

1414398
<https://www.phoenixcontact.com/us/products/1414398>

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Control cabinet feed-through, M12, 4-pos., D-coded to RJ45 socket, socket entry: 180°, IP65/IP67

Your advantages

- Compact design
- IP65/67
- 100 Mbps

Commercial data

Item number	1414398
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB18
Product key	ABNPBB
GTIN	4055626166759
Weight per piece (including packing)	34.14 g
Weight per piece (excluding packing)	33.6 g
Customs tariff number	85366990
Country of origin	DE

CUC-BH-M12D1PBK-S/R4BE - Control cabinet feed-through



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Technical data

Product properties

Product type	Female insert
Type	M12
Sensor type	Ethernet
Number of positions	4
Connection profile	M12
Shielded	yes
Cable outlet	straight
Thread type	M12

Insulation characteristics

Overvoltage category	III
Degree of pollution	2

Electrical properties

Maximum load current	1.4 A
Rated voltage (III/3)	72 V (DC)
Rated surge voltage	0.8 kV
Rated current	1.75 A
Nominal voltage U_N	48 V
Nominal current I_N	0.5 A
Transmission medium	Copper
Transmission speed	100 Mbps
Transmission characteristics (category)	CAT6 _A
Power transmission	PoE++

Connection data

Connection technology

Connection method	Coupling
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Material specifications

Color	black
Flammability rating according to UL 94	V0
Housing material	Plastic
Material of grip body	PA
Contact material	Copper alloy

Connector

Connection 1

Type	Socket M12
Locking type	Screw connection

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Coding type	D
Shielded	yes
Insertion/withdrawal cycles	≥ 750 (RJ45)
Degree of protection	IP65/IP67

Connection 2

Type	Socket RJ45
Degree of protection	IP20

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65/IP67, when installed
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C

Mounting

Mounting type	Rear mounting
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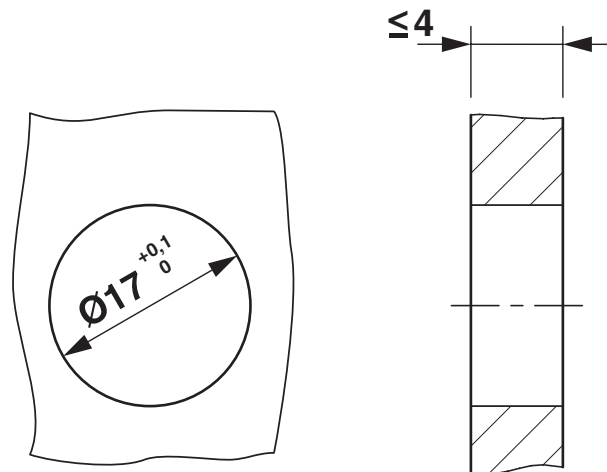
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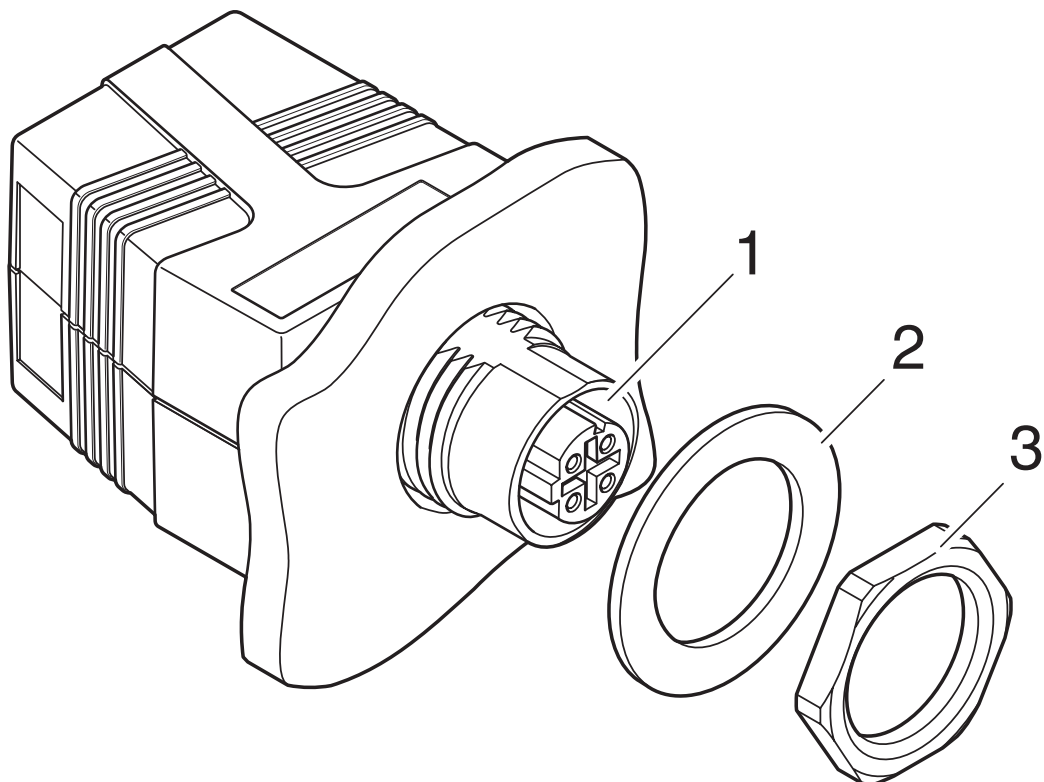
Drawings

Dimensional drawing



Mounting cutout

Exploded view



Exploded drawing

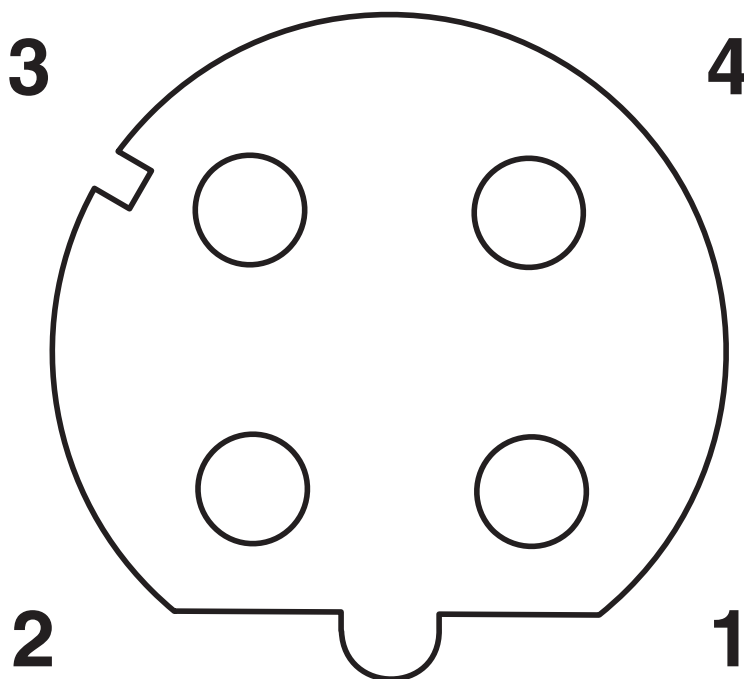
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Schematic diagram



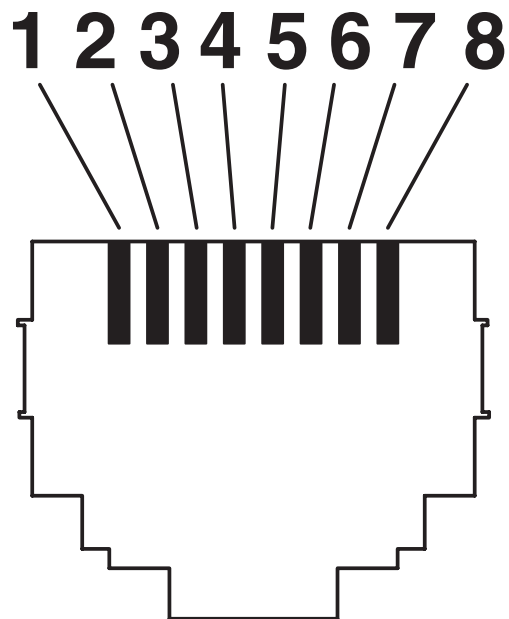
Pin assignment of M12 female, 4-pos., D-coded, view: female side

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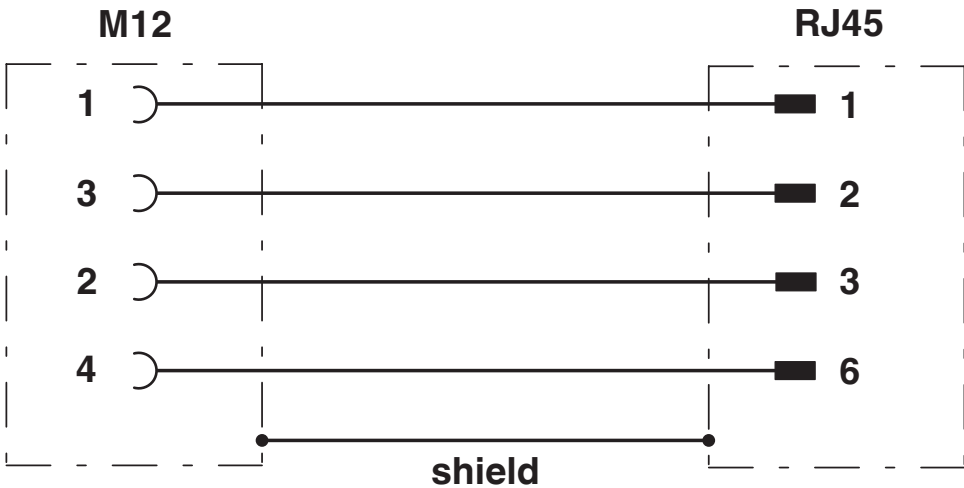
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Schematic diagram



RJ45 jack insert

Circuit diagram



Circuit diagram

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1414398>

UL Listed Approval ID: E335024-20140306				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	60 V	0.5 A	-	-

cUL Listed Approval ID: E335024-20140306				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	60 V	0.5 A	-	-

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Classifications

ECLASS

ECLASS-13.0	27440390
ECLASS-15.0	27440390

ETIM

ETIM 9.0	EC004746
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	180e0036-1af6-4bf8-ae4c-315f201739bd

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