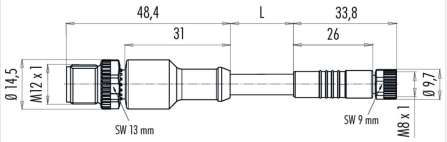
Product data sheet

Automation technology - sensors and actuators

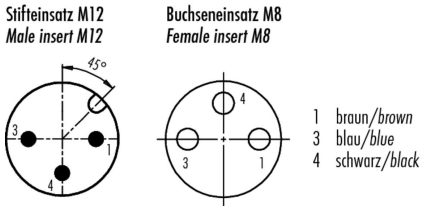
Product description	**M12-A male to M8 female cable connector, Contacts: 3, not shielded, molded on cable, IP67, UL listed, PVC grey, 3 x 0.34 mm²**
Area	**Series 765**
Order number	**77 3429 3406 20003-XXXX**

Illustration

Scale drawing



Contact arrangement (Plug-in side)



Technical data

General values

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
Connector locking system	screw
Termination	molded on cable
Wire gauge (mm)	0.34 mm²
Wire gauge (AWG)	22
Upper limit temperature	85 °C
Lower limit temperature	– 25 °C
Customs tariff number	85444290
Packaging Unit	1

Cable data

Cable length	m
Sheath material	PVC
Single-lead insulation	PVC
Halogen free	No
Single-lead structure	42x0.1 mm
Cable diameter	4.5 mm
Cable color	grey
Conductor resistance	57 Ω/Km
Temperature range, moving cable, °C from	-5°C
Temperature range, moving cable, °C to	+105°C
Temperature range, fixed cable, °C from	-40°C
Temperature range, fixed cable, °C to	+105°C
Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 10 x Ø
Approval 1	UL listed
UL style 1	AWM2517

Electrical values

Rated current (40 °C)	4 A
Rated voltage	60 V
Rated impulse voltage	1500 V
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	not shielded
Degree of protection	IP67
Mechanical operation	> 100 Mating cycles

Material

Contact material	CuZn (brass)
Contact plating	Au (gold)
Contact body material	PUR
Housing material	PUR
Locking material	Zinc die-cast nickel-plated

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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).