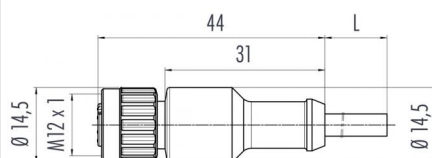


Product description	M12-A female cable connector, Contacts: 4, unshielded, moulded on cable, IP68, UL listed, PUR black, 4 x 0.34 mm ²
Area	M12-A series 763
Order number	77 3420 0000 50004-0500

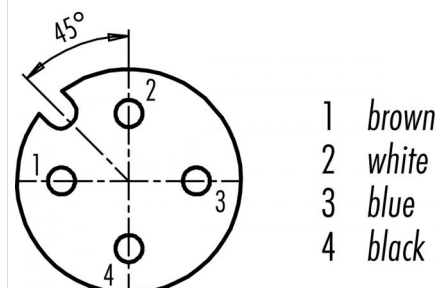
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Order number	77 3420 0000
Connector design	50004-0500
Cable length	female cable connector
Version	5 m
Connector locking system	connector female
Termination	straight
Degree of protection	screw
Cross-sectional area	moulded on cable
Temperature range from/to	IP68
Mechanical operation	0.34 mm ² / AWG 22
Customs tariff number	-25 °C / 85 °C
	> 100 Mating cycles
	85444290

Electrical parameters

Rated voltage	250 V
Rated impulse voltage	250 V
Rated current (40 °C)	4 A (3 A UL)
Insulation resistance	≥ 10 ⁹ Ω
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	unshielded

Material

Housing material	PUR
Contact body material	PUR black
Contact material	CuSn (bronze)
Contact plating	Au (gold)
Locking material	PA
REACH SVHC	Keine (No pollutants)

Authorization/approvals

Approval 1	UL listed
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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

Cable diameter	4.7 mm
Cross section	4 x 0.34 mm ²
Sheath material	PUR
Single-lead insulation	PP9Y halogenfrei
Single-lead structure	43x0,1 mm
Cable color	black
Conductor resistance	60
Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 10 x Ø
Bending cycles	>5Mio.
Permitted acceleration	≥ 5 m/s ²
Travel distance, horizontal	≥ 5 m
Travel distance, vertical	≥ 5 m
Travel speed	≤ 3.33 m/s
Temperature range cable in move from/to	-25°C / +80°C
Temperature range cable fixed from/to	-50°C / +80°C
Halogen free	Yes

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Security notices

The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.

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. 60 cNm).