

1636043
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Device connector front mounting, Range of articles: PRC 20, design: Straight, color: black, number of positions: 7, min. conductor cross-section: 0.75 mm², max. conductor cross-section: 1 mm², rated voltage: Dreiphasig 630 V AC, rated current: 8.5 A, Connection method: Crimp connection, min. cable diameter: 6 mm, max. cable diameter: 14 mm, Setting option for release: 1. with a tool or 2. by hand

Your advantages

- Duo-Unlock technology for greater flexibility during installation and maintenance
- Reliable use under extreme ambient conditions with high degrees of protection and impact strength
- Easy handling with proven crimp connection technology
- Mechanical and color coding for quick and error-free startup

Commercial data

Item number	1636043
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB03
Product key	ABLHMA
GTIN	4067923159006
Weight per piece (including packing)	29.1 g
Weight per piece (excluding packing)	18.605 g
Customs tariff number	85366990
Country of origin	PL

PRC 20/M17-6E-FT25-MC GY - Device connector front mounting



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Technical data

Notes

Order information:	Setting option for release: 1. with a tool or 2. by hand
Note on application	For assembly notes, please refer to the packing slip

Product properties

Product type	Panel feed-through
Product family	PRC 20
Type	Straight
Number of positions	7
Connection profile	6+PE
Coding	M17 6+PE

Insulation characteristics

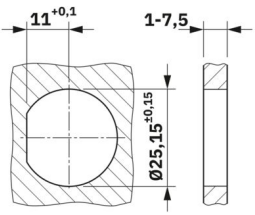
Protection class	II (double or reinforced insulation)
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Connection data

Connection technology

Connection method	Crimp connection
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Dimensions

Dimensional drawing	
Width	34 mm
Height	38.4 mm
Length	49.7 mm

Electrical properties

Rated voltage	Dreiphasig 630 V AC (III/2.00) in accordance with IEC 61984
	500 V DC (III/2.00) in accordance with IEC 61984
Rated current	8.5 A (with 1 mm ² conductor cross-section in accordance with IEC 61984)
	8 A (with 0.75 mm ² conductor cross-section in accordance with IEC 61984)

Mechanical properties

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Mechanical data

Insertion/withdrawal cycles	100
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Material specifications

Color (Housing)	black (RAL 9005)
Color (Locking)	gray (RAL 7042)

Cable/line

External cable diameter	6 mm ... 14 mm
Single wire, cross section	0.75 mm ² 1 mm ²
Halogen-free	yes (in accordance with IEC 61249-2-21:2003- 11 Cl.3.1)

Mounting

Mounting type	Front mounting
Thread type	M25 x 1,5 (DIN EN 60423)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66
	IP66 (2 m / 2 h)
	IP69
Category of shock impact	IK08 (-25°C)
Ambient temperature (operation)	-40 °C ... 85 °C (observe derating)
Ambient temperature (storage/transport)	-10 °C ... 50 °C
Ambient temperature (assembly)	-5 °C ... 50 °C

Standards and regulations

Standards/specifications	IEC 61984:2008
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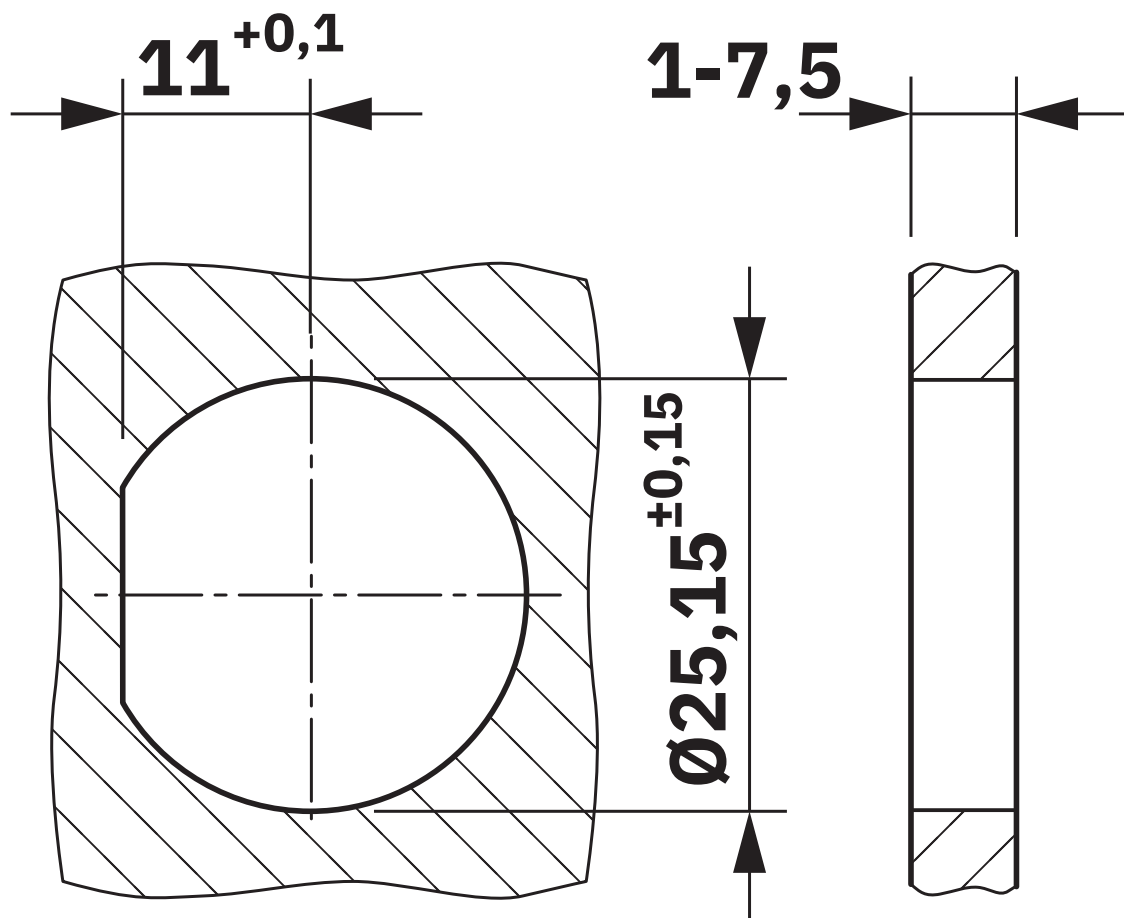


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Drawings

Dimensional drawing



Drilling diagram

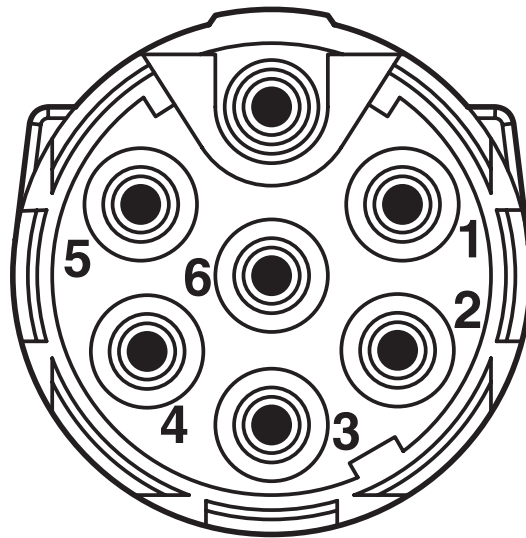
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Schematic diagram



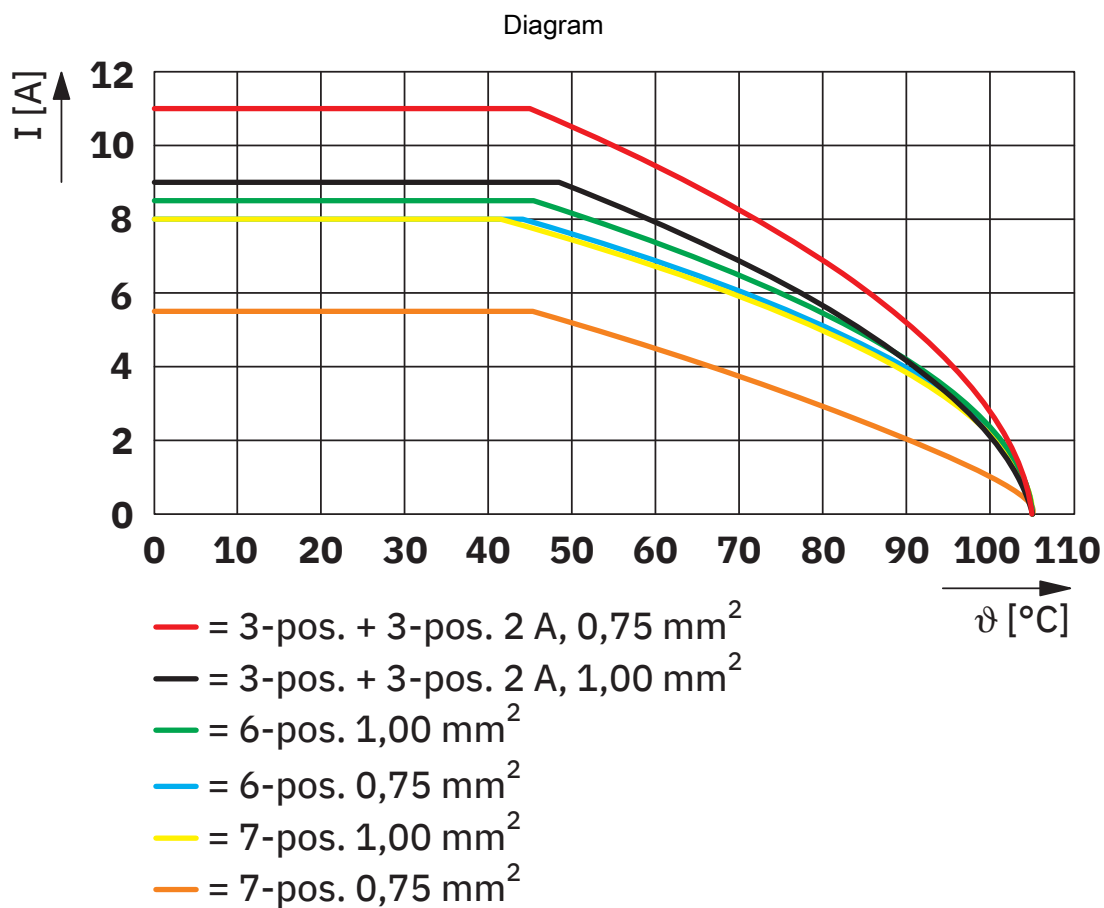
Connector pin assignment

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Derating

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1636043>

 UL Listed Approval ID: E221474-20250318				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	7 A	18 - 18	18 - 18

 cUL Listed Approval ID: E221474-20250318				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	7 A	18 - 18	-

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Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

ETIM 10.0	EC003569
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	Triphenyl phosphate(CAS: 115-86-6)
SCIP	e73e7eec-fbb1-47da-acb1-56d0e03e558b

EF3.1 Climate Change

CO2e kg	2.85 kg CO2e
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