

SACC-E-MS-4CON-M16/0,5 0,14SCO - Flush-type connector



1403190  
<https://www.phoenixcontact.com/us/products/1403190>

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Sensor/actuator flush-type plug, 4-pos., M12 SPEEDCON, A-coded, front/screw mounting with M16 thread, with 0.5 m TPE litz wire, 4 x 0.14 mm<sup>2</sup>

Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1403190       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 50 pc         |
| Product key                          | ABQYAA        |
| GTIN                                 | 4046356642811 |
| Weight per piece (including packing) | 15.6 g        |
| Weight per piece (excluding packing) | 15.6 g        |
| Country of origin                    | DE            |

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## Technical data

### Product properties

|                      |    |
|----------------------|----|
| Number of positions  | 4  |
| No. of cable outlets | 1  |
| Shielded             | no |
| Coding               | A  |

### Insulation characteristics

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

### Electrical properties

|                       |                            |
|-----------------------|----------------------------|
| Contact resistance    | $\leq 3 \text{ m}\Omega$   |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage $U_N$ | 250 V                      |
| Nominal current $I_N$ | 4 A                        |

### Connection data

|                   |                  |
|-------------------|------------------|
| Connection method | Individual wires |
|-------------------|------------------|

### Signaling

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

### Material specifications

|                                        |                              |
|----------------------------------------|------------------------------|
| Flammability rating according to UL 94 | V0                           |
| Seal material                          | NBR                          |
| Contact material                       | CuZn                         |
| Contact surface material               | Ni/Au                        |
| Contact carrier material               | PA 6.6                       |
| Material for screw connection          | Zinc die-cast, nickel-plated |
| Conductor material                     | Tin-plated Cu litz wires     |

### Connector

#### Connection 1

|                   |          |
|-------------------|----------|
| Head design       | Plug     |
| Head cable outlet | straight |
| Head thread type  | M12      |
| Head locking type | SPEEDCON |
| Coding            | A        |

### Cable/line

|              |       |
|--------------|-------|
| Cable length | 0.5 m |
|--------------|-------|

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|                          |                           |
|--------------------------|---------------------------|
| Cable type               | TPE litz wire             |
| Single wire, color       | brown, white, blue, black |
| Cable cross section      | 0.14 mm²                  |
| Conductor material       | Tin-plated Cu litz wires  |
| Material wire insulation | TPE                       |
| Thickness, insulation    | Core insulation           |

## Environmental and real-life conditions

### Ambient conditions

|                                 |                                              |
|---------------------------------|----------------------------------------------|
| Degree of protection            | IP67                                         |
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket)             |
|                                 | -25 °C ... 90 °C (cable, fixed installation) |

## Standards and regulations

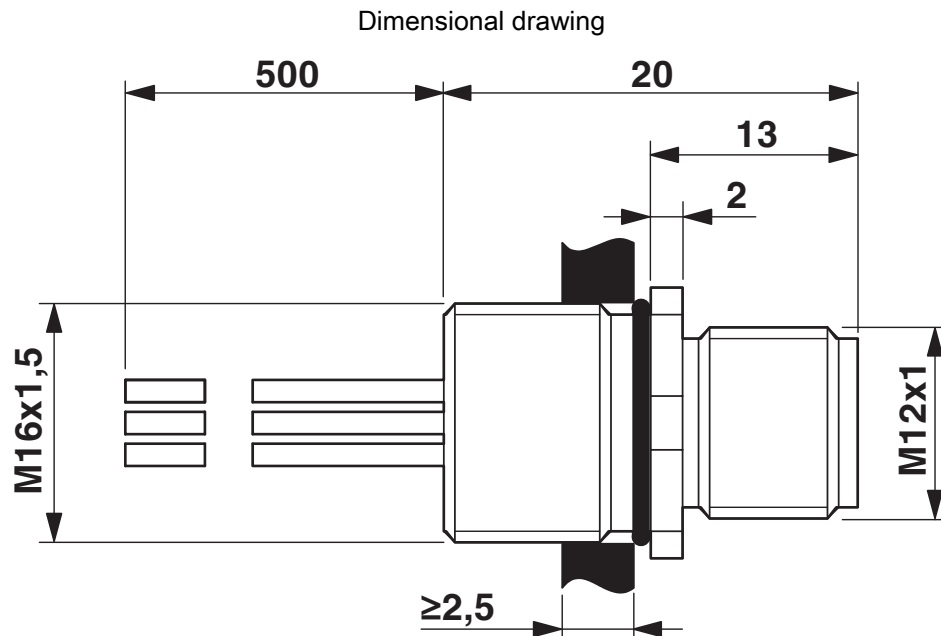
|                          |                 |
|--------------------------|-----------------|
| Standard designation     | M12 connector   |
| Standards/specifications | IEC 61076-2-101 |

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## Drawings



M12 flush-type plug

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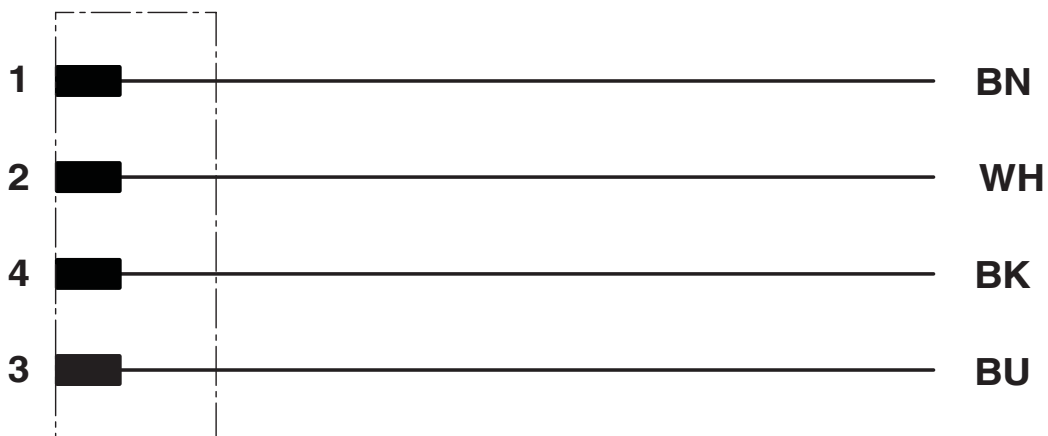
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Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded, view plug side

Circuit diagram



Contact assignment of the M12 plug and the M12 socket

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