Product data sheet

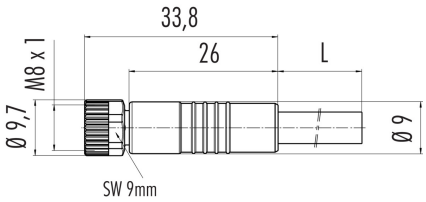
Automation technology - sensors and actuators

Product description	**M8 female cable connector, Contacts: 6, unshielded, moulded cable, IP67/IP69K, UL listed, PUR black, 6 x 0.25 mm², 5 m**
Area	**M8 series 718**
Part no.	**77 3406 0000 50006-0500**

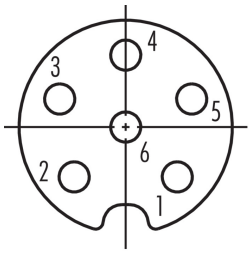
Illustration



Scale drawing



Contact arrangement (Plug-in side)



1 brown
2 white
3 blue
4 black
5 grey
6 pink

Technical data

General features

Part no.	77 3406 0000 50006-0500 Alternative part no.: 79 3464 55 06
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
Cable length	5 m
Version	connector female straight
Connector locking system	screw
Termination	moulded cable
Degree of protection	IP67/IP69K
Cross-sectional area	0.25 mm² / AWG 24
Temperature range from/to	-25 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	173.51
Customs tariff number	85444290

Electrical parameters

Rated voltage	30 V
Rated impulse voltage	800 V
Rated current (40 °C)	1,5 A
Pollution degree	3
Overvoltage category	II

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Insulating material group	II
EMC compliance	unshielded

Material

Housing material	PUR
Contact body material	PUR
Contact material	CuZn (brass)
Contact plating	Au (gold)
Locking material	Zinc die-cast nickel-plated
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	bb5e7bb6-f87b-4911-81a4-2efaff1972a6

Authorization/approvals

Approvals	UL listed

Classifications

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

Declarations of conformity

RoHS Directive	2011/65/EU (EN 50581:2012)

Cable data - Structure of the cable

Cable diameter	5.0 mm
Cross section	6 x 0.25 mm²
Sheath material	PUR
Single-lead insulation	PP9Y halogen-free
Single-lead structure	32 x 0.10 mm
Cable color	black

Cable data - Electrical properties

Conductor resistance	79 Ω/Km (20°C)

Cable data - Mechanical properties

Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 10 x Ø
Bending cycles	>2 million
Permitted acceleration	5 m/s² + 1 m/s²

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Travel distance, horizontal	5 m/s² -> 5 m
Travel distance, vertical	5 m/s² -> 2 m
Travel speed	≤ 200 m/min (5 m horizontal distance)

Cable data - Thermal properties

Temperature range cable in move from/to	-25 °C / 80 °C
Temperature range cable fixed from/to	-50 °C / 80 °C

Cable data - Other features

Halogen free	Yes

Product data sheet

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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 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).

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