

# Product data sheet

## Automation technology - sensors and actuators

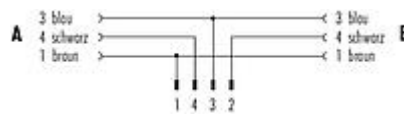


Product description	Connecting Cables Connecting cable, Contacts: 4/3, unshielded, moulded on cable, IP67, PUR black, 3 x 0.14 mm <sup>2</sup> , 1 m
Area	Connecting Cables series 765
Part no.	77 9805 3406 50003-0100

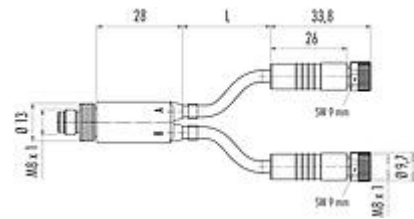
### Illustration



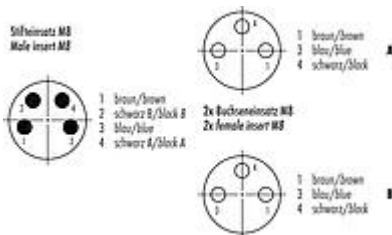
### Pin assignment plans



### Scale drawing



### Contact arrangement (Plug-in side)



## Technical data

### General features

Part no.	<b>77 9805 3406 50003-0100</b>
Notice	Alternative part no.: 79 5203 10 04 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	Connecting cable
Cable length	1 m
Version	Connection cable
Connector locking system	screw
Termination	moulded on cable
Degree of protection	IP67
Cross-sectional area	0.14 mm <sup>2</sup> / AWG 26

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Temperature range from/to	-25 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	42.00
Customs tariff number	85444290

### Electrical parameters

Rated voltage	30 V
Rated impulse voltage	800 V
Rated current (40 °C)	2.0 A
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	unshielded

### Material

Housing material	PUR
Contact body material	PUR
Contact material	CuZn (brass) / CuSn (bronze)
Contact plating	Au (gold)
Locking material	Zinc die-cast nickel-plated
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	e4e88e63-6ba5-41ef-aea0-6b1e92bc607d

### Classifications

eCl@ss 11.1	27-06-03-11
ETIM 7.0	EC001855

### Declarations of conformity

RoHS Directive	2011/65/EU (EN 50581:2012)
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### Cable data - Structure of the cable

Cable diameter	3.1 mm
Cross section	3 x 0.14 mm <sup>2</sup>
Sheath material	PUR
Single-lead insulation	PVC
Single-lead structure	18 x 0.10 mm
Cable color	black

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#### Cable data - Electrical properties

Conductor resistance	148 Ω/Km (20°C)
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#### Cable data - Mechanical properties

Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 12 x Ø
Bending cycles	> 1 million
Permitted acceleration	2 m/s <sup>2</sup>
Travel distance, horizontal	2 m/s <sup>2</sup> -> 3 m
Travel speed	at 5 m horizontal path.-> 50 m/min

#### Cable data - Thermal properties

Temperature range cable in move from/to	-5 °C / 80 °C
Temperature range cable fixed from/to	-25 °C / 80 °C

#### Cable data - Other features

Halogen free	no
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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 IP67 and IP68 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).