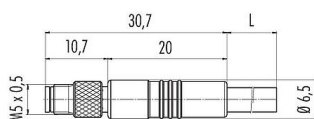


Product description	M5 Male cable connector, Contacts: 4, unshielded, moulded on the cable, IP67, UL, M5x0.5, PUR, black, 4 x 0.14 mm², 5 m
Area	M5
Part no.	77 3459 0000 40004-0500

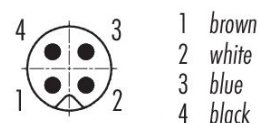
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	77 3459 0000 40004-0500
	Alternative part no.: 79 3107 55 04
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	Male cable connector
Type standard	DIN EN 61076-2-105
Cable length	5 m (Standard 2 m and 5 m. Other lengths are available on request.)
Version	Connector pin straight
Connector locking system	screw
Termination	moulded on the cable
Degree of protection	IP67
Cross-sectional area	0.14 mm ² / AWG 26
Temperature range from/to	-25 °C / 80 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	125.00
Customs tariff number	85444290
Country of Origin	DE

Electrical parameters

Rated voltage	60 V
Rated impulse voltage	800 V
Rated current	1.0 A
Insulation resistance	> 10 ⁸ Ω
Pollution degree	3
Overvoltage category	II
Insulating material group	I
EMC compliance	unshielded

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Material

Housing material	PUR
Contact body material	PUR
Contact material	CuZn (brass)
Contact plating	Au (gold)
Locking material	CuZn (brass)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	c243fc9b-f458-4b58-8840-1748c3493797

Authorization/approvals

Approvals	UL
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Classifications

eCl@ss 11.1	27-06-03-11
ETIM 9.0	EC002638

Declarations of conformity

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

Cable data - Structure of the cable

Cable diameter	3.5 mm
Cross section	4 x 0.14 mm ²
Sheath material	PUR
Single-lead insulation	PUR
Single-lead structure	18 x 0.10 mm
Cable color	black

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	≥ 10 x Ø
Bending cycles	> 2 million
Permitted acceleration	5 m/s ² + 1 m/s ²
Travel distance, horizontal	5 m/s ² -> 5 m
Travel distance, vertical	5 m/s ² -> 5 m
Travel speed	at 5 m horizontal path -> 200 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

Product data sheet
Automation technology - Sensors and actuators



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Cable data - Other features

Halogen free	yes
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Area	M5
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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).