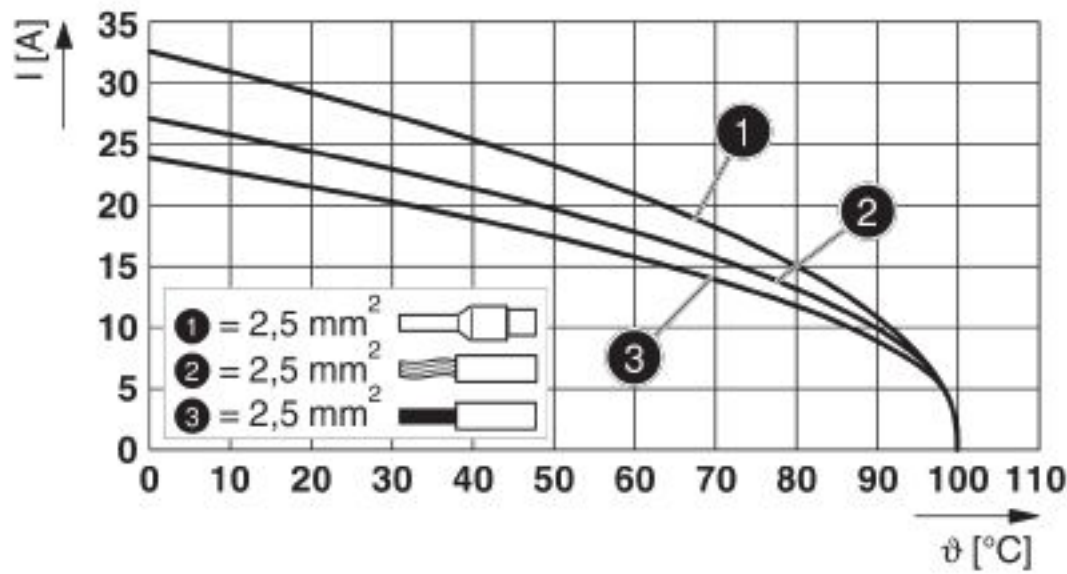
Diagram



Derating diagram for 1.5 mm²

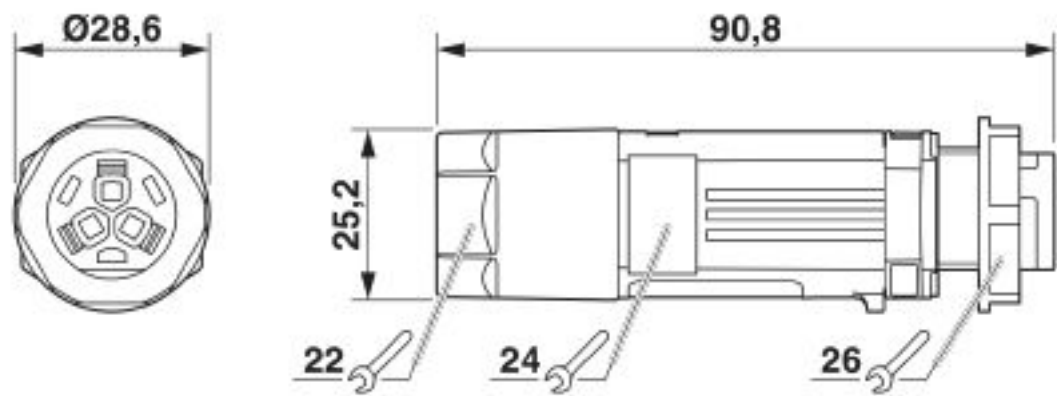
Panel feed-through - IPD WD 3P2,5 M20 BK - 1047321

Diagram



Derating diagram for 2.5 mm²

Dimensional drawing



Classifications

eCl@ss

eCl@ss 7.0	27440602
eCl@ss 8.0	27440602
eCl@ss 9.0	27440602

Panel feed-through - IPD WD 3P2,5 M20 BK - 1047321

Classifications

ETIM

ETIM 5.0	EC002566
ETIM 6.0	EC002566
ETIM 7.0	EC002566

Approvals

Approvals

Approvals

VDE Zeichengenehmigung

Ex Approvals

Approval details

VDE Zeichengenehmigung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40049992
Nominal voltage UN	690 V		
Nominal current IN	20 A		
mm²/AWG/kcmil	2.5		

Panel feed-through - IPD WD 3P2,5 M25 BK - 1047324

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Panel feed-through, Push-in connection, number of positions: 2+PE, 0.5 mm² ... 2.5 mm², 690 V, 20 A, black, cable diameter range: 6 mm ... 9 mm and 8 mm ... 13 mm, Push-in connection

Your advantages

- ✓ Convenient: quick and easy assembly without special tools
- ✓ Efficient - by using panel feed-throughs, devices no longer need to be opened in order to connect cables

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 647692
GTIN	4055626647692
Weight per Piece (excluding packing)	80.000 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

General

Color	black
Connection method	Push-in connection
	Push-in connection
Number of positions	3
Note number of positions	2+PE
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section solid min.	0.5 mm²

Panel feed-through - IPD WD 3P2,5 M25 BK - 1047324

Technical data

General

Conductor cross section solid max.	2.5 mm ²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	14

Cabel

External cable diameter	6 mm ... 9 mm
	8 mm ... 13 mm
Position marking	L, N, PE

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
Ambient temperature (operation)	-40 °C ... 100 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C

Electrical characteristics

Nominal current I _N	20 A
Rated current	20 A
Rated voltage (III/3)	690 V
Rated surge voltage (III/3)	6 kV

Mechanical characteristics

Frequency of connections	max. 10
Insertion/withdrawal cycles	10
Category of shock impact	IK07

Material data

Contact material	Cu
Overvoltage category	III
Degree of pollution	3

Standards and Regulations

Halogen-free	yes
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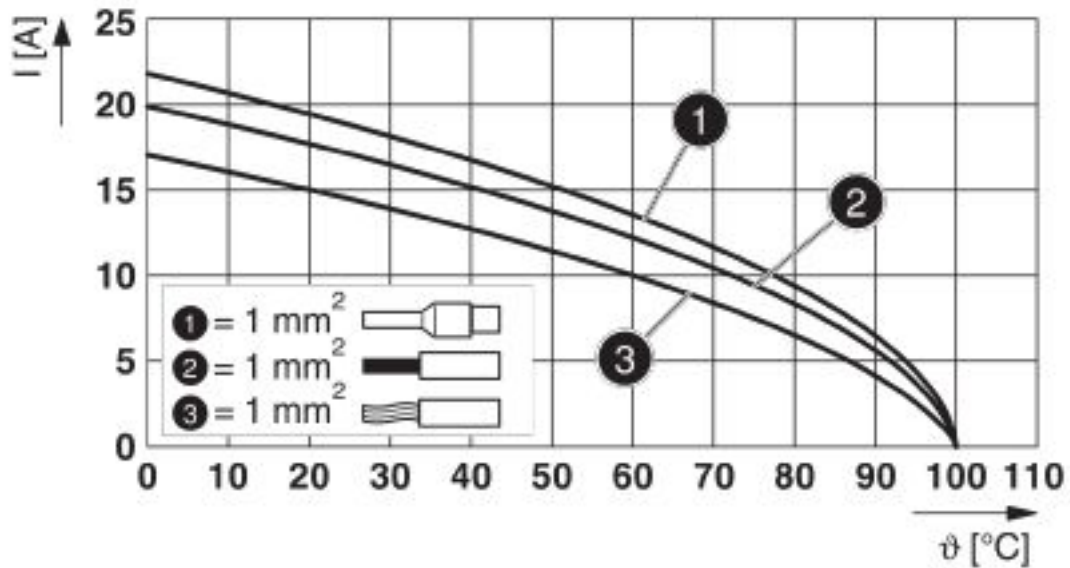
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

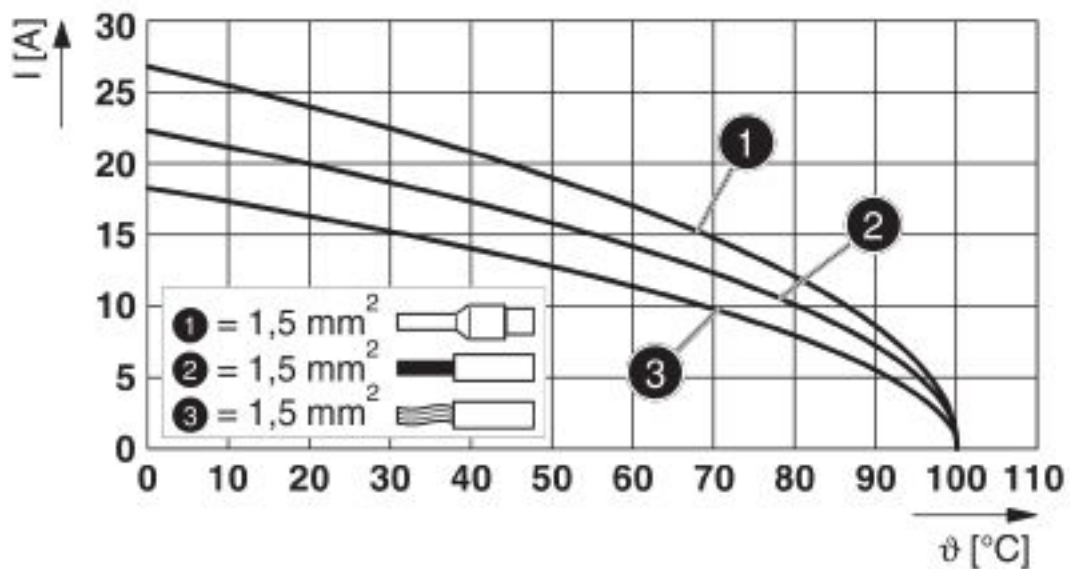
Panel feed-through - IPD WD 3P2,5 M25 BK - 1047324

Diagram



Derating diagram for 1.0 mm²

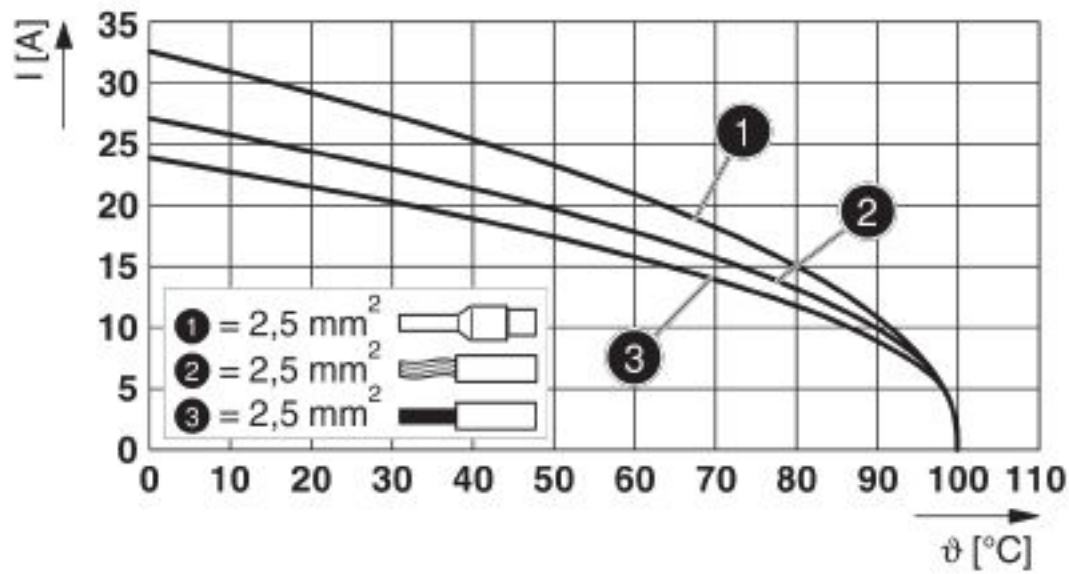
Diagram



Derating diagram for 1.5 mm²

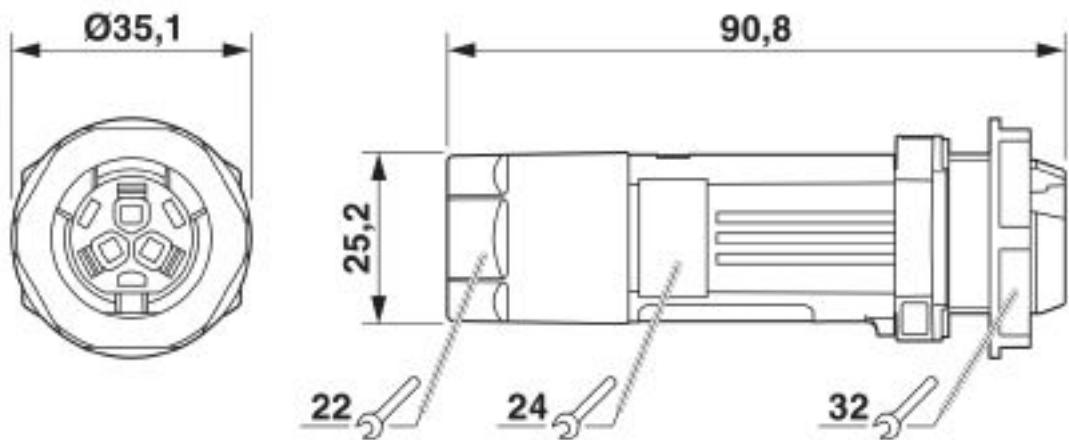
Panel feed-through - IPD WD 3P2,5 M25 BK - 1047324

Diagram



Derating diagram for 2.5 mm²

Dimensional drawing



Classifications

eCl@ss

eCl@ss 7.0	27440602
eCl@ss 8.0	27440602
eCl@ss 9.0	27440602

Panel feed-through - IPD WD 3P2,5 M25 BK - 1047324

Classifications

ETIM

ETIM 5.0	EC002566
ETIM 6.0	EC002566
ETIM 7.0	EC002566

Approvals

Approvals

Approvals

VDE Zeichengenehmigung

Ex Approvals

Approval details

VDE Zeichengenehmigung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40049992
Nominal voltage UN	690 V		
Nominal current IN	20 A		
mm²/AWG/kcmil	2.5		

Panel feed-through - IPD WD 5P2,5 M25 BK - 1047345

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Panel feed-through, Push-in connection, number of positions: 4+PE, 0.5 mm² ... 2.5 mm², 690 V, 20 A, black, cable diameter range: 7 mm ... 11 mm and 11 mm ... 16 mm, Push-in connection

Your advantages

- ✓ Convenient: quick and easy assembly without special tools
- ✓ Efficient - by using panel feed-throughs, devices no longer need to be opened in order to connect cables

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 646169
GTIN	4055626646169
Custom tariff number	85366990
Country of origin	China

Technical data

General

Color	black
Connection method	Push-in connection
	Push-in connection
Number of positions	5
Note number of positions	4+PE
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	2.5 mm²

Panel feed-through - IPD WD 5P2,5 M25 BK - 1047345

Technical data

General

Conductor cross section AWG min.	20
Conductor cross section AWG max.	14

Cabel

External cable diameter	7 mm ... 11 mm
	11 mm ... 16 mm
Position marking	1, 2, 3, N, PE

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
Ambient temperature (operation)	-40 °C ... 100 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C

Electrical characteristics

Nominal current I_N	20 A
Rated current	20 A
Rated voltage (III/3)	690 V
Rated surge voltage (III/3)	6 kV

Mechanical characteristics

Frequency of connections	max. 10
Insertion/withdrawal cycles	10
Category of shock impact	IK07

Material data

Contact material	Cu
Overvoltage category	III
Degree of pollution	3

Standards and Regulations

Halogen-free	yes
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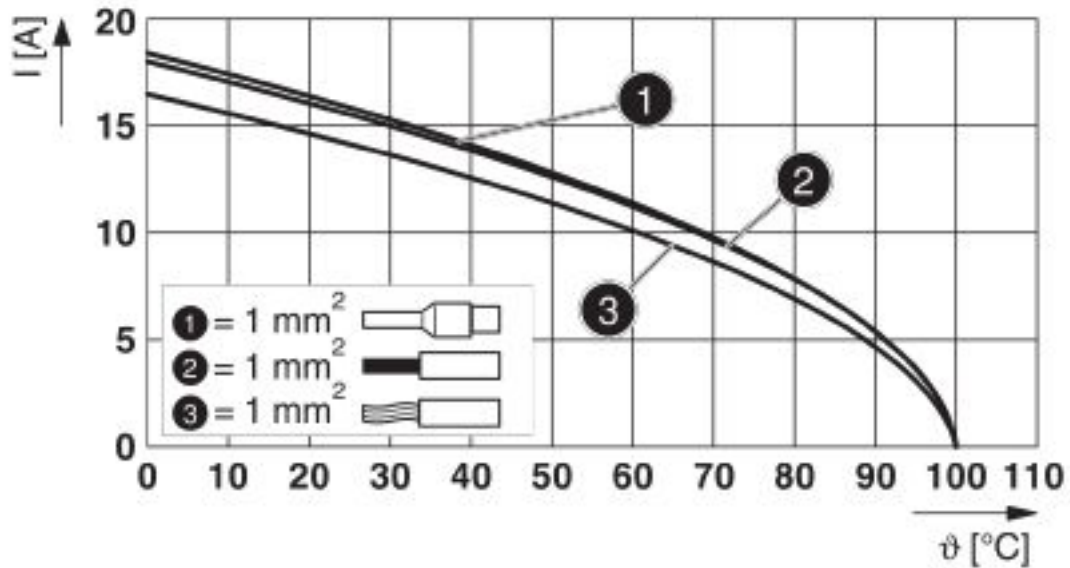
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

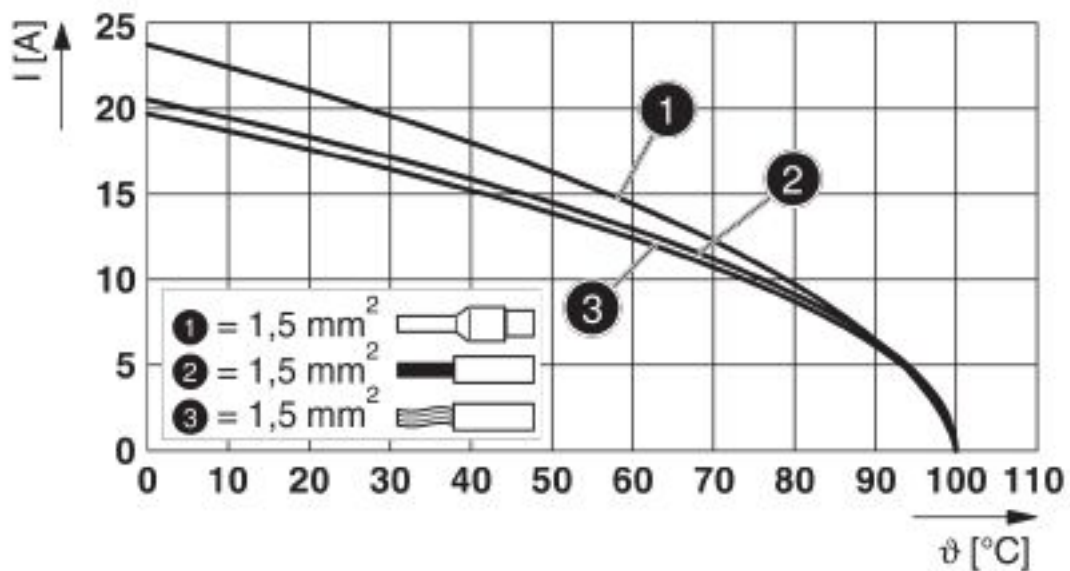
Panel feed-through - IPD WD 5P2,5 M25 BK - 1047345

Diagram



Derating diagram for 1.0 mm²

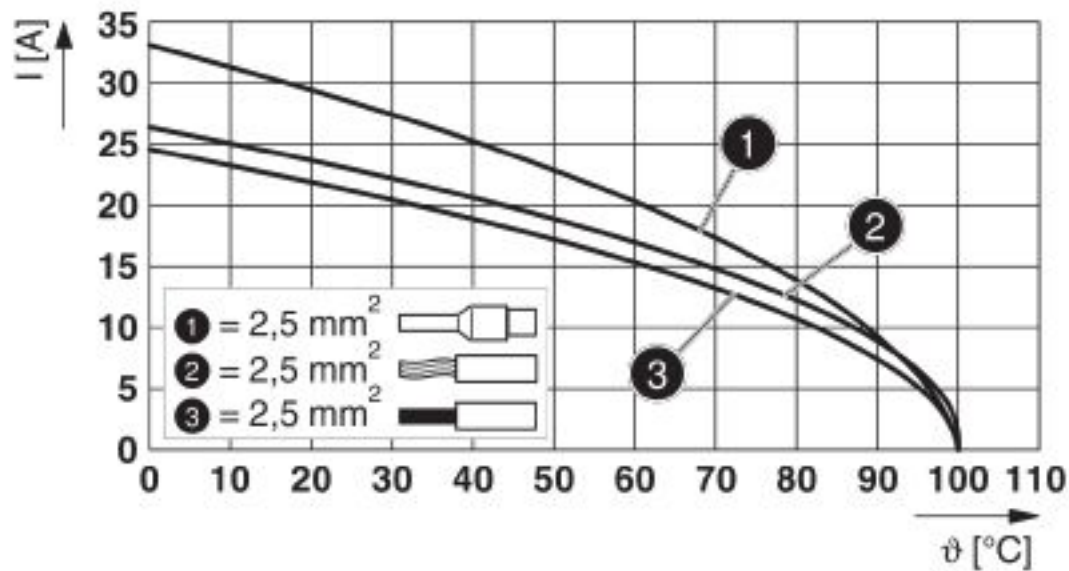
Diagram



Derating diagram for 1.5 mm²

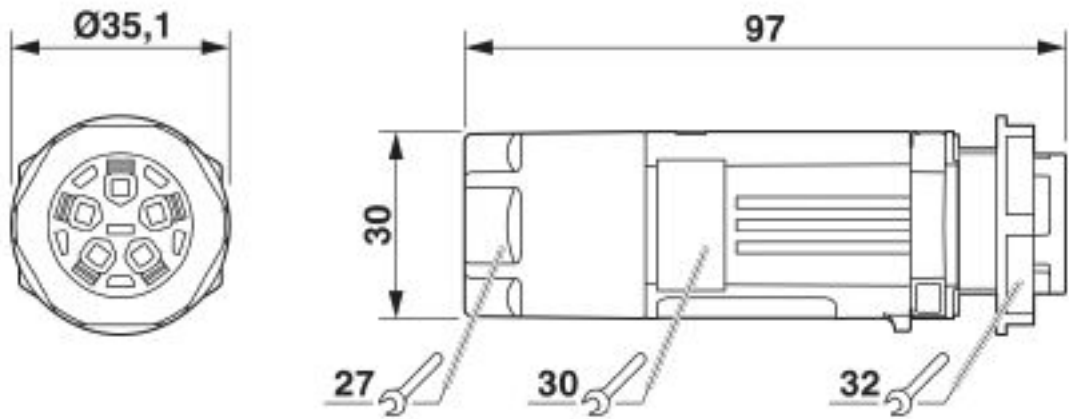
Panel feed-through - IPD WD 5P2,5 M25 BK - 1047345

Diagram



Derating diagram for 2.5 mm²

Dimensional drawing



Classifications

eCl@ss

eCl@ss 7.0	27440602
eCl@ss 8.0	27440602
eCl@ss 9.0	27440602

Panel feed-through - IPD WD 5P2,5 M25 BK - 1047345

Classifications

ETIM

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ETIM 6.0	EC002566
ETIM 7.0	EC002566

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