

## Y distributor - SAC-3P-Y/2XFS B PE SCO - 1523968

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Y distributor, 4-position, Plug straight M12 SPEEDCON, coding: A, on Socket straight M12 SPEEDCON, coding: A, PIN 2+4 bridged and Socket straight M12 SPEEDCON, coding: A, PIN 2+4 bridged, Thread M12 socket not rotatable



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 5 pc                                                                                                    |
| GTIN         | <br>4 046356 072960 |
| GTIN         | 4046356072960                                                                                           |

### Technical data

#### Dimensions

|                 |       |
|-----------------|-------|
| Center distance | 18 mm |
|-----------------|-------|

#### Ambient conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 90 °C (Plug / socket) |
| Degree of protection            | IP65                             |
|                                 | IP67                             |

#### General

|                       |                                                                                                                                                                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note                  | with center distance of 18 mm, suitable for molded connectors and unshielded connectors that can be assembled with QUICKON IDC terminal block connection technology and a connection range of 0.14 mm <sup>2</sup> to 0.34 mm <sup>2</sup> |
| Rated current at 40°C | 4 A                                                                                                                                                                                                                                        |
| Rated voltage         | 48 V AC                                                                                                                                                                                                                                    |
|                       | 60 V DC                                                                                                                                                                                                                                    |
| Number of positions   | 4                                                                                                                                                                                                                                          |
| Insulation resistance | ≥ 100 MΩ                                                                                                                                                                                                                                   |
| Coding                | A - standard                                                                                                                                                                                                                               |
| Standards/regulations | M12 connector IEC 61076-2-101                                                                                                                                                                                                              |
| Status display        | No                                                                                                                                                                                                                                         |

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### Technical data

#### General

|                             |                        |
|-----------------------------|------------------------|
| Overvoltage category        | II                     |
| Degree of pollution         | 3                      |
| Insertion/withdrawal cycles | ≥ 100                  |
| Torque                      | 0.4 Nm (M12 connector) |

#### Material

|                                        |                                             |
|----------------------------------------|---------------------------------------------|
| Flammability rating according to UL 94 | HB                                          |
| Contact material                       | CuZn                                        |
| Contact surface material               | Ni/Au                                       |
| Contact carrier material               | TPU GF                                      |
| Material of grip body                  | TPU, hardly inflammable, self-extinguishing |
| Material, knurls                       | Zinc die-cast, nickel-plated                |
| Sealing material                       | NBR                                         |

#### Standards and Regulations

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

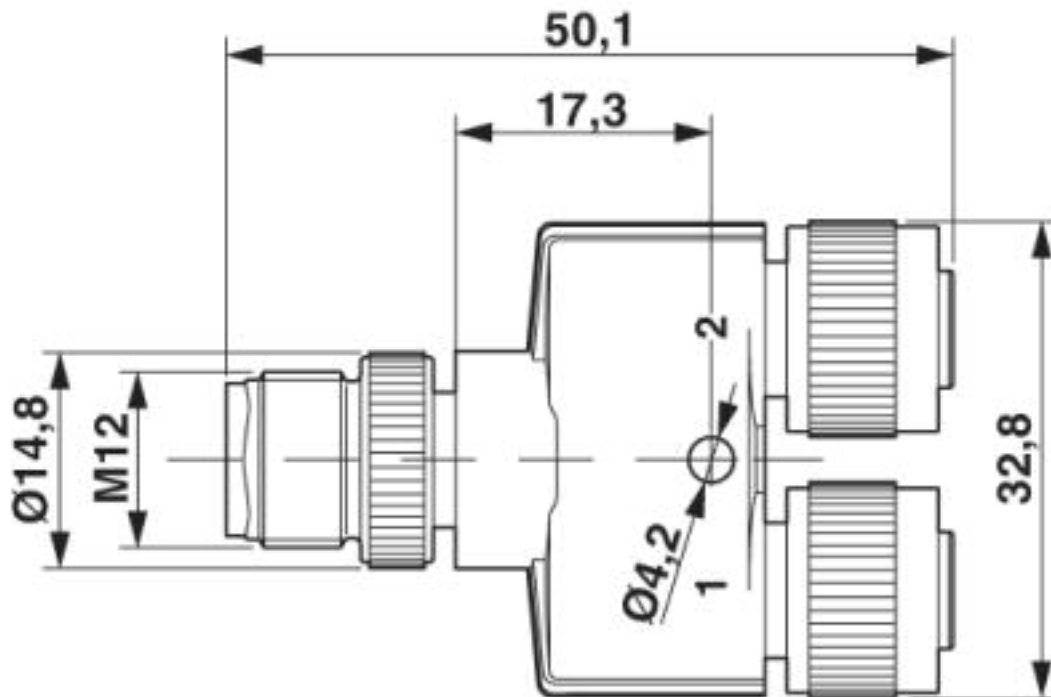
#### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 50 years                                                      |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Drawings

## Y distributor - SAC-3P-Y/2XFS B PE SCO - 1523968

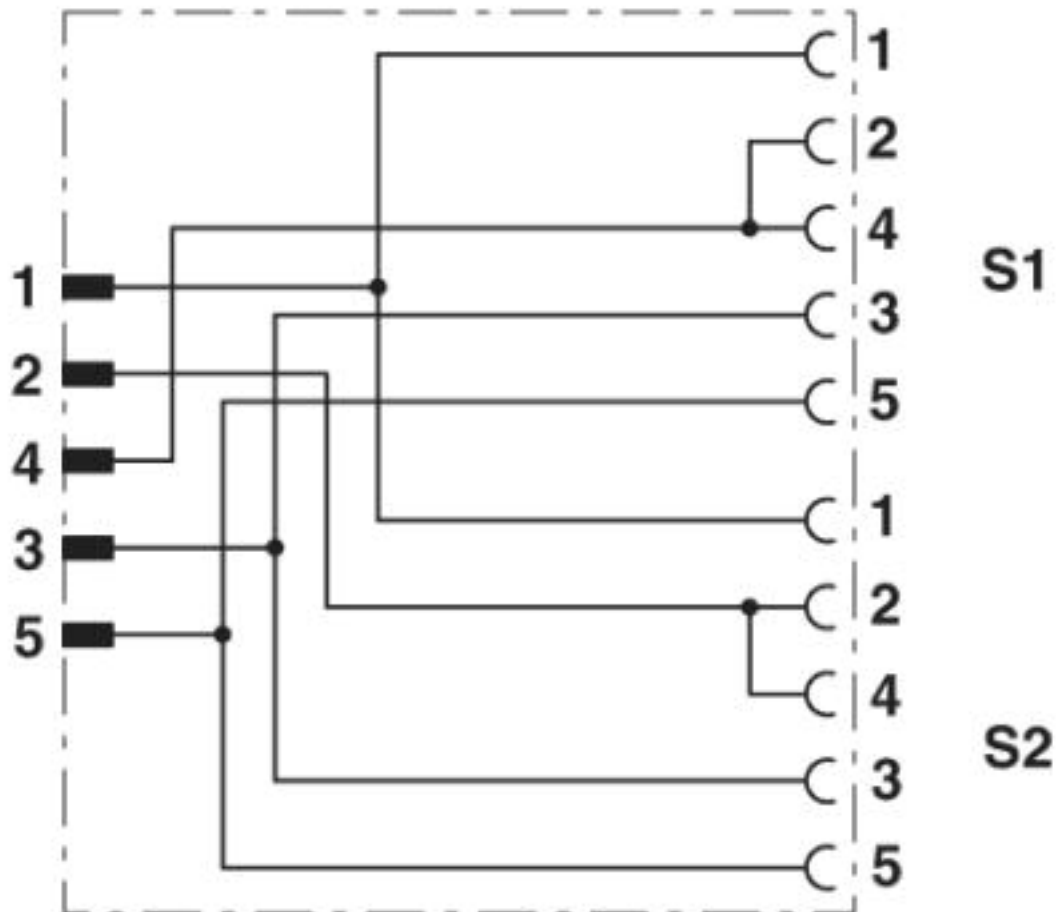
Dimensional drawing



Plug M12 x 1, Y distributor

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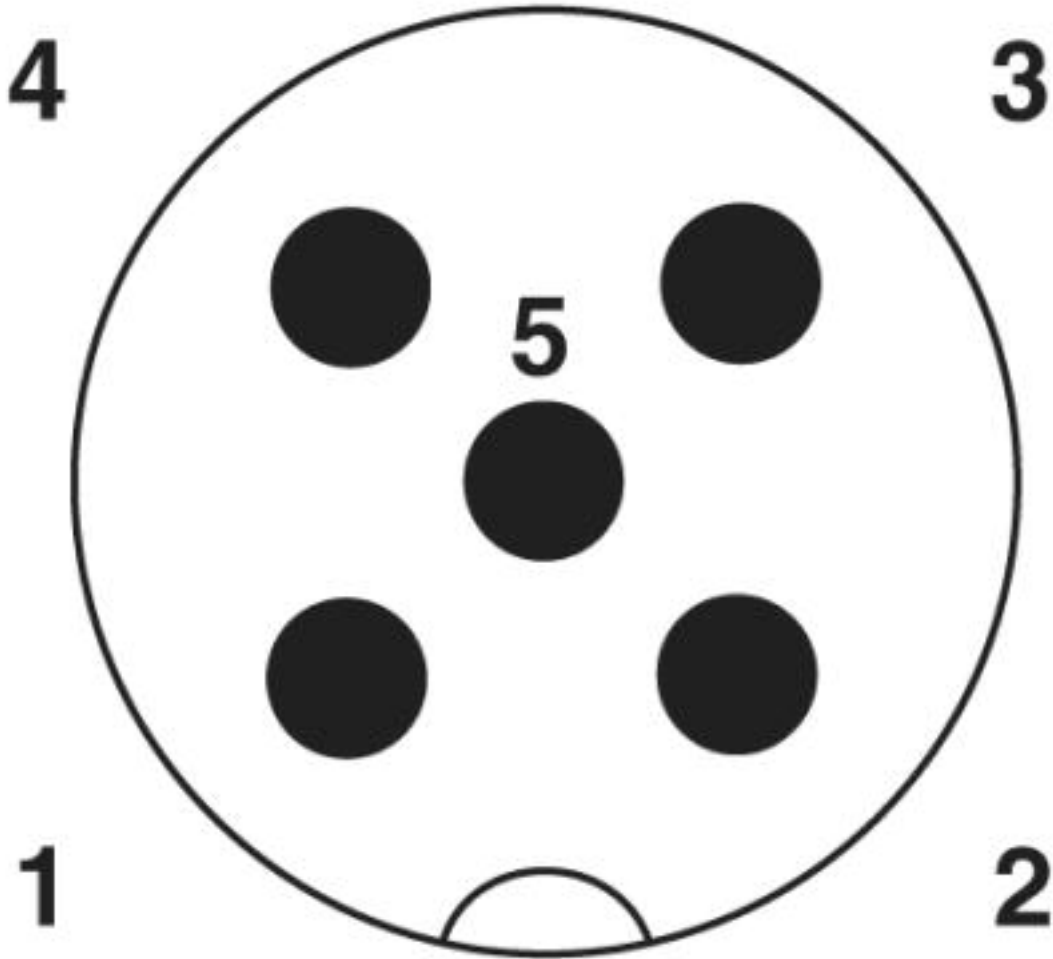
Circuit diagram



Contact assignment of the M12 Y distributor

## Y distributor - SAC-3P-Y/2XFS B PE SCO - 1523968

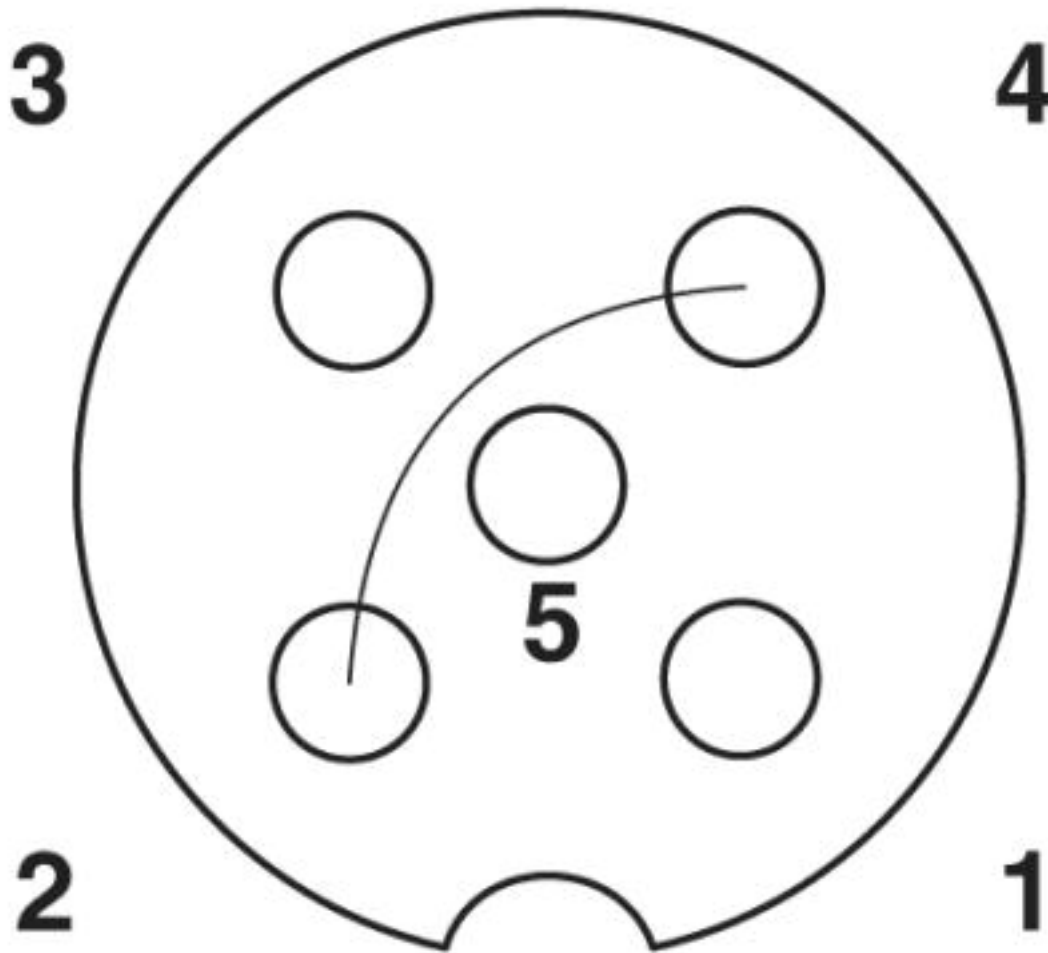
Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side

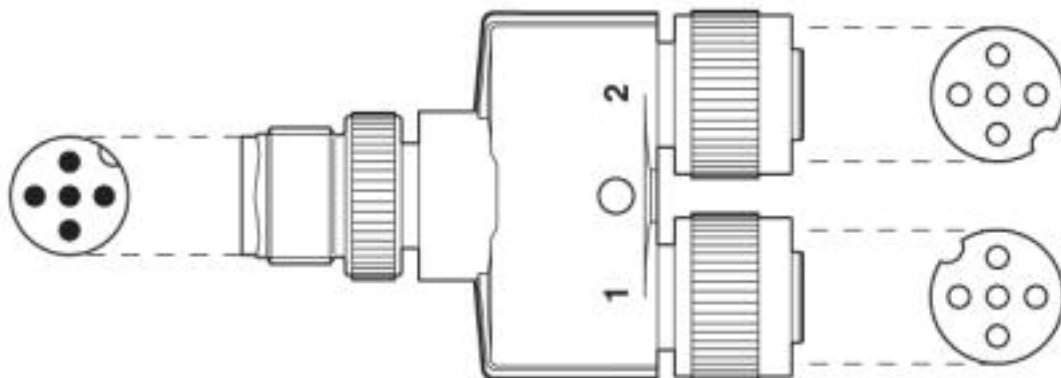
## Y distributor - SAC-3P-Y/2XFS B PE SCO - 1523968

Schematic diagram



Pin assignment M12 socket, 5-pos., PIN 2+4 bridged, A-coded, socket side view

Schematic diagram



Layout of connector pin assignments

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### 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 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000830 |
| ETIM 3.0 | EC001855 |
| ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC002062 |
| ETIM 6.0 | EC002925 |
| ETIM 7.0 | EC002925 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11     | 31251501 |
| UNSPSC 12.01  | 31251501 |
| UNSPSC 13.2   | 31251501 |
| UNSPSC 19.0   | 31251501 |
| UNSPSC 20.0   | 31251501 |
| UNSPSC 21.0   | 31251501 |

### Approvals

#### Approvals

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##### Approvals

UL Listed / cUL Listed / EAC / EAC / cULus Listed

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##### Ex Approvals

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#### Approval details

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### Approvals

|                    |                                                                                   |                                                                                                                                                       |         |
|--------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| UL Listed          |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E221474 |
|                    |                                                                                   |                                                                                                                                                       |         |
| Nominal voltage UN |                                                                                   | 30 V                                                                                                                                                  |         |
| Nominal current IN |                                                                                   | 4 A                                                                                                                                                   |         |

|                    |                                                                                   |                                                                                                                                                       |         |
|--------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| cUL Listed         |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E221474 |
|                    |                                                                                   |                                                                                                                                                       |         |
| Nominal voltage UN |                                                                                   | 30 V                                                                                                                                                  |         |
| Nominal current IN |                                                                                   | 4 A                                                                                                                                                   |         |

|     |                                                                                    |                          |  |
|-----|------------------------------------------------------------------------------------|--------------------------|--|
| EAC |  | RU C-<br>DE.AI30.B.01102 |  |
|-----|------------------------------------------------------------------------------------|--------------------------|--|

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

|              |                                                                                     |  |  |
|--------------|-------------------------------------------------------------------------------------|--|--|
| cULus Listed |  |  |  |
|--------------|-------------------------------------------------------------------------------------|--|--|

### Accessories

#### Accessories

Plug for cable screw gland

Screw plug - PROT-MS SCO - 1553129



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### Accessories

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

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



Screw plug - PROT-MS SCO - 1553129



### Protective cap

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

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

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



### Screwdriver tools

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

### Torque tool

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### Accessories

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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