

Product description	M16 IP67 female cable connector, Contacts: 12, shielded, moulded on cable, IP67, Shielded cable, TPE-U (PUR) black, 12 x 0.25 mm²
Area	M16 IP67 series 425
Order number	79 6130 20 12

Illustration	Scale drawing	Contact arrangement (Plug-in side)																								
		<table style="margin-left: auto; margin-right: auto;"> <tr><td>A</td><td>white</td></tr> <tr><td>B</td><td>brown</td></tr> <tr><td>C</td><td>green</td></tr> <tr><td>D</td><td>yellow</td></tr> <tr><td>E</td><td>grey</td></tr> <tr><td>F</td><td>pink</td></tr> <tr><td>G</td><td>blue</td></tr> <tr><td>H</td><td>red</td></tr> <tr><td>J</td><td>black</td></tr> <tr><td>K</td><td>purple</td></tr> <tr><td>L</td><td>grey/pink</td></tr> <tr><td>M</td><td>red/blue</td></tr> </table>	A	white	B	brown	C	green	D	yellow	E	grey	F	pink	G	blue	H	red	J	black	K	purple	L	grey/pink	M	red/blue
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Technical data

General values

Connector design	female cable connector
Connector locking system	screw
Termination	moulded on cable
Wire gauge (mm)	0.25 mm ²
Wire gauge (AWG)	24
Upper limit temperature	70 °C
Lower limit temperature	- 25 °C
Customs tariff number	85444290
Packaging Unit	30

Cable data

Cable length	2 m
Sheath material	TPE-U (PUR)
Single-lead insulation	PE 2Y
Halogen free	Yes
Single-lead structure	14x0,15 mm mm
Cable diameter	7.8 mm
Cable color	black
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
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	shielded
Degree of protection	IP67
Mechanical operation	> 500 Mating cycles

Material

Contact material	CuSn (bronze)
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 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).