CUC-BH-M12A1PBK-A/R4BE - Control cabinet feed-through

1414393

https://www.phoenixcontact.com/us/products/1414393

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Control cabinet feed-through, M12, 8-pos., A-coded on RJ45 socket, socket input 90°, IP65/67

Your advantages

- Compact design
- IP65/67
- 1 Gbps

Commercial data

Item number	1414393
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB18
Product key	ABNPBA
GTIN	4055626166773
Weight per piece (including packing)	34 g
Weight per piece (excluding packing)	26.9 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Product properties

Product type	Female insert
Type	M12
Sensor type	Ethernet
Number of positions	8
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	0.5 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	1 Gbps
Transmission characteristics (category)	$CAT6_A$
Power transmission	PoE++

Connection data

Connection technology

Connection method	Coupling

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	A
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

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

Drawings

Dimensional drawing

≤ 4

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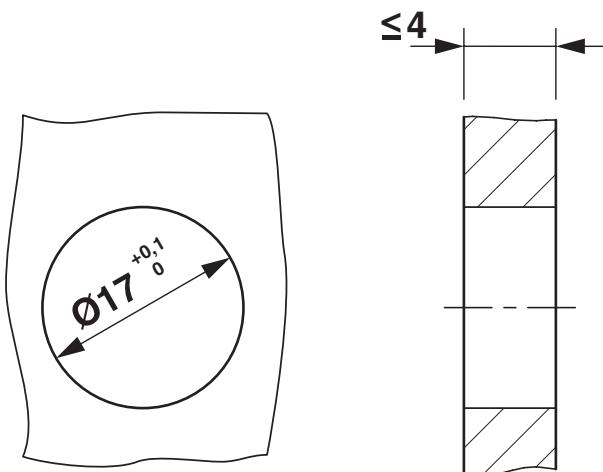
Mounting cutout

Exploded view

1

2

3
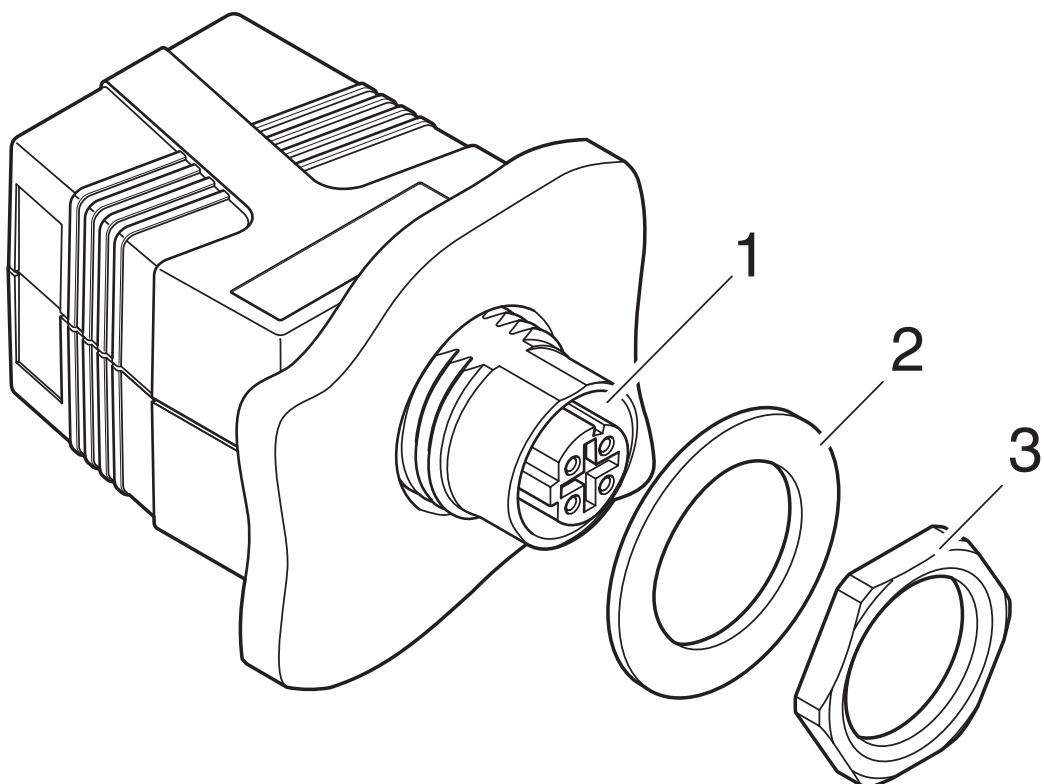
Exploded drawing

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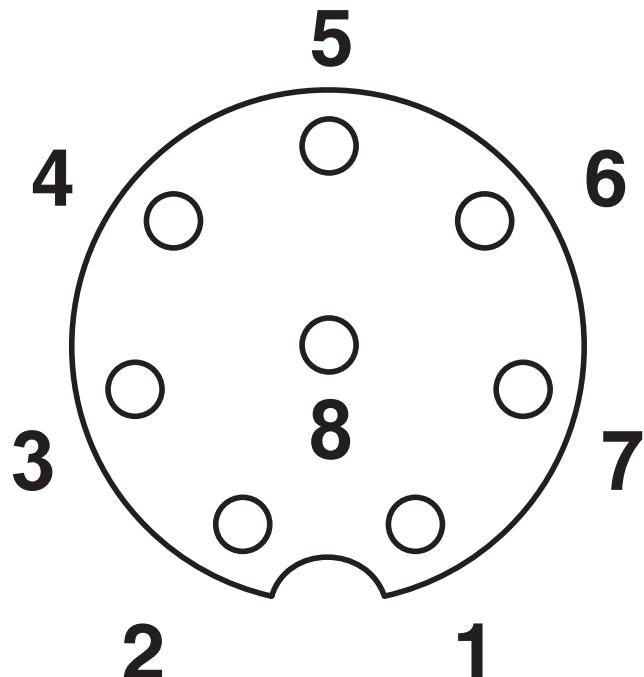
Schematic diagram

Pin assignment of M12 female, 8-pos., A-coded, view: female side

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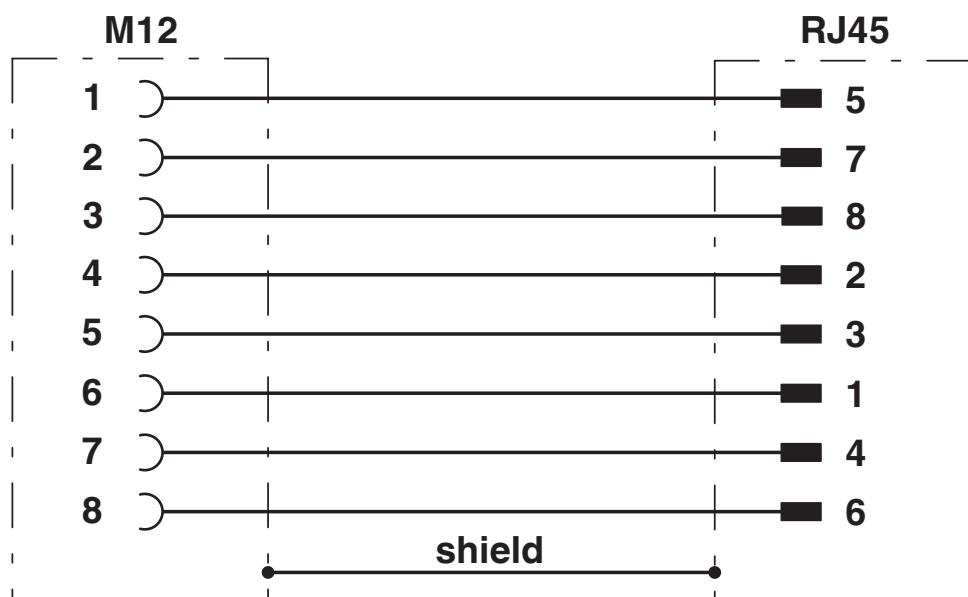
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Schematic diagram

1 2 3 4 5 6 7 8
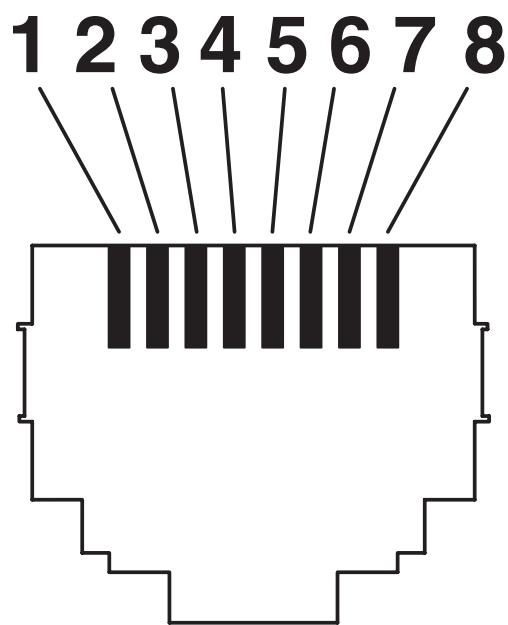
RJ45 jack insert

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Circuit diagram

M12		RJ45
1	——————	5
2	——————	7
3	——————	8
4	——————	2
5	——————	3
6	——————	1
7	——————	4
8	——————	6

shield

Circuit diagram

Approvals

💡 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1414393

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
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Classifications

ECLASS

ECLASS-15.0	27440390
ECLASS-13.0	27440390

ETIM

ETIM 9.0	EC004746

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	19144678-7b0d-4531-91bf-90dfd5383257