

Product data sheet

Automation technology - sensors and actuators

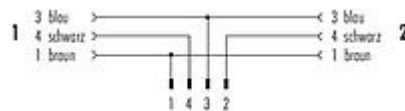


| | |
|---------------------|--|
| Product description | Connecting Cables Connecting cable, Contacts: 4/3, unshielded, moulded on cable, IP68, PUR black, 3 x 0.34 mm ² , 1 m |
| Area | Connecting Cables series 765 |
| Part no. | 77 9829 3434 50003-0100 |

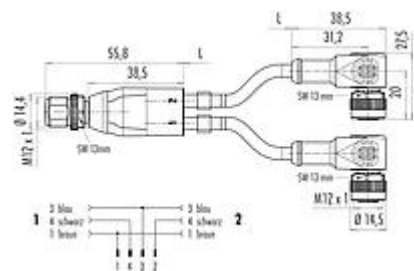
Illustration



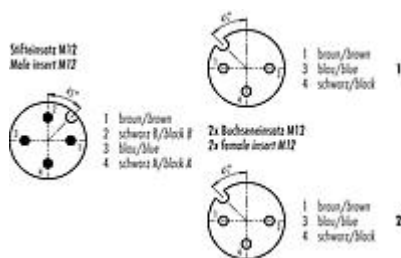
Pin assignment plans



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

| | |
|---------------------------|--|
| Part no. | 77 9829 3434 50003-0100 |
| | Alternative part no.: 79 5201 10 04 |
| Notice | Please note that, due to the change from the old to the new order number, there may be deviations in the technical specifications. For questions about product details, please use the 'Contact Customer Service' form on the right. |
| Connector design | Connecting cable |
| Cable length | 1 m |
| Version | Connection cable |
| Connector locking system | screw |
| Termination | moulded on cable |
| Degree of protection | IP68 |
| Cross-sectional area | 0.34 mm ² / AWG 22 |
| Temperature range from/to | -25 °C / 85 °C |

Product data sheet

Automation technology - sensors and actuators



| | |
|---------------------|--|
| Product description | Connecting Cables Connecting cable, Contacts: 4/3, unshielded, moulded on cable, IP68, PUR black, 3 x 0.34 mm ² , 1 m |
| Area | Connecting Cables series 765 |
| Part no. | 77 9829 3434 50003-0100 |

| | |
|-----------------------|---------------------|
| Mechanical operation | > 100 Mating cycles |
| Weight (g) | 88.00 |
| Customs tariff number | 85444290 |

Electrical parameters

| | |
|---------------------------|------------|
| Rated voltage | 250 V |
| Rated impulse voltage | 2500 V |
| Rated current (40 °C) | 4.0 A |
| Pollution degree | 3 |
| Overvoltage category | II |
| Insulating material group | II |
| EMC compliance | unshielded |

Material

| | |
|-----------------------|------------------------------|
| Housing material | PUR |
| Contact body material | PUR |
| Contact material | CuZn (brass) / CuSn (bronze) |
| Contact plating | Au (gold) |
| Locking material | Zinc die-cast nickel-plated |
| REACH SVHC | None (No pollutants) |
| SCIP number | SCIP-number not available |

Classifications

| | |
|-------------|-------------|
| eCl@ss 11.1 | 27-06-03-11 |
| ETIM 7.0 | EC001855 |

Declarations of conformity

| | |
|-----------------------|--|
| Low Voltage Directive | 2014/35/EU (EN 60204-1:2018;EN 60529:1991) |
| RoHS Directive | 2011/65/EU (EN 50581:2012) |

Cable data - Structure of the cable

| | |
|------------------------|--------------------------|
| Cable diameter | 4.3 mm |
| Cross section | 3 x 0.34 mm ² |
| Sheath material | PUR |
| Single-lead insulation | PP9Y halogen-free |
| Single-lead structure | 43 x 0.10 mm |
| Cable color | black |

Product data sheet

Automation technology - sensors and actuators



| | |
|---------------------|--|
| Product description | Connecting Cables Connecting cable, Contacts: 4/3, unshielded, moulded on cable, IP68, PUR black, 3 x 0.34 mm ² , 1 m |
| Area | Connecting Cables series 765 |
| Part no. | 77 9829 3434 50003-0100 |

Cable data - Electrical properties

| | |
|----------------------|----------------|
| Conductor resistance | 60 Ω/Km (20°C) |
|----------------------|----------------|

Cable data - Mechanical properties

| | |
|------------------------------|----------------------|
| Bending radius, fixed cable | ≥ 5 x Ø |
| Bending radius, moving cable | ≥ 10 x Ø |
| Bending cycles | > 5 million |
| Permitted acceleration | ≥ 5 m/s ² |
| Travel distance, horizontal | ≥ 5 m |
| Travel distance, vertical | ≥ 5 m |
| Travel speed | ≤ 200 m/min |

Cable data - Thermal properties

| | |
|---|----------------|
| Temperature range cable in move from/to | -25 °C / 80 °C |
| Temperature range cable fixed from/to | -50 °C / 80 °C |

Cable data - Other features

| | |
|--------------|-----|
| Halogen free | yes |
|--------------|-----|

| | |
|---------------------|---|
| Product description | Connecting Cables Connecting cable, Contacts: 4/3, unshielded, moulded on cable, IP68, PUR black, 3 x 0.34 mm², 1 m |
| Area Part no. | Connecting Cables series 765 77 9829 3434 50003-0100 |

Security notices

The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.

The connectors have been developed for applications in plant engineering, control and electrical equipment construction. The user is responsible for checking whether the connectors can also be used in other areas of application.

Plug connectors with enclosure protection IP67 and IP68 are not suitable for use under water. When used outdoors, the plug connectors must be protected separately against corrosion. For further information on the IP protection classes, please refer to the "Technical Information" download centre.

To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 60 cNm).