

## Y distributor - SAC-8PY-MY/M-FD SH - 1410630

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Y distributor, Ethernet hybrid CAT5 (100 Mbps), 8-position, shielded, Plug straight M12, coding: Y, on Socket straight M12, coding: D and Plug straight M12, coding: A, Power with Ethernet (PWE), Thread M12 plug A-coded and M12 socket not rotatable

### Your advantages

- ✓ Safe use in the field, thanks to a high degree of protection
- ✓ Reliable signal transmission - 360° shielding in environments with electromagnetic interference

RoHS

Ethernet

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 046356 924719 |
| GTIN         | 4046356924719                                                                                           |

### Technical data

#### Dimensions

|                 |       |
|-----------------|-------|
| Center distance | 21 mm |
|-----------------|-------|

#### Ambient conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 80 °C (Plug / socket) |
| Degree of protection            | IP67                             |

#### General

|                       |                          |
|-----------------------|--------------------------|
| Rated current at 40°C | 4 A (Power)              |
|                       | 0.5 A (Data)             |
| Rated voltage         | 30 V AC (Power and data) |
|                       | 30 V DC (Power and data) |
| Number of positions   | 8                        |
| Color handle area     | black                    |
| Insulation resistance | ≥ 100 MΩ                 |
| Coding                | Y - hybrid               |

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### Technical data

#### General

|                                         |                                            |
|-----------------------------------------|--------------------------------------------|
| Standards/regulations                   | M12 connector IEC 61076-2-101              |
| Signal type/category                    | Ethernet hybrid CAT5 (IEC 11801), 100 Mbps |
| Status display                          | No                                         |
| Overvoltage category                    | III                                        |
| Degree of pollution                     | 3                                          |
| Insertion/withdrawal cycles             | ≥ 100                                      |
| Torque                                  | 0.4 Nm (M12 connector)                     |
| Transmission characteristics (category) | CAT5                                       |

#### Material

|                                        |                                             |
|----------------------------------------|---------------------------------------------|
| Flammability rating according to UL 94 | HB                                          |
| Contact material                       | CuZn                                        |
| Contact surface material               | Ni/Au                                       |
| Material of grip body                  | TPU, hardly inflammable, self-extinguishing |
| Material, knurls                       | Zinc die-cast, nickel-plated                |
| Sealing material                       | NBR                                         |
| Additional material specifications     | PP (Contact carrier, Y-coded, data)         |
|                                        | PA 6.6 (Contact carrier, Y-coded, power)    |
|                                        | TPE-U (Contact carrier, A-coded)            |
|                                        | TPE-U (Contact carrier, D-coded)            |

#### Standards and Regulations

|                                        |                               |
|----------------------------------------|-------------------------------|
| Standards/specifications               | M12 connector IEC 61076-2-101 |
| Flammability rating according to UL 94 | HB                            |

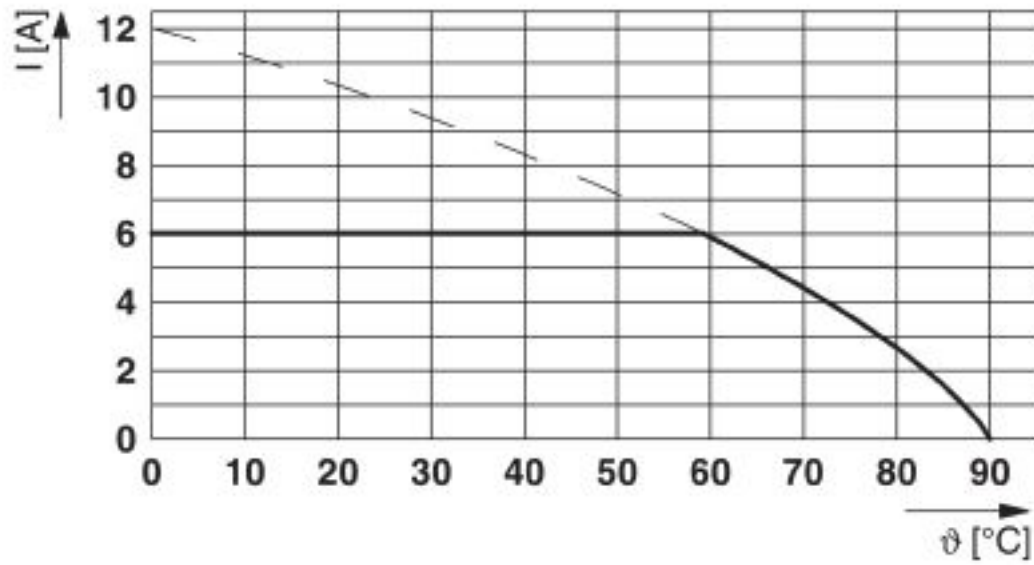
#### Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

### Drawings

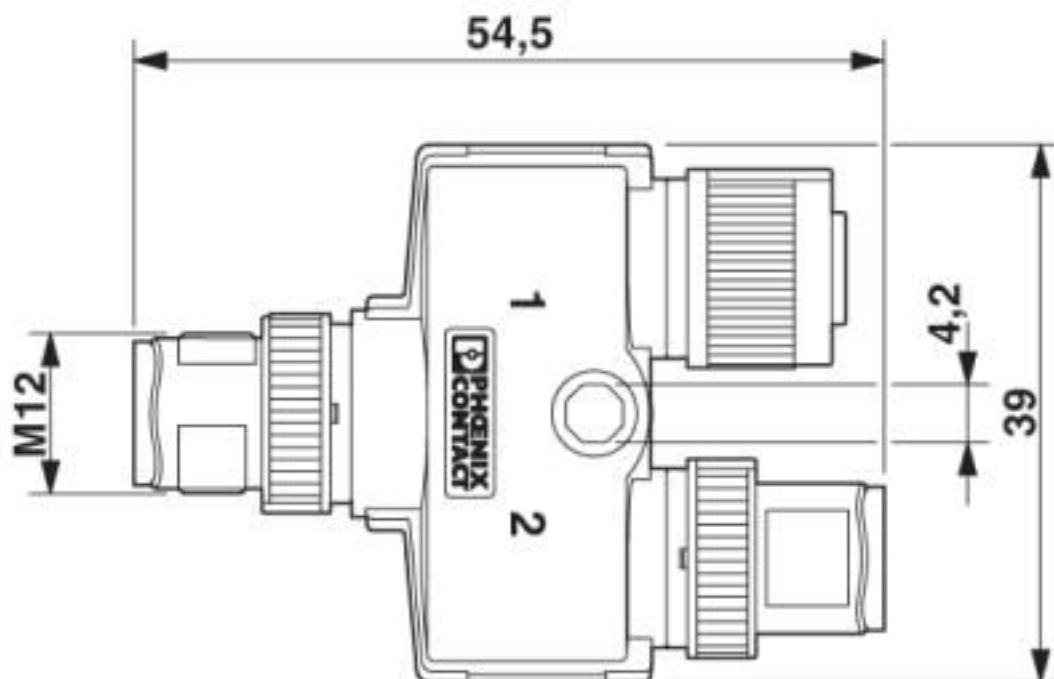
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Diagram



Current carrying capacity

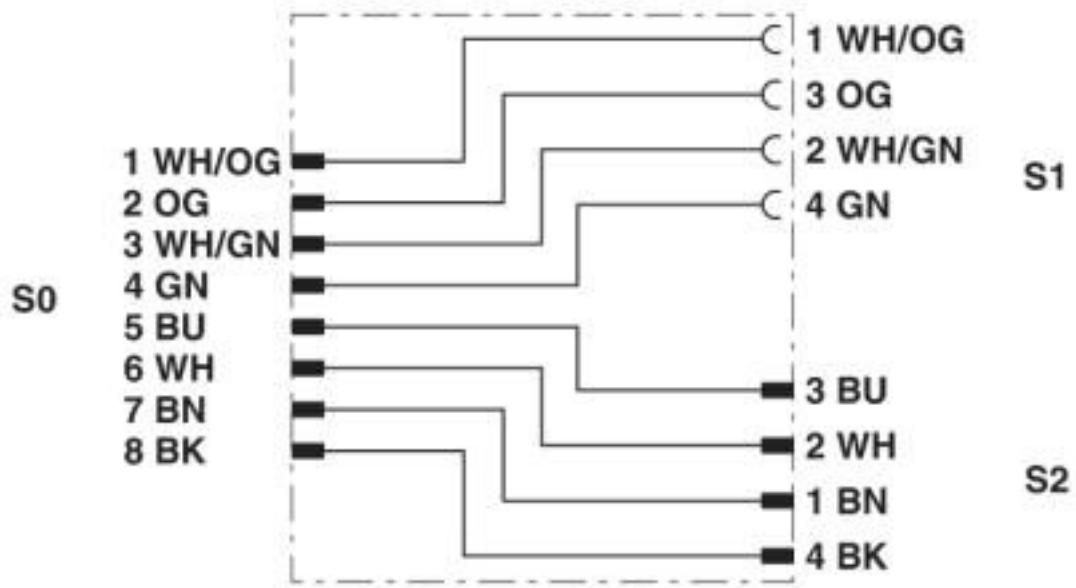
Dimensional drawing



M12 Y distributor

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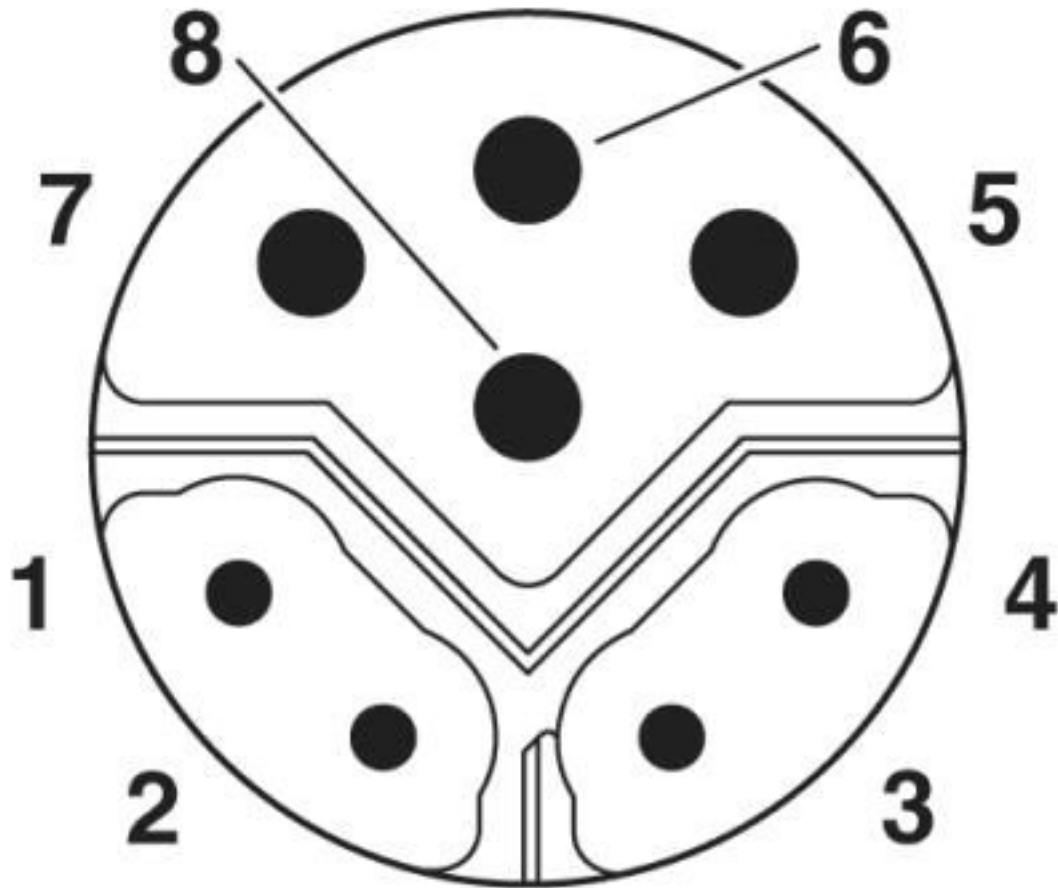
Circuit diagram



Contact assignment of the M12 Y distributor

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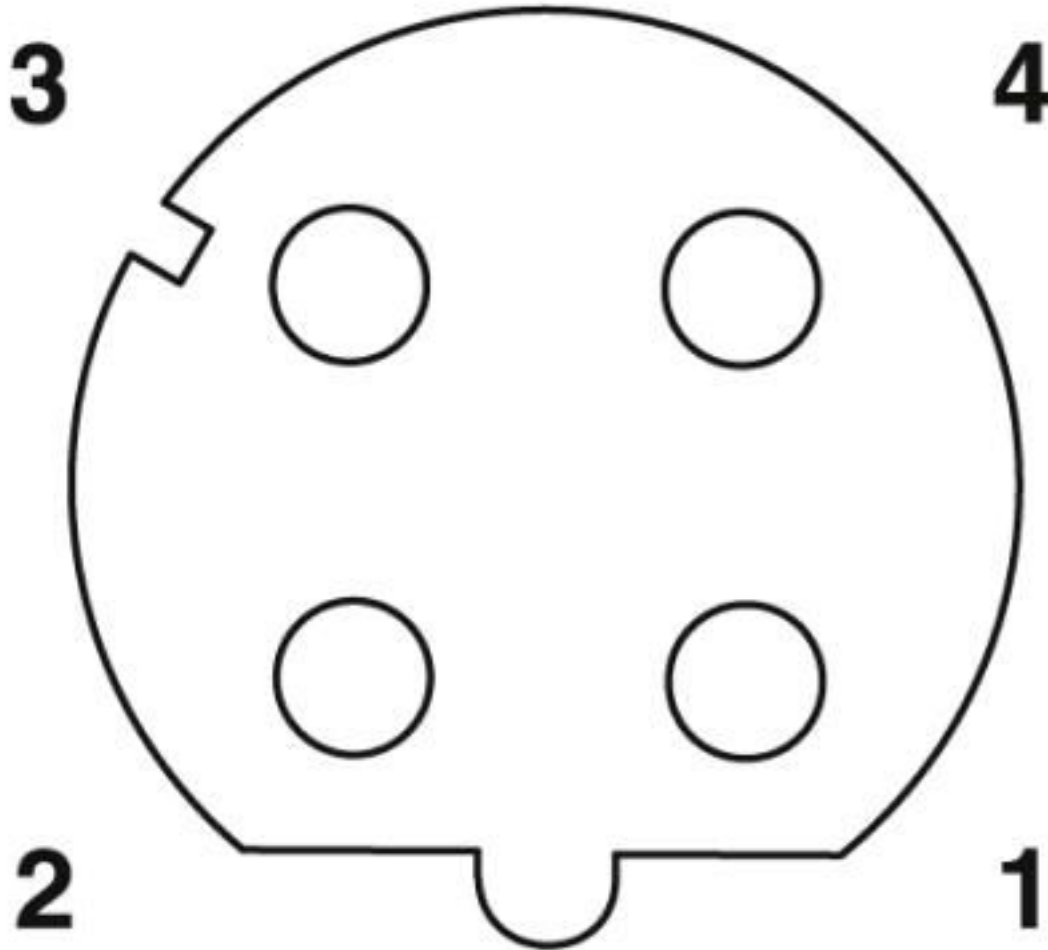
Schematic diagram



M12 hybrid plug pin assignment, 8-pos., Y-coded, pin side view

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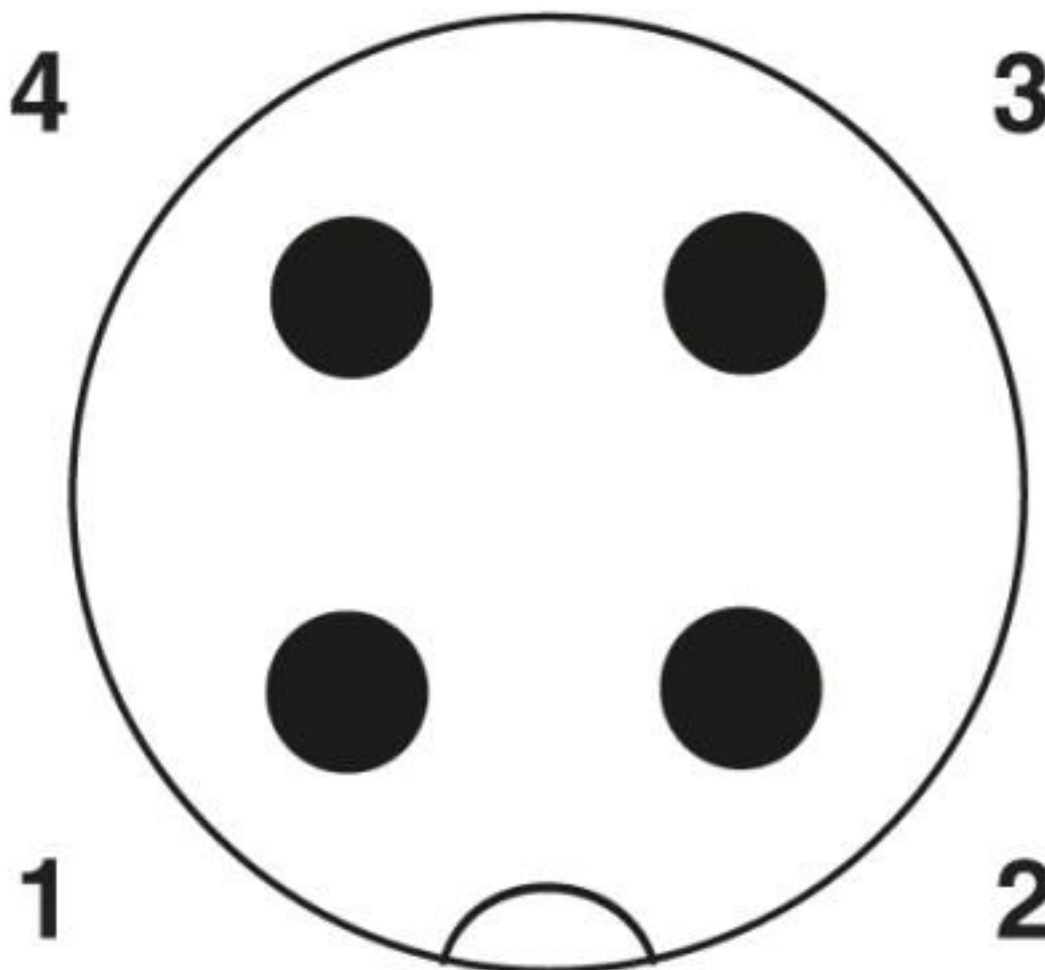
Schematic diagram



Pin assignment M12 socket, 4-pos., D-coded, female side

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Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded, view plug side

### Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440106 |
| eCl@ss 4.0    | 27060300 |
| eCl@ss 4.1    | 27060300 |
| eCl@ss 5.0    | 27061800 |
| eCl@ss 5.1    | 27061800 |
| eCl@ss 6.0    | 27279200 |
| eCl@ss 7.0    | 27440104 |
| eCl@ss 8.0    | 27440104 |
| eCl@ss 9.0    | 27440106 |

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### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC002062 |
| ETIM 6.0 | EC002925 |
| ETIM 7.0 | EC002925 |

#### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 31251501 |
| UNSPSC 19.0 | 31251501 |
| UNSPSC 20.0 | 31251501 |
| UNSPSC 21.0 | 31251501 |

### Approvals

#### Approvals

Approvals

EAC

Ex Approvals

#### Approval details

|     |                                                                                     |                          |
|-----|-------------------------------------------------------------------------------------|--------------------------|
| EAC |  | RU C-<br>DE.BL08.B.00511 |
|-----|-------------------------------------------------------------------------------------|--------------------------|

### Accessories

#### Accessories

Plug for cable screw gland

Screw plug - PROT-M12 SH - 1503302



An M12 screw plug for the unoccupied M12 sockets of the shielded sensor/actuator cable, boxes and flush-type connectors

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### Accessories

Screw plug - PROT-M12 - 1680539



An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

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Screw plug - PROT-M12 MS-PA-CHAIN - 1430899



M12 sealing cap with fixing band, for sensor cables, for free M12 sockets

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### Protective cap

Sealing cap - PROT-M12 FS-M - 1430488



M12 metal sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

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Sealing cap - PROT-M12 FS - 1560251



M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

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Sealing cap - PROT-M12 FS-PA-CHAIN - 1430873



M12 sealing cap made of plastic with fixing band, for sensor cables, for free M12 plugs

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### Screwdriver tools

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### Accessories

Tool - SAC BIT M12-D15 - 1208432



Nut for assembling sensor/actuator cables with M12 connector and M12 connectors for assembly, with a knurl diameter of 15 mm, for 4 mm hexagonal drive

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### Torque tool

Torque screwdriver - TSD 04 SAC - 1208429



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

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Authorized Distributor

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