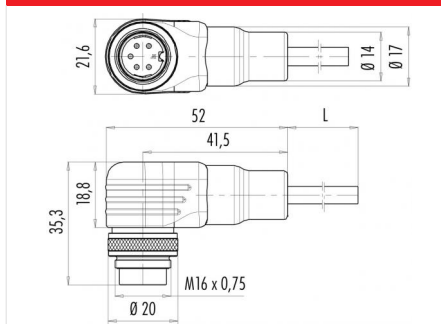


| | |
|---------------------|--|
| Product description | M16 IP67 male angled connector, Contacts: 8 DIN, unshielded, moulded on cable, IP67, PUR black, 8 x 0.25 mm ² |
| Area | M16 IP67 series 425 |
| Order number | 79 6271 200 08 |

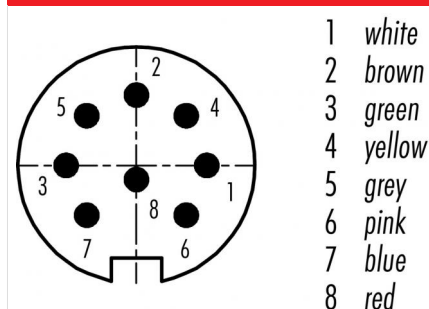
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General values

| | |
|--------------------------|-----------------------|
| Connector design | male angled connector |
| Connector locking system | screw |
| Termination | moulded on cable |
| Wire gauge (mm) | 0.25 mm ² |
| Wire gauge (AWG) | AWG 24 |
| Upper limit temperature | 70 °C |
| Lower limit temperature | -25 °C |
| Customs tariff number | 85444290 |

Cable data

| | |
|--|-----------|
| Cable length | 2 m |
| Sheath material | PUR |
| Single-lead insulation | PVC Y12 |
| Halogen free | No |
| Single-lead structure | 32x0.1 mm |
| Cable diameter | 5.7 mm |
| Cable color | black |
| Conductor resistance | 79.9 |
| Temperature range, moving cable, °C from -55°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 | |
| Bending radius, fixed cable | ≥ 5 x Ø |
| Bending radius, moving cable | ≥ 12 x Ø |

Electrical values

| | |
|---------------------------|----------------------|
| Rated current (40 °C) | 3 A |
| Rated voltage | 60 V |
| Rated impulse voltage | 500 V |
| Pollution degree | 1 |
| Overvoltage category | I |
| Insulating material group | III |
| Insulation resistance | ≥ 10 ¹⁰ Ω |
| EMC compliance | unshielded |
| Degree of protection | IP67 |
| Mechanical operation | > 500 Mating cycles |

Material

| | |
|-----------------------|----------------------|
| Contact material | CuZn (brass) |
| Contact plating | Au (gold) |
| Contact body material | PBT (UL94 V-0) |
| Housing material | PUR |
| REACH SVHC | CAS 7439-92-1 (Lead) |

| | |
|---------------------|--|
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Security notices

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 IP 67 and IP 68 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. 50 cNm).