# SAC-8PY-M/2XF BK 3-PSR - Y distributor

1054341

https://www.phoenixcontact.com/us/products/1054341

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Y distributor for PSR-CT series RFID transponder switches, M12 male/female, 5- and 8-pos., for signal contact feedback to the PLC

## Product description

Type 3 Y distributor for integrated diagnostics via signal contact with PSR-CT safety circuits.

## Your advantages

- Easy signal contact feedback to the PLC
- Easy installation with M12 connection
- Eliminates wiring errors

## Commercial data

| | |
|---|---|
| Item number | 1054341 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF10 |
| Product key | AF1GAC |
| GTIN | 4055626702506 |
| Weight per piece (including packing) | 32.6 g |
| Weight per piece (excluding packing) | 32.6 g |
| Customs tariff number | 85366990 |
| Country of origin | PL |

## Technical data

### Product properties

| | |
|---|---|
| Product type | Y-distributor |
| Number of positions | 8 |
| No. of cable outlets | 2 |
| Shielded | no |
| Coding | A |
| Thread type | M12 |

Insulation characteristics

| | |
|---|---|
| Overvoltage category | II |
| Degree of pollution | 3 |

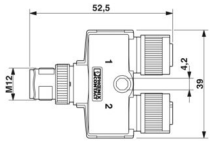
### Electrical properties

| | |
|---|---|
| Insulation resistance | ≥ 100 MΩ |
| Nominal voltage $U_N$ | 30 V AC |
| | 30 V DC |
| Nominal current $I_N$ | 2 A |

### Signaling

| | |
|---|---|
| Status display | no |
| Status display present | no |

### Dimensions

| | |
|---|---|
| Dimensional drawing |  |
| Width | 39 mm |
| Height | 16 mm |
| Length | 52.5 mm |
| Center distance | 21 mm |

### Material specifications

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

## Connector

Connection 1

| | |
|---|---|
| Type | Plug straight M12 SPEEDCON |
| Locking type | SPEEDCON |
| Coding type | A |

Connection 2

| | |
|---|---|
| Type | Socket straight M12 SPEEDCON |
| Locking type | SPEEDCON |
| Coding type | A |

Connection 3

| | |
|---|---|
| Type | Socket straight M12 SPEEDCON |
| Locking type | SPEEDCON |
| Coding type | A |

## Mechanical properties

Mechanical data

| | |
|---|---|
| Insertion/withdrawal cycles | ≥ 100 |

## Environmental and real-life conditions

Ambient conditions

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

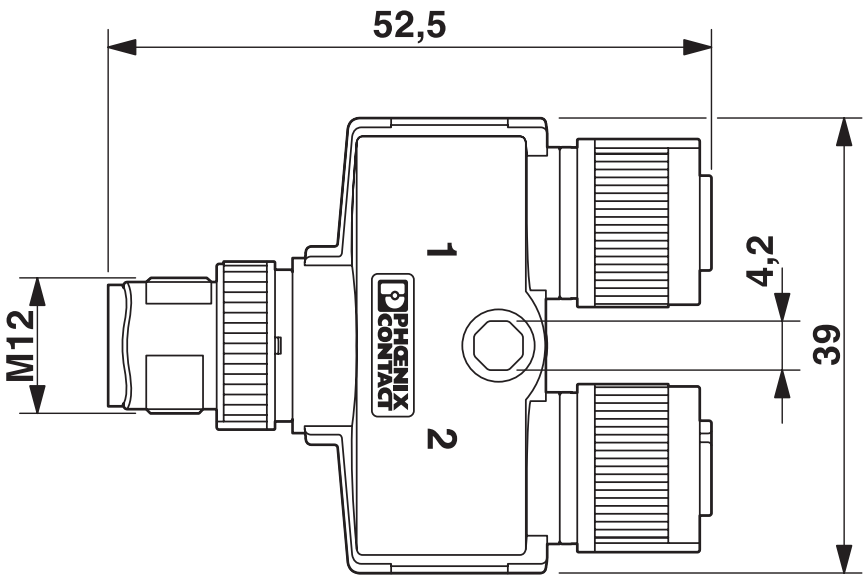
## Standards and regulations

M12

| | |
|---|---|
| Standard designation | M12 connector |
| Standards/specifications | IEC 61076-2-101 |

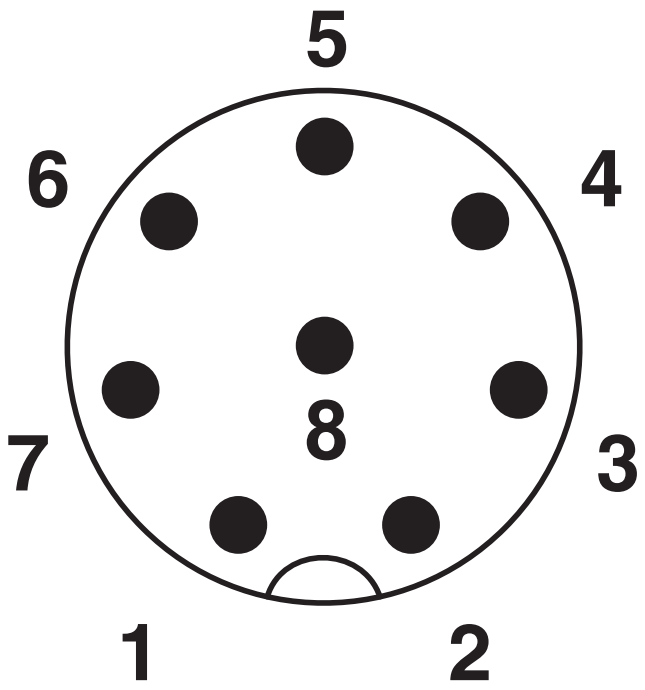
## Drawings

Dimensional drawing



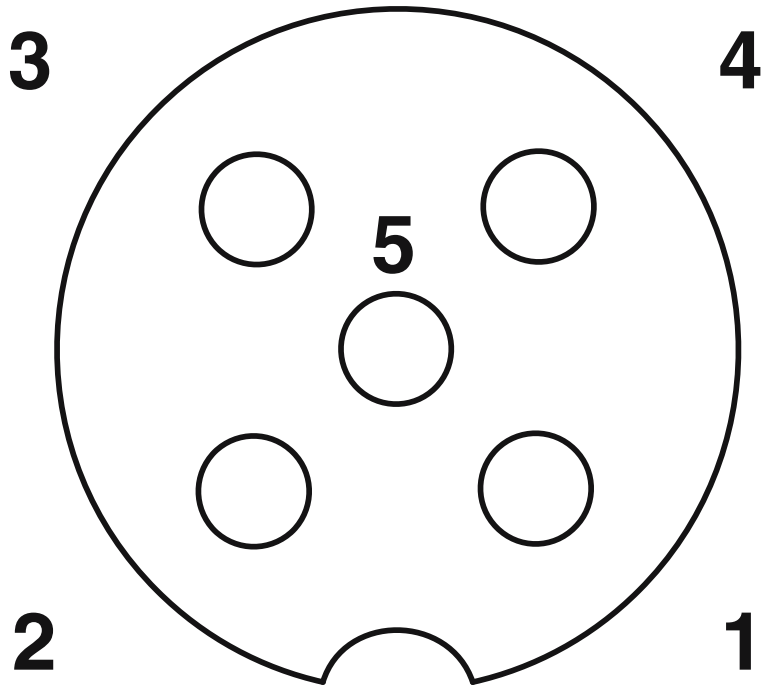

M12 Y distributor

Schematic diagram



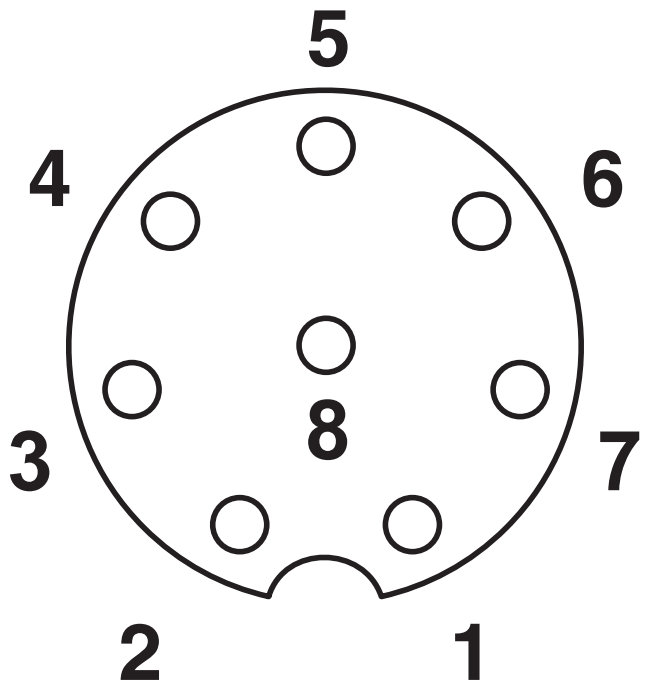

Pin assignment M12 plug, 8-pos., A-coded, view plug side

Schematic diagram



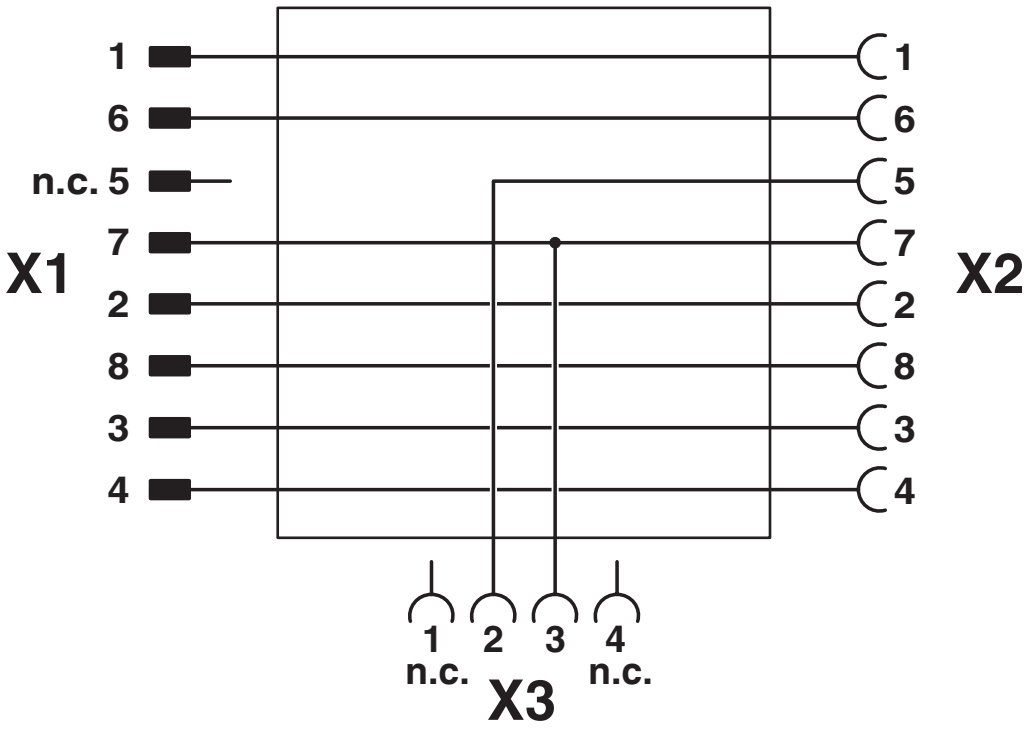

Pin assignment M12 socket, 5-pos., A-coded, socket side view

Schematic diagram




Pin assignment M12 socket, 8-pos., A-coded, view female side

Circuit diagram




Contact assignment of the M12 Y distributor

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440106 |
| ECLASS-15.0 | 27440106 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC002925 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 31251500 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 1.522 kg CO2e |


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