

# Product data sheet

## Automation technology - sensors and actuators

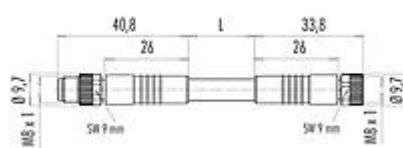


Product description	M8 connection cable male cable connector - female cable connector, Contacts: 3, unshielded, moulded cable, IP67/IP69K, UL, PUR black, 3 x 0.34 mm <sup>2</sup> , 0,3 m
Area	M8 series 718
Part no.	77 3406 3405 50003-0030

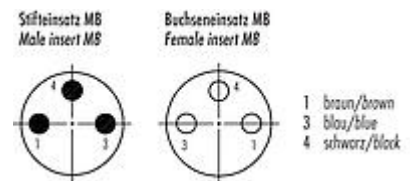
### Illustration



### Scale drawing



### Contact arrangement (Plug-in side)



## Technical data

### General features

Part no.	77 3406 3405 50003-0030
Connector design	connection cable male cable connector - female cable connector
Cable length	0,3 m
Version	connecting cable
Connector locking system	screw
Termination	moulded cable
Degree of protection	IP67/IP69K
Cross-sectional area	0.34 mm <sup>2</sup> / AWG 22
Temperature range from/to	-25 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	37
Customs tariff number	85444290

### Electrical parameters

Rated voltage	60 V
Rated impulse voltage	800 V
Rated current (40 °C)	4,0 A
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	unshielded

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### 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	a7b10aff-549a-40d3-bbdc-5b579eb8f1bd

### Authorization/approvals

Approvals	UL
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### Classifications

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

### Declarations of conformity

Low Voltage Directive	2014/35/EU (EN 60529:1991;EN 60204-1:2018)
RoHS Directive	2011/65/EU (EN 50581:2012)

### Cable data - Structure of the cable

Cable diameter	4.3 mm
Cross section	3 x 0.34 mm <sup>2</sup>
Sheath material	PUR
Single-lead insulation	PP9Y halogen-free
Single-lead structure	43 x 0.10 mm
Cable color	black

### Cable data - Electrical properties

Conductor resistance	60 Ω/Km (20°C)
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### Cable data - Mechanical properties

Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 10 x Ø
Bending cycles	>5 million
Permitted acceleration	≥ 5 m/s <sup>2</sup>
Travel distance, horizontal	≥ 5 m
Travel distance, vertical	≥ 5 m

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Travel speed  $\leq 200$  m/min

### Cable data - Thermal properties

Temperature range cable in move from/to  $-25$  °C /  $90$  °C

Temperature range cable fixed from/to  $-50$  °C /  $90$  °C

### Cable data - Other features

Halogen free Yes

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### **General Disclaim Notice**

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).