# SAC-3P-M 8Y/2XM 8FS - Y distributor

1696183

https://www.phoenixcontact.com/us/products/1696183

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Y distributor, 4-position, unshielded, Plug straight M8, coding: A, on Socket straight M8, coding: A and Socket straight M8, coding: A

## Commercial data

| | |
|---|---|
| Item number | 1696183 |
| Packing unit | 5 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF10 |
| Product key | AF1GAB |
| GTIN | 4017918181321 |
| Weight per piece (including packing) | 10.6 g |
| Weight per piece (excluding packing) | 6.91 g |
| Customs tariff number | 85366990 |
| Country of origin | PL |

## Technical data

### Product properties

| | |
|---|---|
| Product type | Y-distributor |
| Number of positions | 4 |
| No. of cable outlets | 2 |
| Shielded | no |
| Coding | A |
| Thread type | M8 |

Insulation characteristics

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

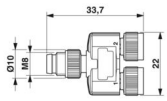
### Electrical properties

| | |
|---|---|
| Insulation resistance | ≥ 10 GΩ |
| Nominal voltage $U_N$ | 30 V AC |
| | 30 V DC |
| Nominal current $I_N$ | 4 A |

### Signaling

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

### Dimensions

| | |
|---|---|
| Dimensional drawing |   |
| Width | 22 mm |
| Height | 10 mm |
| Length | 33.7 mm |
| Center distance | 12 mm |

### Material specifications

| | |
|---|---|
| Flammability rating according to UL 94 | HB |
| Seal material | 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 M8 |
| Coding type | A |

Connection 2

| | |
|---|---|
| Type | Socket straight M8 |
| Coding type | A |

Connection 3

| | |
|---|---|
| Type | Socket straight M8 |
| 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) |

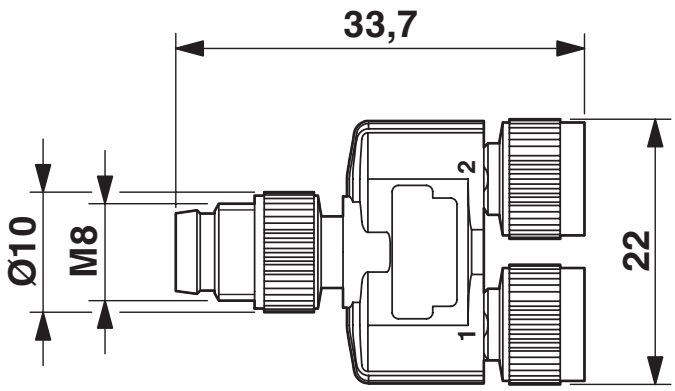
## Standards and regulations

M8

| | |
|---|---|
| Standard designation | M8 connector |
| Standards/specifications | IEC 61076-2-104 |

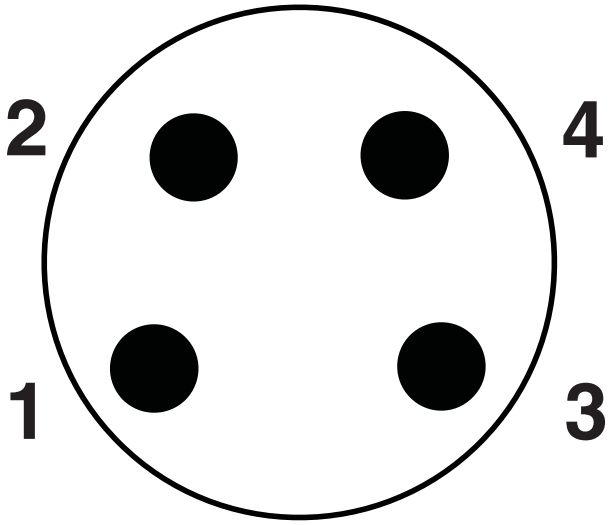
## Drawings

Dimensional drawing



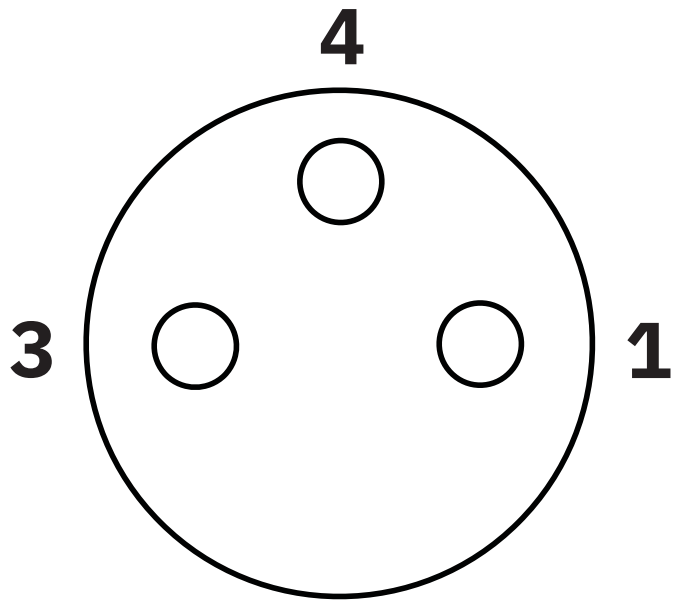

M8 Y distributor

Schematic diagram



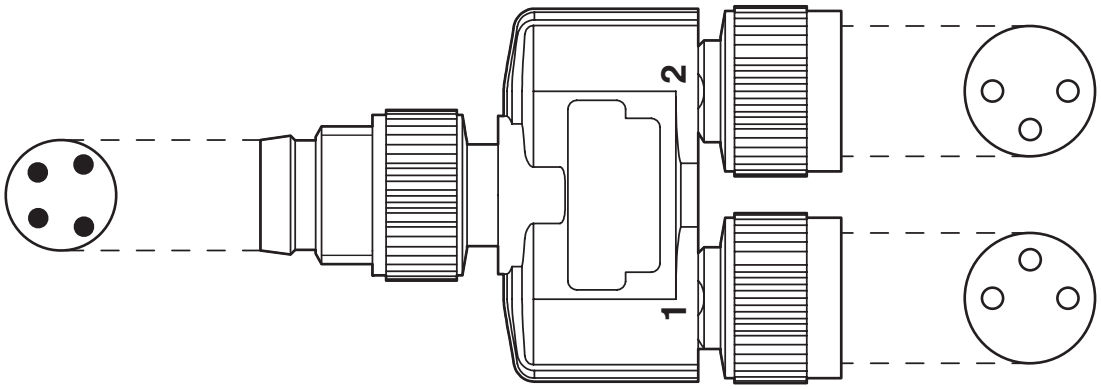

Pin assignment M8 plug, 4-pos., view male side

Schematic diagram



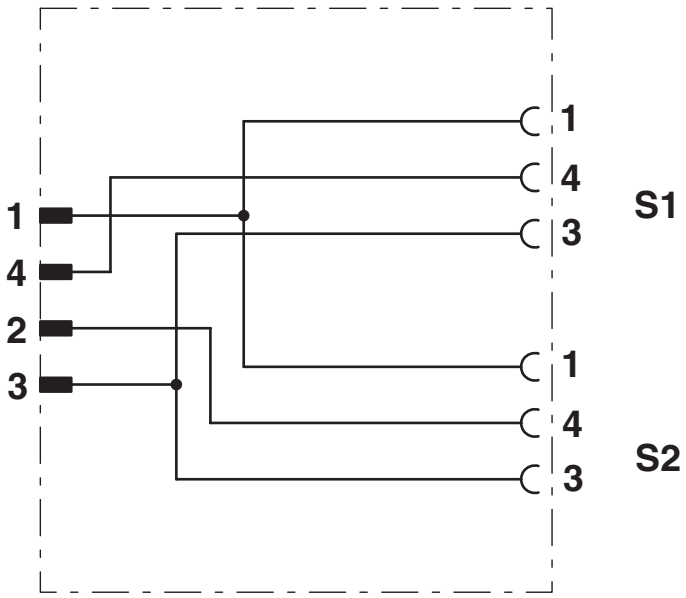

Pin assignment M8 socket, 3-pos., view female side

Schematic diagram




Layout of connector pin assignments

Circuit diagram




Contact assignment of the M8 Y distributor

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1696183

**EAC**
Approval ID: RU C-DE.AI30.B.01102

**UL Listed**
Approval ID: E221474

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 30 V | 4 A | - | - |

**cUL Listed**
Approval ID: E221474

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 30 V | 4 A | - | - |

## 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 | 0.927 kg CO2e |


Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com



Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com