

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



1404549

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

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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 |

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Technical data

Product properties

| | |
|---------------------|---------------|
| Product type | Female insert |
| Type | M12 |
| Sensor type | Ethernet |
| 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 |
|-------------------|----------|

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 |
|------|------------|

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| | |
|-----------------------------|------------------|
| 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 |
|---------------|---------------|

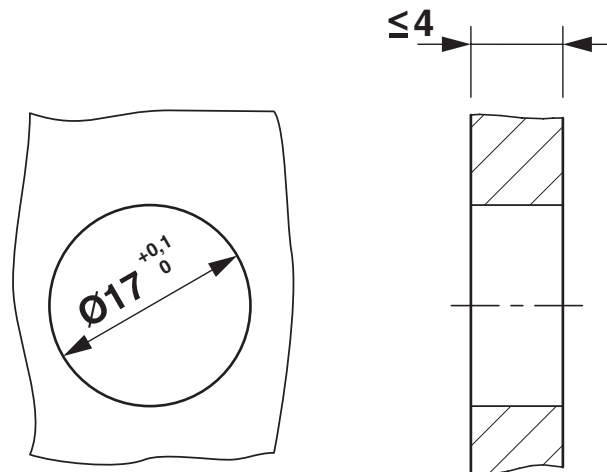
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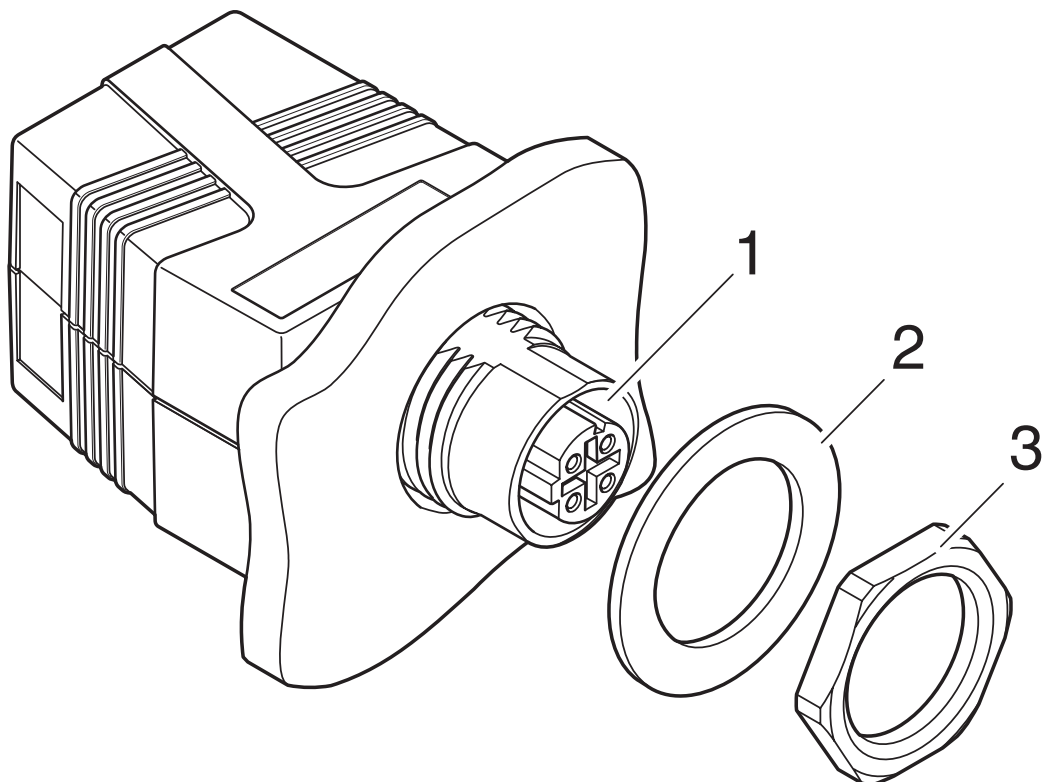
Drawings

Dimensional drawing



Mounting cutout

Exploded view

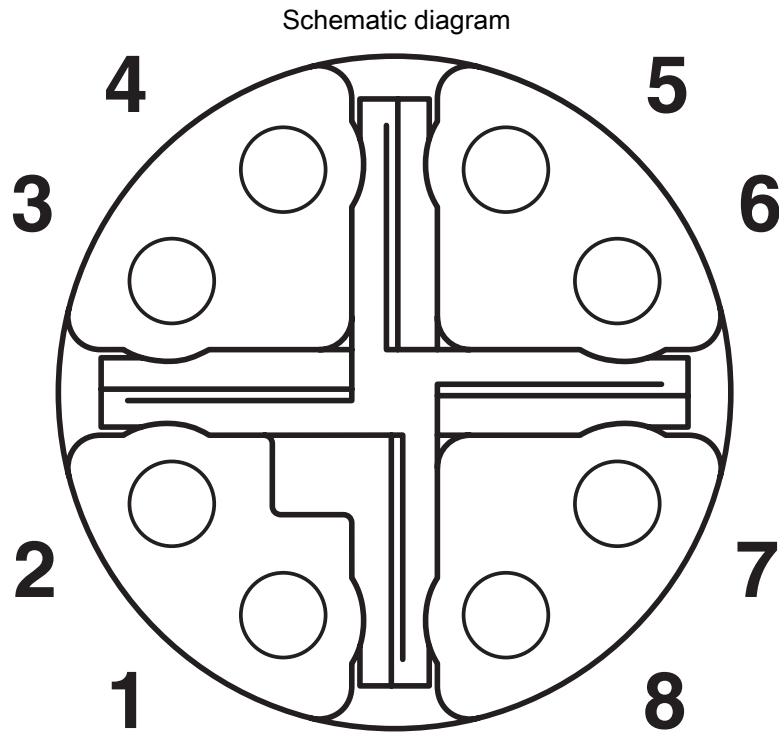


Exploded drawing

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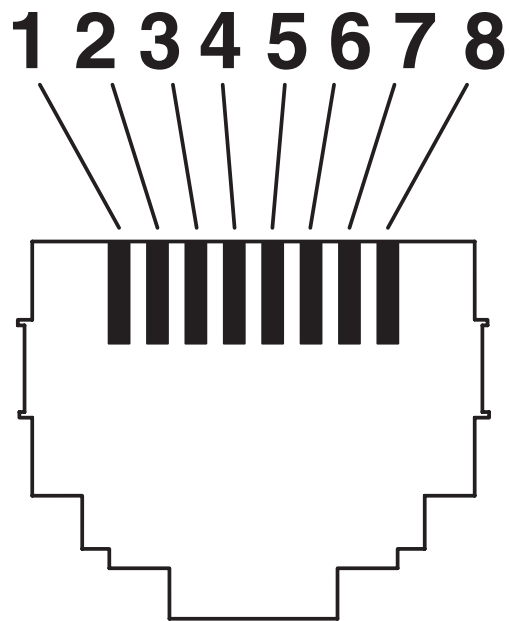
Pin assignment of M12 female, 8-pos., X-coded, view: female side

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Schematic diagram



RJ45 jack insert

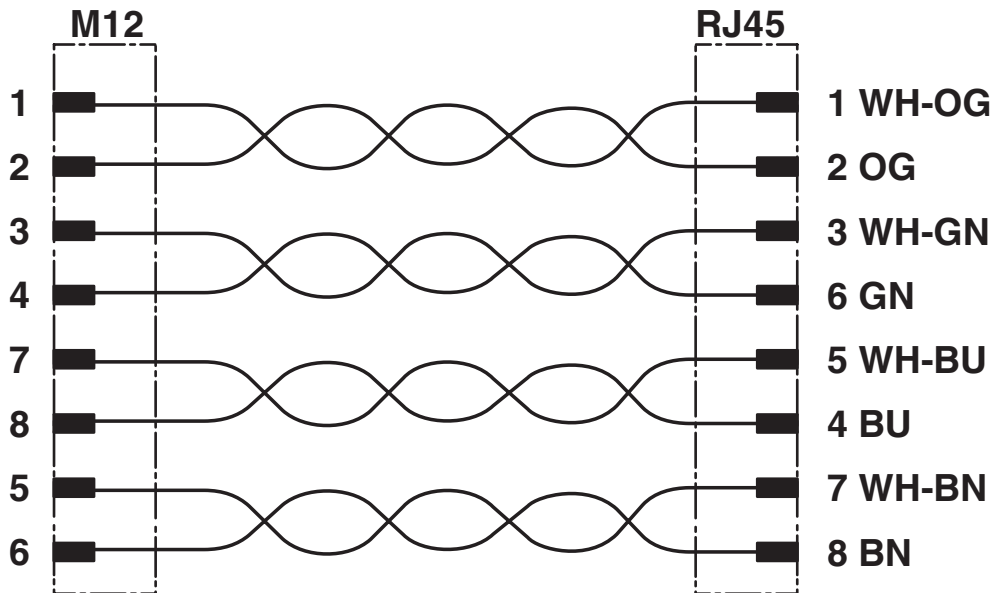
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Circuit diagram



Circuit diagram

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Approvals

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

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440390 |
| ECLASS-15.0 | 27440325 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | 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 | e5faff2b-d642-4712-b97d-a5ac81b8c350 |

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 2.327 kg CO2e |
|---------|---------------|

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