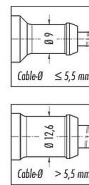
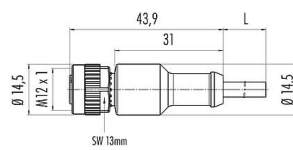


| | |
|---------------------|--|
| Product description | M12-A Female cable connector, Contacts: 4, unshielded, moulded on the cable, IP69K, UL, PUR, 4 x 0.34 mm², 2 m |
| Area | M12-A series 763 |
| Part no. | 77 3430 0000 50004-0200 |

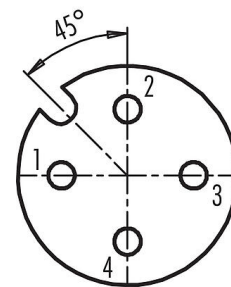
Illustration



Scale drawing



Contact arrangement (Plug-in side)



- 1 brown
- 2 white
- 3 blue
- 4 black

Technical data

General features

| | |
|---------------------------|--|
| Part no. | 77 3430 0000 50004-0200 |
| | Alternative part no.: 79 3430 33 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 | Female cable connector |
| Cable length | 2 m |
| Version | Connector socket straight |
| Connector locking system | screw |
| Termination | moulded on the cable |
| Degree of protection | IP69K |
| Cross-sectional area | 0.34 mm ² / AWG 22 |
| Temperature range from/to | -25 °C / 90 °C |
| Mechanical operation | > 100 Mating cycles |
| Weight (g) | 165.00 |
| Customs tariff number | 85444290 |

Electrical parameters

| | |
|---------------------------|----------------------|
| Rated voltage | 250 V |
| Rated impulse voltage | 2500 V |
| Rated current (40 °C) | 4.0 A |
| Insulation resistance | ≥ 10 ¹⁰ Ω |
| Pollution degree | 3 |
| Overvoltage category | II |
| Insulating material group | II |
| EMC compliance | unshielded |

| | |
|---------------------|--|
| Product description | M12-A Female cable connector, Contacts: 4, unshielded, moulded on the cable, IP69K, UL, PUR, 4 x 0.34 mm², 2 m |
| Area | M12-A series 763 |
| Part no. | 77 3430 0000 50004-0200 |

Material

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

Authorization/approvals

| | |
|-----------|----|
| Approvals | UL |
|-----------|----|

Classifications

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

Declarations of conformity

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

Cable data - Structure of the cable

| | |
|------------------------|--------------------------|
| Cable diameter | 4.7 mm |
| Cross section | 4 x 0.34 mm ² |
| Sheath material | PUR |
| Single-lead insulation | PP9Y halogen-free |
| Single-lead structure | 43 x 0.10 mm |

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 |

Product data sheet

Automation technology - sensors and actuators



| | |
|---------------------|--|
| Product description | M12-A Female cable connector, Contacts: 4, unshielded, moulded on the cable, IP69K, UL, PUR, 4 x 0.34 mm², 2 m |
| Area | M12-A series 763 |
| Part no. | 77 3430 0000 50004-0200 |

Cable data - Other features

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

| | |
|---------------------|--|
| Product description | M12-A Female cable connector, Contacts: 4, unshielded, moulded on the cable, IP69K, UL, PUR, 4 x 0.34 mm², 2 m |
| Area | M12-A series 763 |
| Part no. | 77 3430 0000 50004-0200 |

General Disclaim Notice

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.

The user must take suitable safety precautions to ensure that the connector cannot be accidentally disconnected.

Plug connectors with enclosure protection IP67 and IP68 are not suitable for use under water. 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).