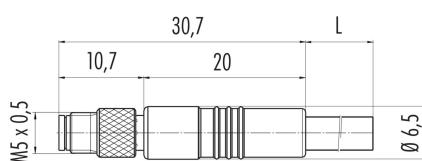


Product description	M5 male cable connector, Contacts: 3, unshielded, moulded cable, IP67, UL, M5x0.5, PUR black, 3 x 0.14 mm ²
Area	M5 series 707
Part no.	77 3459 0000 40003-0200

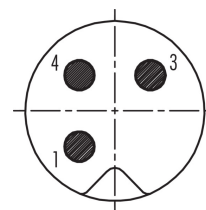
Illustration



Scale drawing



Contact arrangement (Plug-in side)



- 1 brown
- 2 not assembled
- 3 blue
- 4 black

Technical data

General features

Part no.	77 3459 0000 40003-0200 Alternative part no.: 79 3101 52 03
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
Cable length	2 m
Version	connector male straight
Connector locking system	screw
Termination	moulded 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)	30
Customs tariff number	85444290

Electrical parameters

Rated voltage	60 V
Rated impulse voltage	800 V
Rated current (40 °C)	1 A
Insulation resistance	> 10 ⁸ Ω
Pollution degree	3
Overvoltage category	II

Product data sheet

Automation technology - sensors and actuators



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Insulating material group	I
EMC compliance	unshielded

Material

Housing material	PUR
Contact body material	PUR
Contact material	CuZn (brass)
Contact plating	Au (gold)
Locking material	CuZn (Brass nickel plated)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	1c5372ff-450a-4a7e-8588-9f3bc64b7bde

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

Cable data - Structure of the cable

Cable diameter	3.1 mm
Cross section	3 x 0.14 mm ²
Sheath material	PUR
Single-lead insulation	PUR
Single-lead structure	18x0.1 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	≥ 12 x Ø
Bending cycles	>1 million

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Permitted acceleration	2 m/s ²
Travel distance, horizontal	2 m/s ² -> 3 m
Travel speed	at 5m 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	Yes
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Product description	M5 male cable connector, Contacts: 3, unshielded, moulded cable, IP67, UL, M5x0.5, PUR black, 3 x 0.14 mm²
Area	M5 series 707
Part no.	77 3459 0000 40003-0200

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).