

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



1414398

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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)	34.4 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



1414398

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

Technical data

Product properties

Product type	Female insert
Type	M12
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)	CAT5 (IEC 11801:2002)
Power transmission	PoE++

Connection data

Connection technology

Connection method	Coupling
-------------------	----------

Interfaces

Signal type/category	Ethernet CAT5, 100 Mbps
----------------------	-------------------------

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

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



1414398

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

Type	Socket M12
Locking type	Screw connection
Coding type	D
Shielded	yes
Insertion/withdrawal cycles	≥ 750 (RJ45)
Degree of protection	IP65/IP67

Connection 2

Type	Socket RJ45
Degree of protection	IP20

Cable/line

Signal type/category	Ethernet CAT5, 100 Mbps
----------------------	-------------------------

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
---------------	---------------

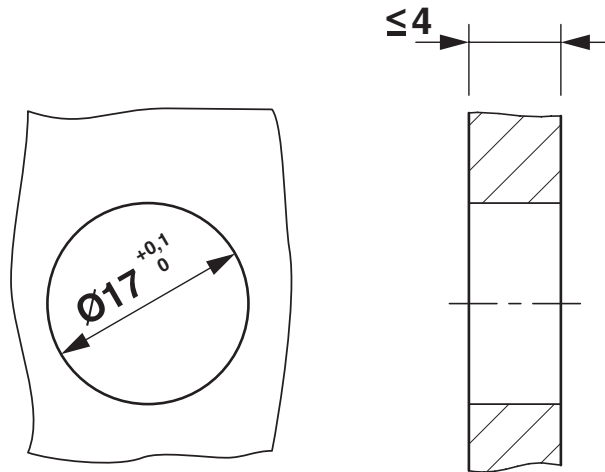
CUC-BH-M12D1PBK-S/R4BE - Control cabinet feed-through

1414398

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

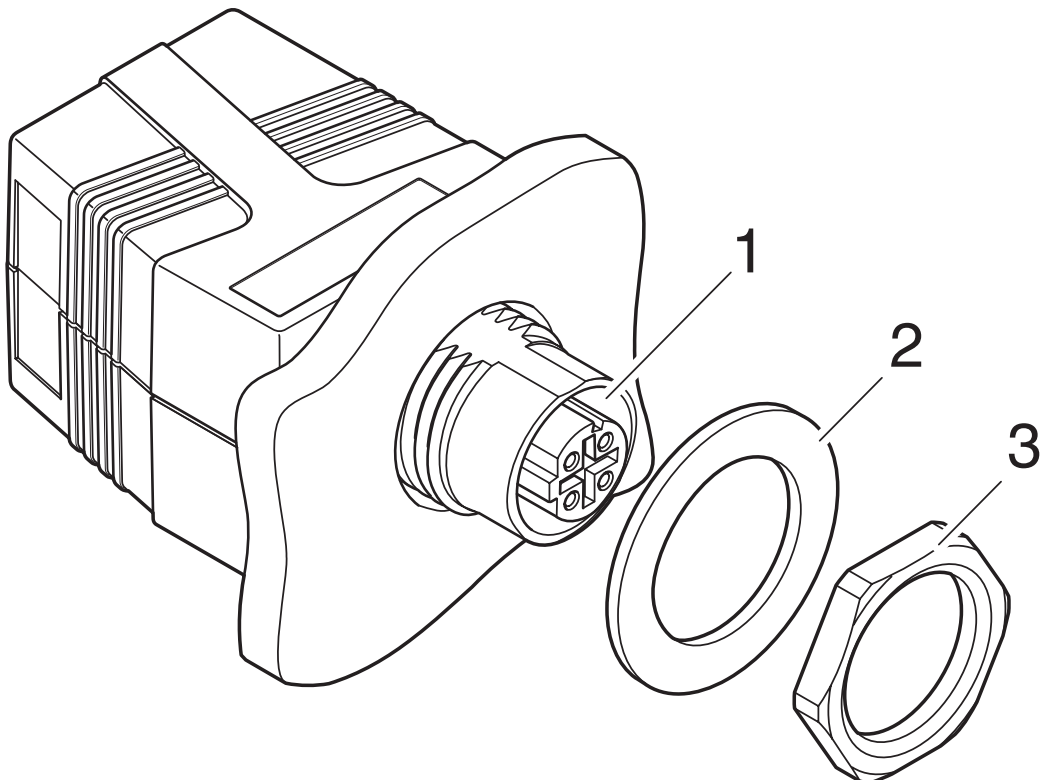
Drawings

Dimensional drawing



Mounting cutout

Exploded view



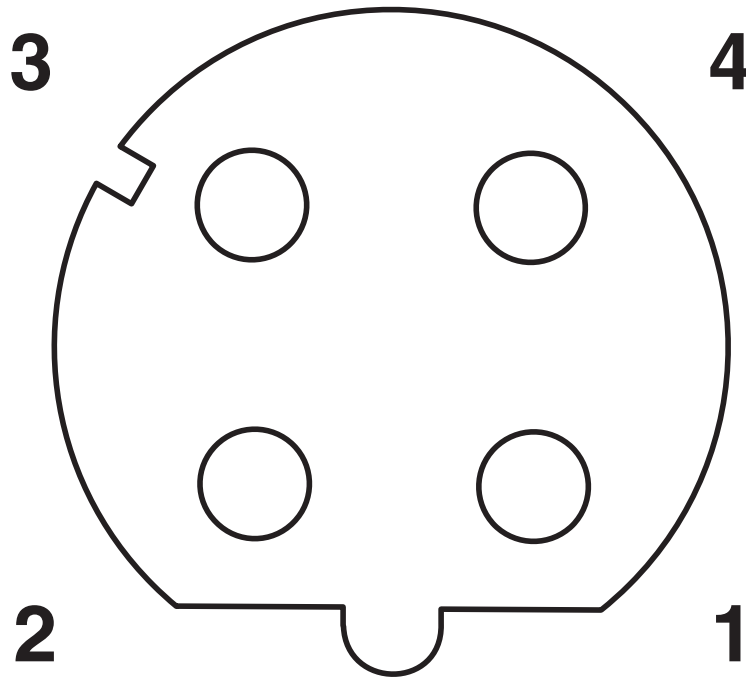
Exploded drawing

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

1414398

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

Schematic diagram



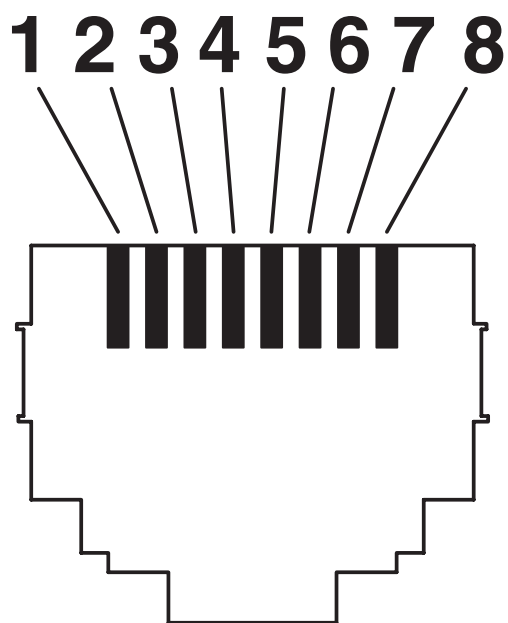
Pin assignment of M12 female, 4-pos., D-coded, view: female side

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

1414398

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

Schematic diagram



RJ45 jack insert

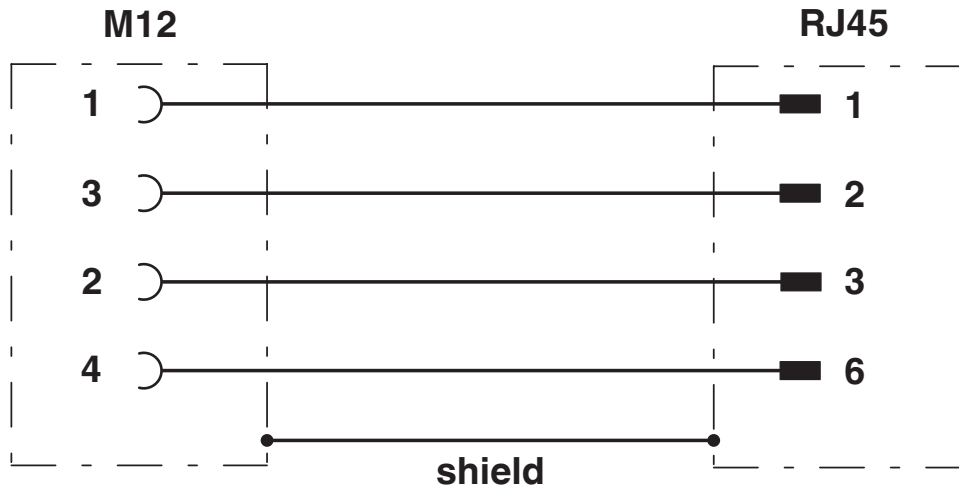
CUC-BH-M12D1PBK-S/R4BE - Control cabinet feed-through



1414398

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

Circuit diagram



Circuit diagram

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





1414398

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

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	-	-

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



1414398

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

Classifications

ECLASS

ECLASS-13.0	27440390
ECLASS-15.0	27440325

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

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



1414398

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

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

EF3.1 Climate Change

CO2e kg	1.518 kg CO2e
---------	---------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com