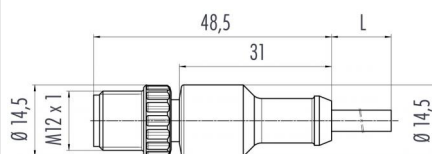


Product description	M12-A male cable connector, Contacts: 4, unshielded, moulded on cable, IP68, UL listed, PUR black, 4 x 0.34 mm <sup>2</sup>
Area	M12-A series 763
Order number	77 3419 0000 50004-0200

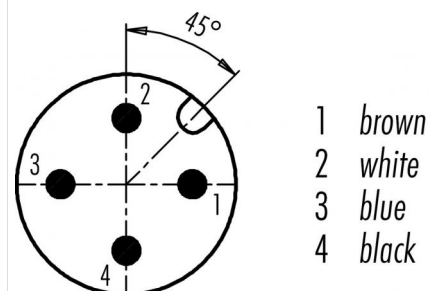
## Illustration



## Scale drawing



## Contact arrangement (Plug-in side)



## Technical data

## General features

Order number	77 3419 0000 50004-0200
Connector design	male cable connector
Cable length	2 m
Version	connector male straight
Connector locking system	screw
Termination	moulded on cable
Degree of protection	IP68
Cross-sectional area	0.34 mm <sup>2</sup> / AWG 22
Temperature range from/to	-25 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Customs tariff number	85444290

## Electrical parameters

Rated voltage	250 V
Rated impulse voltage	2500 V
Rated current (40 °C)	2 A (0.14mm <sup>2</sup> ) / 4 A
Insulation resistance	≥ 10 <sup>8</sup> 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	CuZn (brass)
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 <sup>2</sup>
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 <sup>2</sup>
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

Product description	M12-A male cable connector, Contacts: 4, unshielded, moulded on cable, IP68, UL listed, PUR black, 4 x 0.34 mm <sup>2</sup>
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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).