

## Y distributor - SAC-3P-M12Y/2XM12FS PE S21 - 1511789

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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

RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 5 STK                                                                                                   |
| GTIN         | <br>4 017918 943516 |
| GTIN         | 4017918943516                                                                                           |

### Technical data

#### Dimensions

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

#### Ambient conditions

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

#### General

|                             |                               |
|-----------------------------|-------------------------------|
| 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                            |
| Overvoltage category        | II                            |
| Degree of pollution         | 3                             |
| Insertion/withdrawal cycles | ≥ 100                         |

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## Technical data

### General

|        |                        |
|--------|------------------------|
| 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

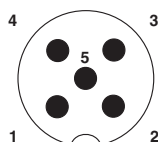
|                                        |                 |
|----------------------------------------|-----------------|
| Standard designation                   | M12 connector   |
| Standards/regulations                  | IEC 61076-2-101 |
| Flammability rating according to UL 94 | HB           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

### Environmental Product Compliance

|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

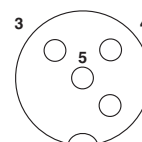
## Drawings

Schematic diagram



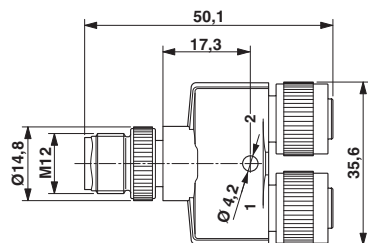
Pin assignment M12 male connector, 5-pos., A-coded, male side

Schematic diagram



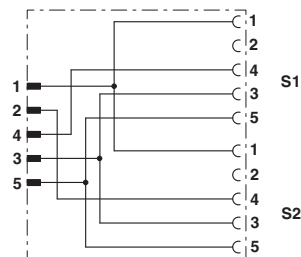
Pin assignment socket M 12, 3-pos. + PE

Dimensional drawing



Plug M12 x 1, Y distributor, inner gauge of 21 mm

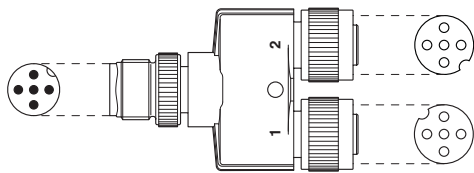
Circuit diagram



Contact assignment of the M12 Y distributor

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Schematic diagram



Layout of connector pin assignments

Approvals

Approvals

Approvals

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

Ex Approvals

Approval details

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

|     |                                                                                     |               |
|-----|-------------------------------------------------------------------------------------|---------------|
| EAC |  | EAC-Zulassung |
|-----|-------------------------------------------------------------------------------------|---------------|

|                                |                                                                                     |                                                                                                                                                       |         |
|--------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 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 current I <sub>N</sub> |                                                                                     | 4 A                                                                                                                                                   |         |
| Nominal voltage U <sub>N</sub> |                                                                                     | 30 V                                                                                                                                                  |         |

|                                |                                                                                     |                                                                                                                                                       |         |
|--------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 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 current I <sub>N</sub> |                                                                                     | 4 A                                                                                                                                                   |         |
| Nominal voltage U <sub>N</sub> |                                                                                     | 30 V                                                                                                                                                  |         |

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### Approvals

cULus Listed



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