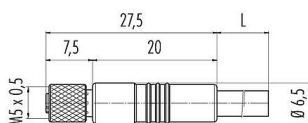


Product description	<b>M5 Female cable connector, Contacts: 3, unshielded, moulded on the cable, IP67, UL, M5x0.5, PUR, black, 3 x 0.25 mm<sup>2</sup>, 5 m</b>
Area	<b>M5</b>
Part no.	<b>77 3450 0000 50003-0500</b>

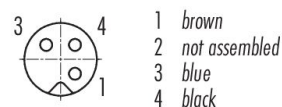
### Illustration



### Scale drawing



### Contact arrangement (Plug-in side)



## Technical data

### General features

Part no.	<b>77 3450 0000 50003-0500</b>
	Alternative part no.: 79 3102 35 03
Connector design	Female 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 socket straight
Connector locking system	screw
Termination	moulded on the cable
Degree of protection	IP67
Cross-sectional area	0.25 mm <sup>2</sup> / AWG 24
Temperature range from/to	-25 °C / 80 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	20.00
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 <sup>8</sup> 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	CuSn (bronze)
Contact plating	Au (gold)
Locking material	CuZn (brass)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	df5076cf-7022-4cd0-adc4-488886bc24e7

## Authorization/approvals

Approvals	UL
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## Classifications

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

## Cable data - Structure of the cable

Cable diameter	3.7 mm
Cross section	3 x 0.25 mm <sup>2</sup>
Sheath material	PUR
Single-lead insulation	PVC
Single-lead structure	32 x 0.10 mm
Cable color	black

## Cable data - Electrical properties

Conductor resistance	79 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

## 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	<b>M5 Female cable connector, Contacts: 3, unshielded, moulded on the cable, IP67, UL, M5x0.5, PUR, black, 3 x 0.25 mm<sup>2</sup>, 5 m</b>
Area	<b>M5</b>
Part no.	<b>77 3450 0000 50003-0500</b>

### 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).