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# Y distributor - SAC-3P-M12Y/2XM12FS PE - 1683455

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Y distributor, 4-position, Plug straight M12, A-coded, on Socket straight M12, A-coded and Socket straight M12, A-coded

## Product Features

- T-plugs
- Termination resistors
- Y-distributors for power and signal connections

## Key Commercial Data

| Packing unit | 1 pc |
|---|---|
| Minimum order quantity | 5 pc |
| GTIN | 4 017918 166922 |
| Weight per Piece (excluding packing) | 28.16 g |
| Custom tariff number | 85366990 |
| Country of origin | Poland |

## Technical data

### Dimensions

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

### Ambient conditions

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

### General

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## Technical data

### 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 mm² to 0.34 mm² |
|---|---|
| Rated current at 40°C | 4 A |
| Rated voltage | 60 V |
| Number of positions | 4 |
| Insulation resistance | $\geq$ 100 MΩ |
| Coding | A - standard |
| Standards/regulations | M12 connector IEC 61076-2-101 |
| Status display | No |
| Overvoltage category | II |
| Degree of pollution | 3 |
| Insertion/withdrawal cycles | $\geq$ 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 |

### Cable

### Standards and Regulations

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

## Classifications

### eCl@ss

| eCl@ss 4.0 | 27060306 |
|---|---|
| eCl@ss 4.1 | 27060306 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |

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## Classifications

### eCl@ss

| eCl@ss 7.0 | 27061801 |
|---|---|
| eCl@ss 8.0 | 27440104 |
| eCl@ss 9.0 | 27440106 |

### ETIM

| ETIM 2.0 | EC000830 |
|---|---|
| ETIM 3.0 | EC001856 |
| ETIM 4.0 | EC002585 |
| ETIM 5.0 | EC002062 |

### UNSPSC

| UNSPSC 6.01 | 31251501 |
|---|---|
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11 | 31251501 |
| UNSPSC 12.01 | 31251501 |
| UNSPSC 13.2 | 31251501 |

## Approvals

### Approvals

Approvals

EAC / UL Listed

Ex Approvals

Approvals submitted

### Approval details

| EAC |
|---|

| UL Listed | |
|---|---|
| | |
| Nominal current IN | 4 A |

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## Approvals

| | |
|---|---|
| Nominal voltage UN | 30 V |

## Accessories

### Accessories

Protective cap

Screw plug - PROT-M12 - 1680539

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

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

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

M12 sealing cap with fixing band, for sensor cables, for free M12 sockets
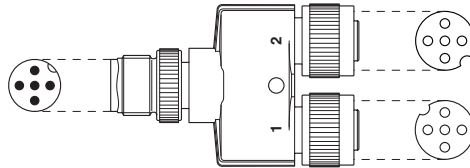
Sealing cap - PROT-M12 FS-PA-CHAIN - 1430873

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

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

## 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

## Drawings

Schematic diagram

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

Schematic diagram

Pin assignment socket M 12, 3-pos. + PE

Dimensional drawing

M12 Y distributor

Circuit diagram

Contact assignment of the M12 Y distributor

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Schematic diagram

Layout of connector pin assignments

# Mouser Electronics

Authorized Distributor


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