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|---------------------|----------------------------------------------------------------------------------------------------------------------------|
| Product description | M12-A connecting cord, Contacts: 3, not shielded, moulded on cable, IP68, M12x1, PUR black, 3 x 0.34 mm² |
| Area | M12-A series 765 |
| Order number | 79 5000 10 04 |

| Illustration | Scale drawing | Contact arrangement |
|--------------|---------------|---------------------|
| | | |

Technical data

General values

| | |
|--------------------------|----------------------|
| Connector design | connecting cord |
| Connector locking system | screw |
| Termination | moulded on cable |
| Wire gauge (mm) | 0.34 mm ² |
| Wire gauge (AWG) | 22 |
| Upper limit temperature | 85 °C |
| Lower limit temperature | - 25 °C |
| Customs tariff number | 85444290 |

Cable data

| | |
|------------------------------------------|----------|
| Cable length | 1 m |
| Sheath material | PUR |
| Single-lead insulation | PVC |
| Single-lead structure | 42 x 0,1 |
| Cable diameter | 4.5 mm |
| Conductor resistance | 55Ω/Km |
| Temperature range, moving cable, °C from | - 5 °C |
| Temperature range, moving cable, °C to | 70 °C |
| Temperature range, fixed cable, °C from | -25 °C |
| Temperature range, fixed cable, °C to | 70 °C |

Electrical values

| | |
|---------------------------|---------------------|
| Rated current (40 °C) | 4 A |
| Rated voltage | 250 V |
| Rated impulse voltage | 2500 V |
| Pollution degree | 3 |
| Overvoltage category | II |
| Insulating material group | II |
| Volume resistivity | ≤ 3 mΩ |
| EMC compliance | not shielded |
| Degree of protection | IP68 |
| Mechanical operation | > 100 Mating cycles |

Material

| | |
|-----------------------|-------------------------------------------|
| Contact material | Pin: CuZn (brass) / Socket: CuSn (bronze) |
| Contact plating | Au (gold) |
| Contact body material | PUR |
| Housing material | PUR |

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Security notices

The connector must not be connected or separated under load. Non-observance and incorrect use can result in personal injury.

The connectors are designed for use in plant, control system and electrical equipment. The end user is responsible for checking whether the connectors are suitable for use in other applications.

Connectors with degree of protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the connectors must be separately protected against corrosion. For further information about IP degrees of protection refer to 'Technical support' in the Download Centre.

To lock the cable connector to the equipment connector, the threaded ring is tightened until it is 'finger-tight' (approx. 50 cNm).