

1414397
<https://www.phoenixcontact.com/ca/products/1414397>

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Control cabinet feed-through, M12, 4-pos., D-coded to RJ45 socket, socket entry: 90°, IP65/IP67

Your advantages

- Compact design
- IP65/67
- 100 Mbps

Commercial data

Item number	1414397
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB18
Product key	ABNPBB
Catalog page	Page 348 (C-2-2019)
GTIN	4055626166742
Weight per piece (including packing)	34 g
Weight per piece (excluding packing)	34 g
Customs tariff number	85366990
Country of origin	DE

CUC-BH-M12D1PBK-A/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	angled
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 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
Coding type	D

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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 (M12 socket)
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65/IP67 (M12 socket)
	IP20 (RJ45 jack)
	IP65/IP67, when installed
Ambient temperature (operation)	-25 °C ... 85 °C

Mounting

Mounting type	Rear mounting
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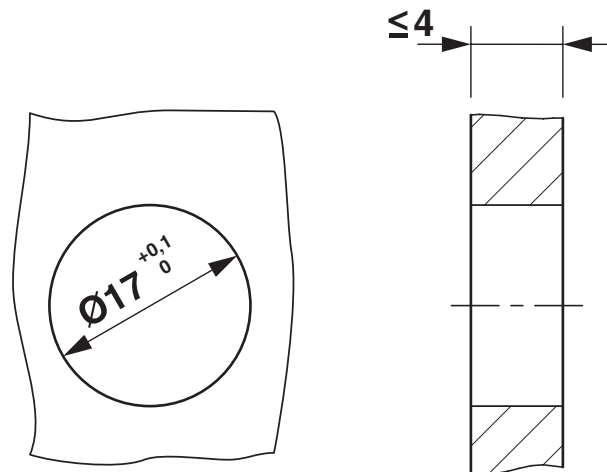
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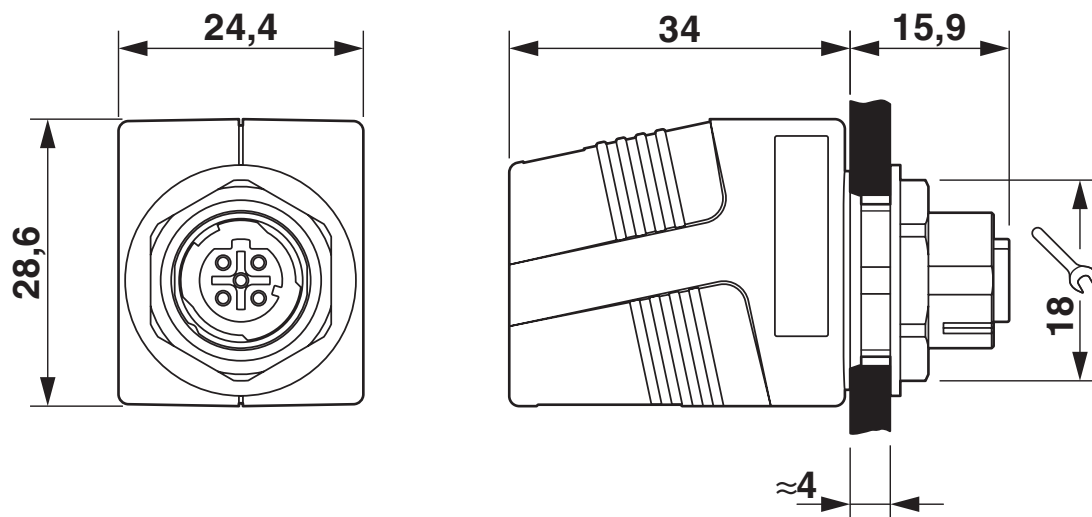
Drawings

Dimensional drawing



Mounting cutout

Dimensional drawing

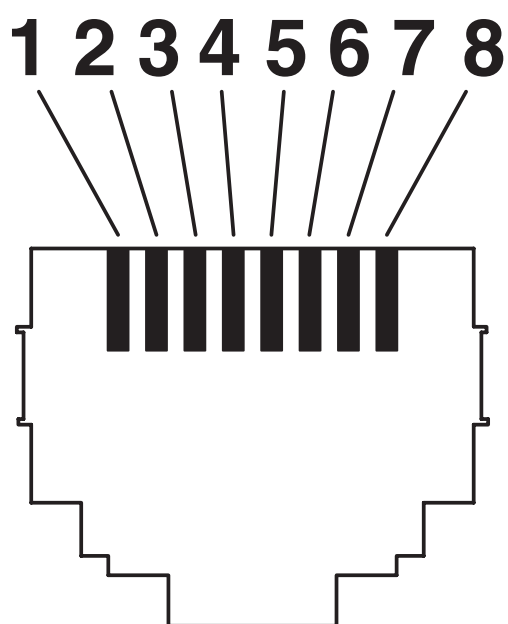


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Schematic diagram



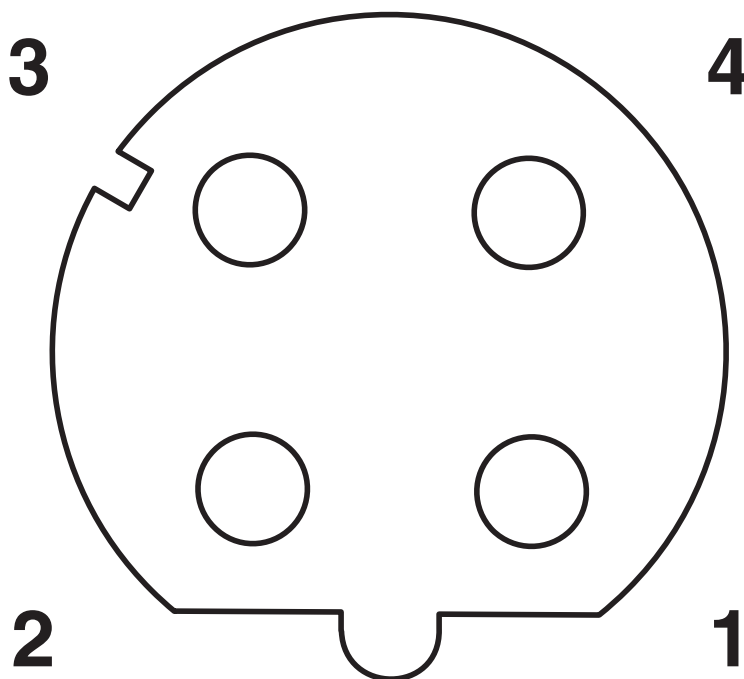
RJ45 socket insert

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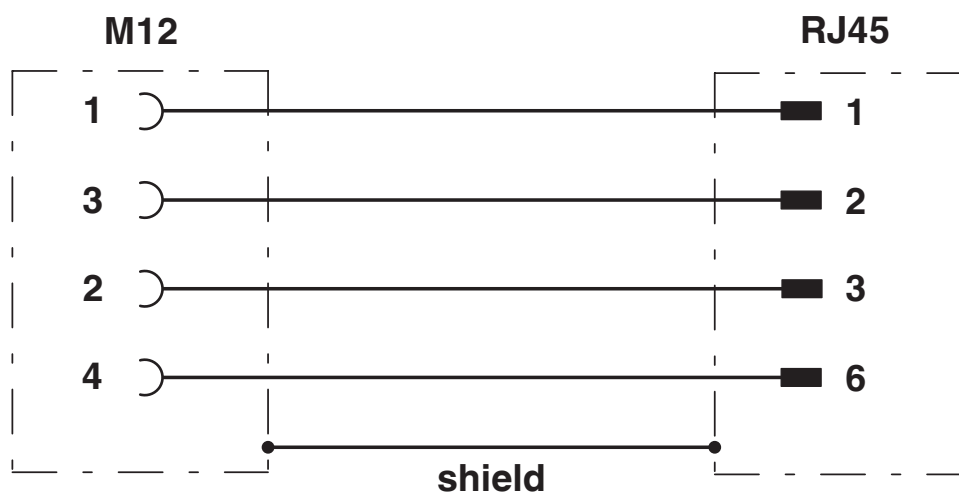
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Schematic diagram



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

Circuit diagram

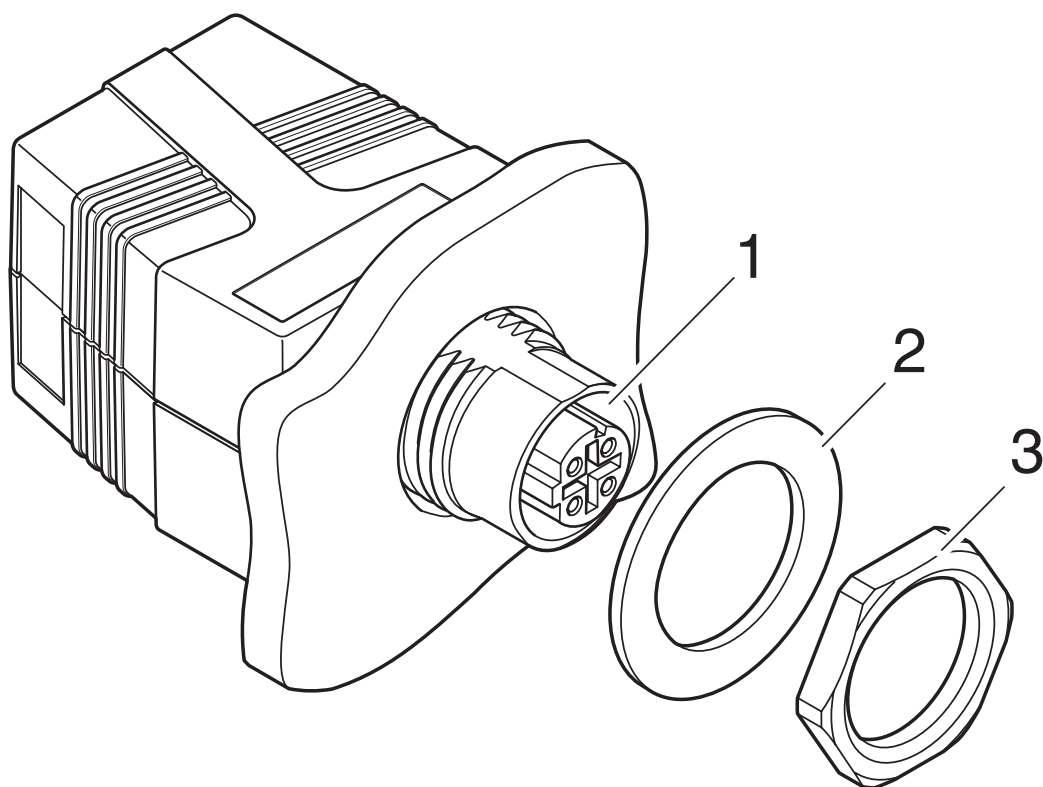


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Exploded view



Exploded drawing

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/ca/products/1414397>

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

cULus Listed

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Classifications

ECLASS

ECLASS-11.0	27141134
ECLASS-12.0	27141134
ECLASS-13.0	27141134

ETIM

ETIM 9.0	EC001283
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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	88659054-c732-4807-94b1-6ddc1f0dc6bb

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