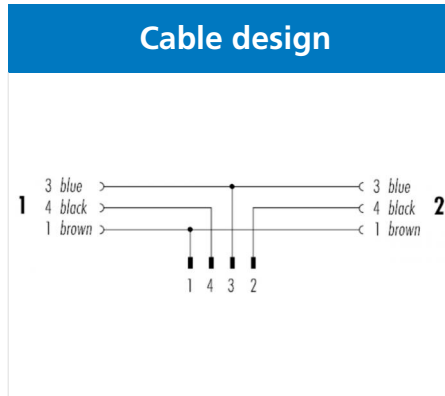


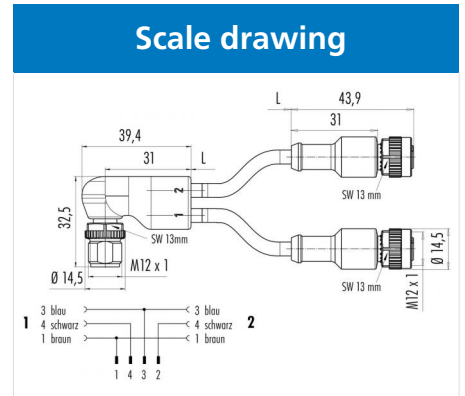
Product description	<b>M12-A connecting cord, Contacts: 4/3, unshielded, moulded on cable, IP67, PUR black, 3 x 0.34 mm<sup>2</sup></b>
Area	<b>M12-A series 765</b>
Order number	<b>77 9827 3430 50003-0200</b>



Illustration

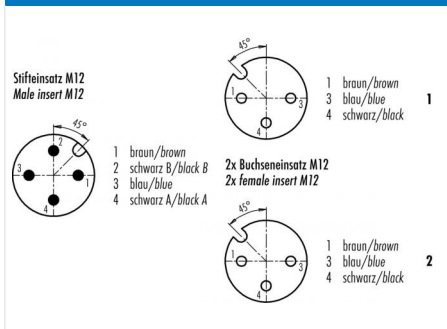


Cable design



Scale drawing

Contact arrangement (Plug-in side)



Technical data

General values

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

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
EMC compliance	unshielded
Degree of protection	IP67
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
Locking material	Zinc die-cast nickel-plated
REACH SVHC	Keine (No pollutants)

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## Technical data

### Cable data

Cable length	2 m
Sheath material	PUR
Single-lead insulation	PP9Y halogen-free
Halogen free	Yes
Single-lead structure	43x0,1 mm
Cable diameter	4.3 mm
Cable color	black
Conductor resistance	60
Temperature range, moving cable, °C from -25°C	
Temperature range, moving cable, °C to +80°C	
Temperature range, fixed cable, °C from -50°C	
Temperature range, fixed cable, °C to +80°C	
Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 10 x Ø
UL style 1	AWM20549

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## Security notices

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.

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. 60 cNm).