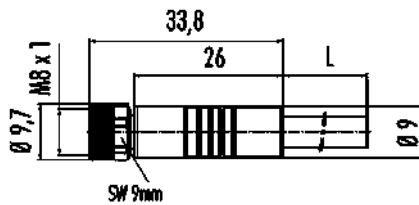


Product description	Female cable connector, Contacts: 12, unshielded, moulded on the cable, IP67, UL, PUR, black, 12 x 0.09 mm ² , 2 m
Area	series 718
Part no.	77 3406 0000 50012-0200

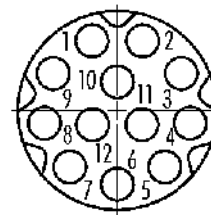
Illustration



Scale drawing



Contact arrangement (Plug-in side)



- 1 brown
- 2 blue
- 3 white
- 4 green
- 5 pink
- 6 yellow
- 7 black
- 8 grey
- 9 red
- 10 purple
- 11 grey-pink
- 12 red-blue

Technical data

General features

Part no.	77 3406 0000 50012-0200
	Alternative part no.: 79 3808 52 12
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	Female cable connector
Cable length	2 m
Version	Connector socket straight
Connector locking system	screw
Termination	moulded on the cable
Degree of protection	IP67
Cross-sectional area	0.09 mm ² / AWG 28
Temperature range from/to	-25 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	69
Customs tariff number	85444290

Electrical parameters

Rated voltage	30 V
Rated impulse voltage	500 V
Rated current (40 °C)	1.0 A
Pollution degree	2
Overvoltage category	II
Insulating material group	I

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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	Zinc die-cast nickel-plated
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	ac13857d-9c1d-45ad-bc35-31a2cfc767bf

Authorization/approvals

Approvals	UL
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Classifications

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

Declarations of conformity

RoHS Directive	2011/65/EU (EN 50581:2012)
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Cable data - Structure of the cable

Cable diameter	4.8 mm
Cross section	12 x 0.09 mm ²
Sheath material	PUR
Single-lead insulation	PP
Single-lead structure	19 x 0.078 mm
Cable color	black

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
Travel distance, horizontal	5 m
Travel distance, vertical	2 m
Travel speed	≤ 200 m/min (5 m horizontal distance)

Cable data - Thermal properties

Temperature range cable in move from/to	-25 °C / 90 °C
Temperature range cable fixed from/to	-40 °C / 90 °C

Cable data - Other features

Halogen free	yes
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Product description	Female cable connector, Contacts: 12, unshielded, moulded on the cable, IP67, UL, PUR, black, 12 x 0.09 mm², 2 m
-	-
Area	series 718
Part no.	77 3406 0000 50012-0200

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 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).