

# VS-BH-M12FSX-10G-RJ45/90 - Control cabinet feed-through



1404548

<https://www.phoenixcontact.com/us/products/1404548>

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



## Your advantages

- Compact design

## Commercial data

Item number	1404548
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB18
Product key	ABNPBC
GTIN	4046356699419
Weight per piece (including packing)	36.6 g
Weight per piece (excluding packing)	36 g
Customs tariff number	85366990
Country of origin	DE

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## 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	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	10 Gbps
Transmission characteristics (category)	CAT6 <sub>A</sub>
Power transmission	PoE++

### Connection data

#### Connection technology

Connection method	Coupling
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### Interfaces

Signal type/category	Ethernet CAT6 <sub>A</sub> , 10 Gbps
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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

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## 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

## Cable/line

Signal type/category	Ethernet CAT6 <sub>A</sub> , 10 Gbps
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## Mechanical properties

### Mechanical data

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

### Ambient conditions

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

## Mounting

Mounting type	Rear mounting
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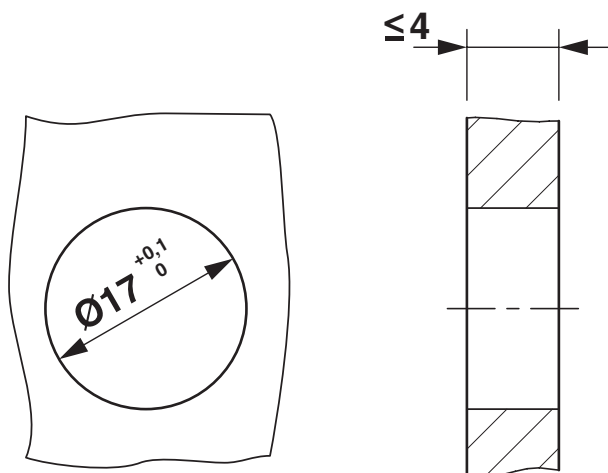
# VS-BH-M12FSX-10G-RJ45/90 - Control cabinet feed-through

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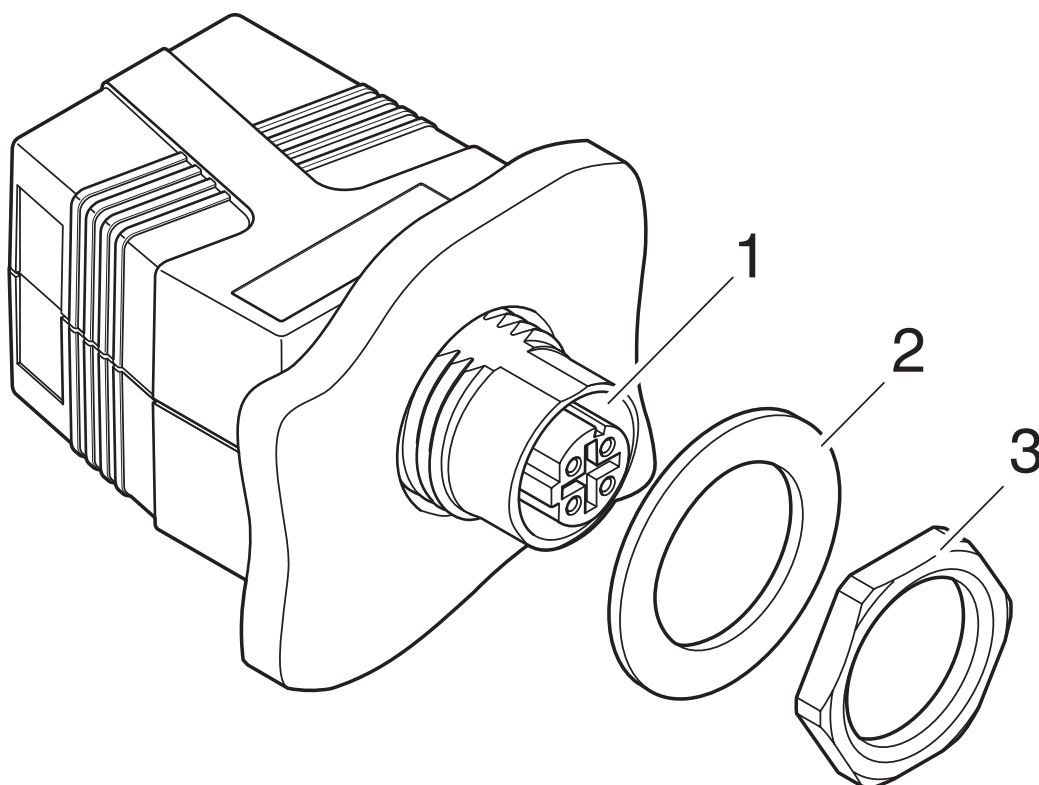
## Drawings

Dimensional drawing



Mounting cutout

Exploded view

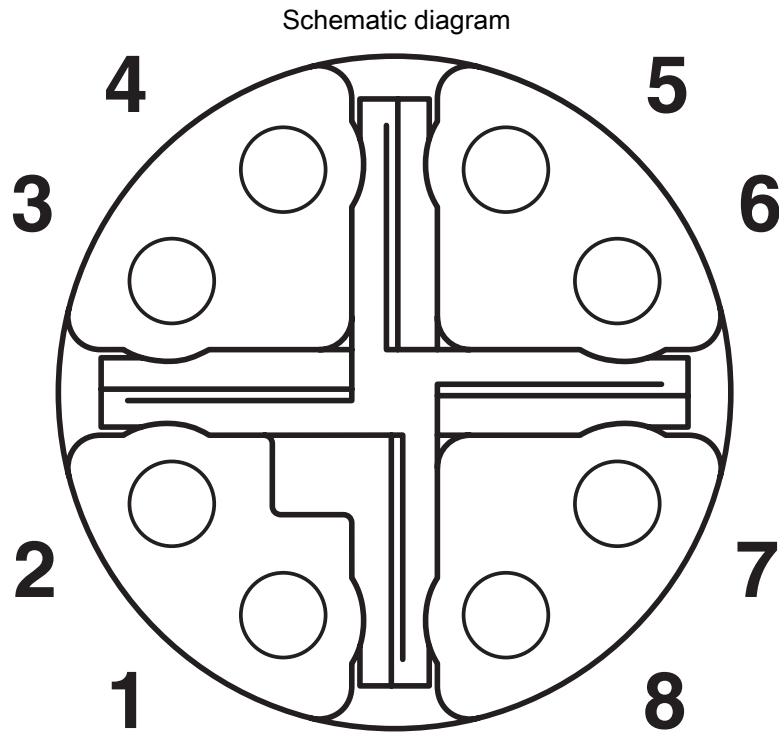


Exploded drawing

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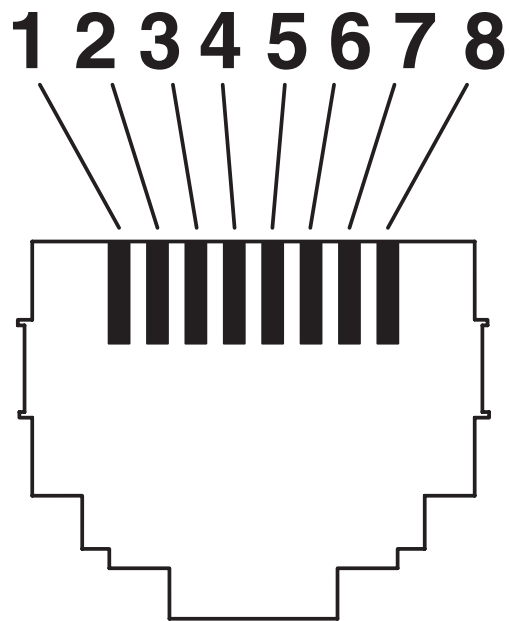
Pin assignment of M12 female, 8-pos., X-coded, view: female side

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Schematic diagram



RJ45 jack insert

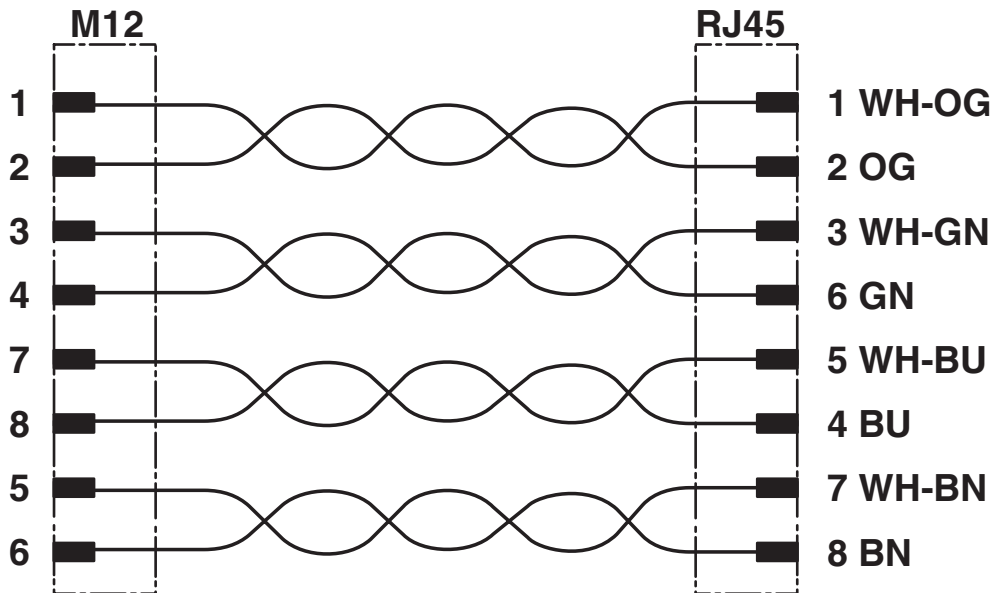
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Circuit diagram



Circuit diagram

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1404548>

 <b>UL Listed</b> Approval ID: E335024-20140306				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	60 V	0.5 A	-	-

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## Classifications

### ECLASS

ECLASS-13.0	27440390
ECLASS-15.0	27440325

### 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	e1e777eb-7d7c-4af0-ad28-ca0cab3d8a5f

### EF3.1 Climate Change

CO2e kg	2.29 kg CO2e
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