

## Connector - SACC-M12MR-4PL M - 1424654

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Connector, 4-position, Plug angled M12, A-coded, Push-in connection, knurl material: Zinc die-cast, nickel-plated, external cable diameter 4 mm ... 8 mm




### Why buy this product

- ✓ Easy and tool-free connection by means of Push-in Technology
- ✓ Conveniently connect stranded conductors, thanks to lever
- ✓ Reliable and quick connection of electric cables
- ✓ Flexible signal and data cabling
- ✓ Flexible cable outlets with angled connectors
- ✓ Easy and tool-free connection by means of Push-in Technology

RoHS

### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 STK   |
| GTIN                                 | <br>4 055626 375816 |
| GTIN                                 | 4055626375816   |
| Weight per Piece (excluding packing) | 20.000 g  |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|                                |               |
|--------------------------------|---------------|
| Diameter housing               | 19 mm         |
| Length                         | 51 mm         |
| External cable diameter        | 4 mm ... 8 mm |
| Stripping length of the sheath | 31 mm         |

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## Technical data

### Dimensions

|   |      |
|---|------|
| Stripping length of the individual wire | 8 mm |
|---|------|

### Ambient conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -40 °C ... 85 °C (Plug / socket) |
| Degree of protection            | IP65                             |
|                                 | IP67                             |

### General

|                             |   |
|-----------------------------|---|
| Rated current at 40°C       | 4 A   |
| Rated voltage               | 250 V   |
| Number of positions         | 4   |
| Color handle area           | black   |
| Insulation resistance       | ≥ 100 MΩ  |
| Coding                      | A - standard  |
| Standards/regulations       | M12 connector IEC 61076-2-101                                       |
|                             | Shock, vibration EN 50155:2001                                      |
| Status display              | No  |
| Overvoltage category        | II  |
| Degree of pollution         | 3   |
| Connection method           | Push-in connection  |
| Conductor cross section     | 0.14 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (without ferrule)     |
|                             | 0.08 mm <sup>2</sup> ... 0.5 mm <sup>2</sup> (with ferrule)         |
|                             | 0.14 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (solid)               |
| Conductor cross section AWG | 26 ... 18 (without ferrule)   |
|                             | 28 ... 20 (with ferrule)  |
| Insertion/withdrawal cycles | ≥ 100 Quantity: 500 with Phoenix Contact mating connector           |
| Torque                      | 0.4 Nm (M12 knurl)  |
|                             | 0.4 Nm (Connector with coupling sleeve)                             |
|                             | 1.5 Nm (Pressure nut with coupling sleeve)                          |
| Assembly instructions       | The connector pin assignment can be rotated 45° to the cable outlet |
|                             | The wires can be connected both with ferrules and without ferrules  |

### Material

|  |                              |
|--|------------------------------|
| Flammability rating according to UL 94 | V0                           |
| Contact material                       | CuSn                         |
| Contact surface material               | Ni/Au                        |
| Contact carrier material               | PA 6.6                       |
| Material of grip body                  | PA 6.6                       |
| Material, knurls                       | Zinc die-cast, nickel-plated |

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## Technical data

### Material

|                                    |   |
|------------------------------------|---|
| Sealing material                   | NBR   |
| Additional material specifications | PBT (Pressure nut, weight: 2.36 g)  |
|                                    | PA 6 (Actuation lever)  |
| Standards/regulations              | PA 6.6: Fire protection in rail vehicles - requirement sets R22, R23, R24, and R26 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)        |
|                                    | PA 6: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)               |
|                                    | PBT: Fire protection in rail vehicles - requirement sets R22, R23, R24, and R26 acc. to DIN EN 45545-2 (Risk level HL1 - HL2, R26: HL3) |

### Standards and Regulations

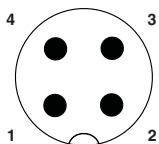
|  |                  |
|--|------------------|
| Standard designation                   | M12 connector    |
| Standards/regulations                  | IEC 61076-2-101  |
| Standard designation                   | Shock, vibration |
| Standards/regulations                  | EN 50155:2001    |
| Flammability rating according to UL 94 | V0               |

### Environmental Product Compliance

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

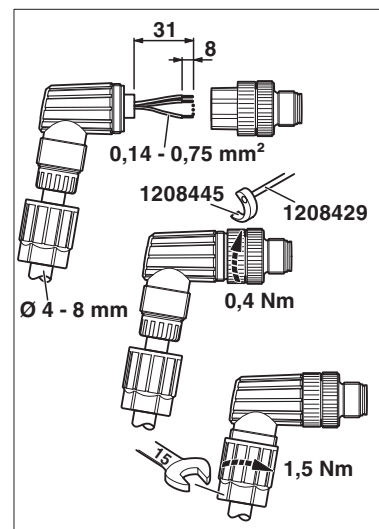
## Drawings

Schematic diagram



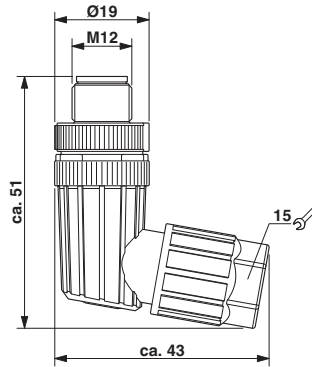
Pin assignment M12 plug, 4-pos., A-coded, view plug side

Functional drawing



# Connector - SACC-M12MR-4PL M - 1424654

Dimensional drawing



M12 SPEEDCON plug, angled

## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27143423 |
| eCl@ss 6.0 | 27279200 |
| eCl@ss 7.0 | 27440104 |
| eCl@ss 8.0 | 27440104 |
| eCl@ss 9.0 | 27440102 |

ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC002635 |
| ETIM 6.0 | EC002635 |

## Approvals

Approvals

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Approvals

EAC

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Ex Approvals

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Approval details

## Connector - SACC-M12MR-4PL M - 1424654

### Approvals

EAC



EAC-Zulassung