VS-BH-M12FSX-10G-RJ45/180 - Control cabinet feed-through

1404549

https://www.phoenixcontact.com/us/products/1404549

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800 V
IEC



Control cabinet feed-through, M12, 8-pos., X-coded to RJ45 socket, socket input 180°, IP65/67

Your advantages

- Compact design

Commercial data

Item number	1404549
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB18
Product key	ABNPBC
GTIN	4046356699426
Weight per piece (including packing)	36 g
Weight per piece (excluding packing)	36 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Product properties

Product type	Female insert
Type	M12
Number of positions	8
Connection profile	M12
Number of slots	1
Shielded	yes
Cable outlet	straight
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	10 Gbps
Transmission characteristics (category)	$CAT6_A$
Power transmission	PoE++

Connection data

Connection technology

Connection method	Coupling

Interfaces

Signal type/category	Ethernet $CAT6_A$, 10 Gbps

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	X
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

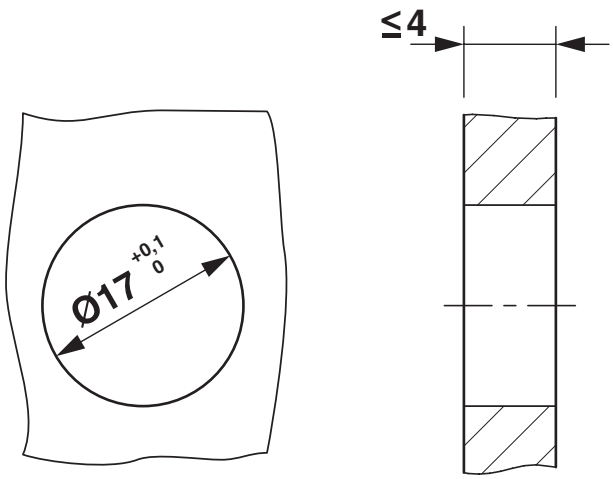
Degree of protection	IP65
	IP67
	IP65/IP67, when installed
Ambient temperature (operation)	-25 °C ... 85 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C

Mounting

Mounting type	Rear mounting

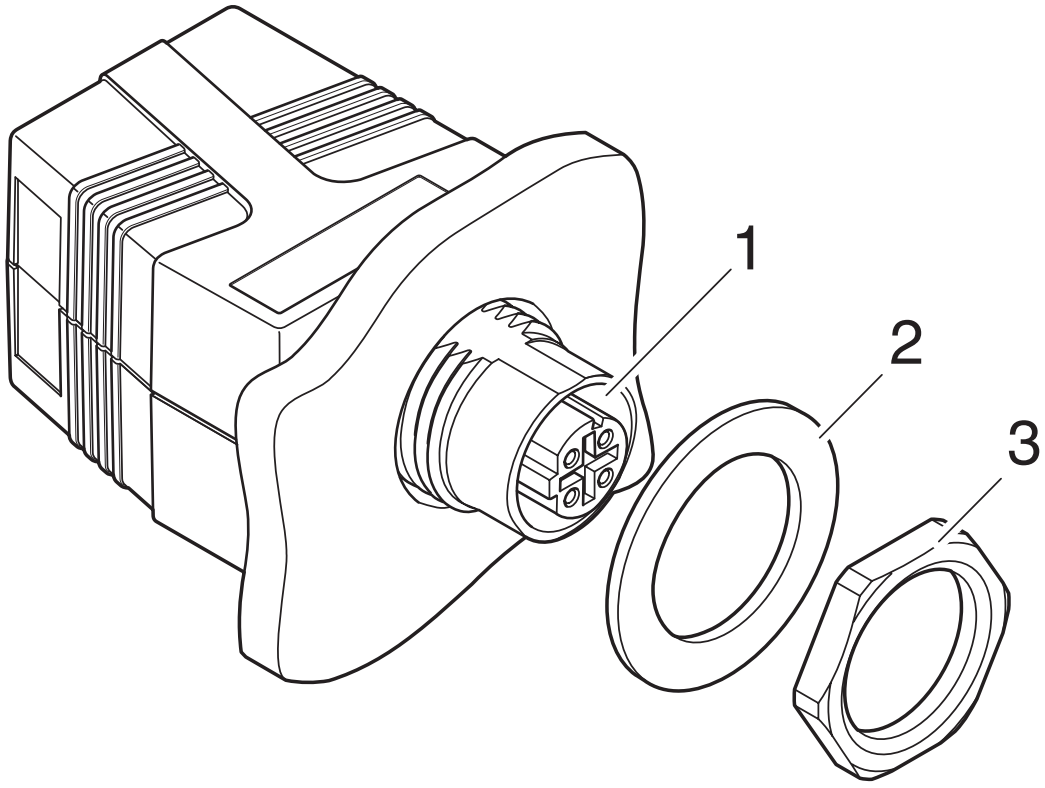
Drawings

Dimensional drawing



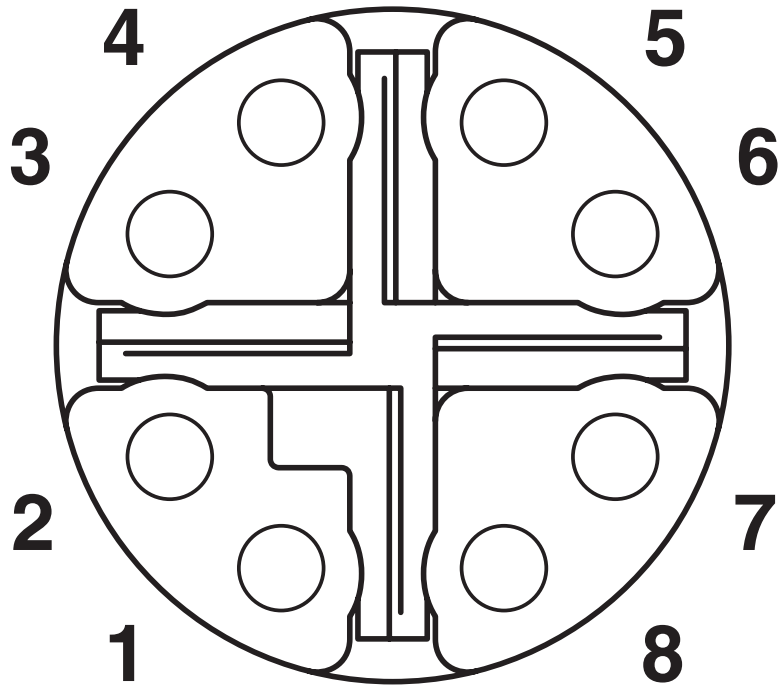
Mounting cutout

Exploded view



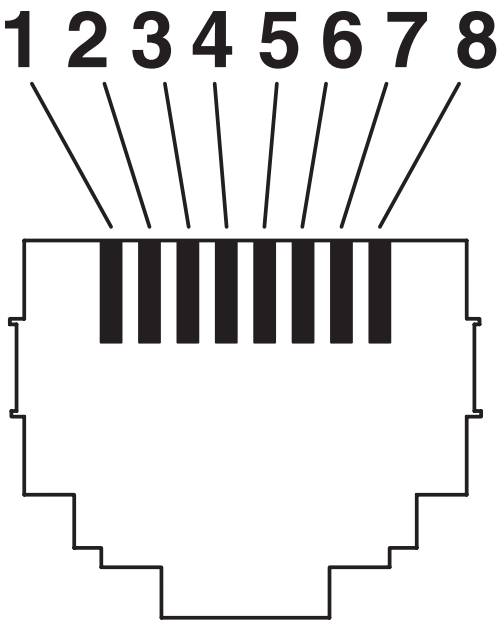
Exploded drawing

Schematic diagram



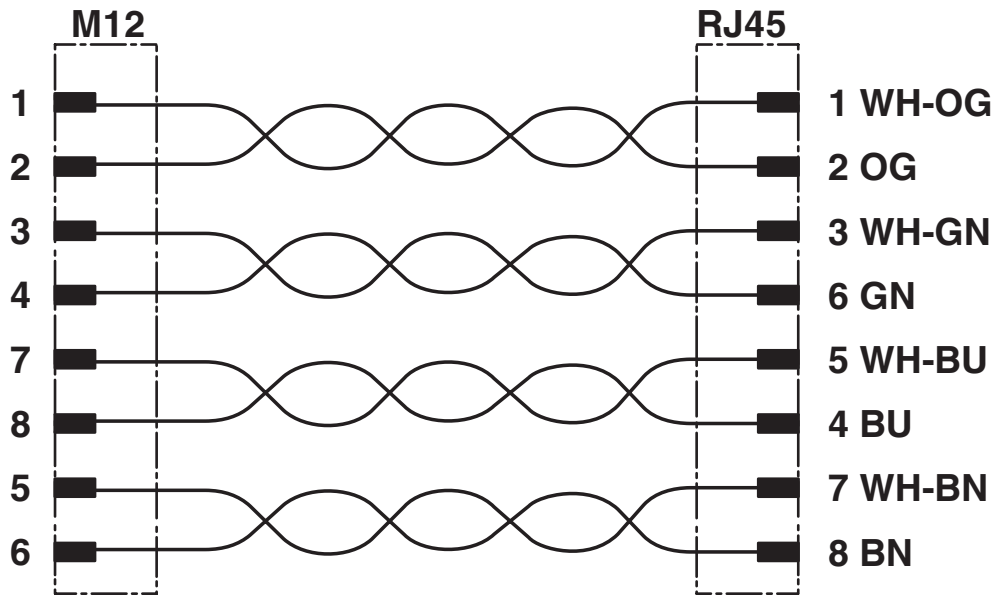
Pin assignment of M12 female, 8-pos., X-coded, view: female side

Schematic diagram



RJ45 jack insert

Circuit diagram



Circuit diagram

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1404549

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	-	-

Classifications

ECLASS

ECLASS-13.0	27440390
ECLASS-15.0	27440325

ETIM

ETIM 10.0	EC004746

UNSPSC

UNSPSC 21.0	39121400

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	e5faff2b-d642-4712-b97d-a5ac81b8c350

EF3.1 Climate Change

CO2e kg	2.327 kg CO2e

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