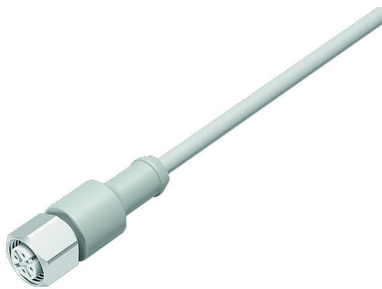
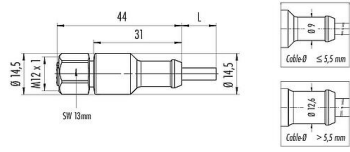


Product description	M12 Female cable connector, Contacts: 3, unshielded, moulded on the cable, IP69K, Ecolab, FDA compliant, Special TPE, grey, 3 x 0.34 mm², stainless steel, 2 m
Area	M12-A
Part no.	77 3730 0000 40403-0200

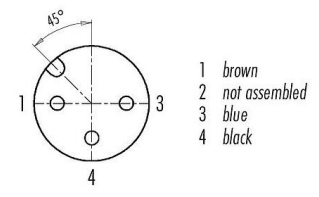
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	77 3730 0000 40403-0200
Connector design	Female cable connector
Type standard	DIN EN 61076-2-101
Cable length	2 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	IP69K IP67
Cross-sectional area	0.34 mm ² / AWG 22
Temperature range from/to	-40 °C / 105 °C
Mechanical operation	> 100 Mating cycles
Additional information	stainless steel
Weight (g)	54.00
Customs tariff number	85444290
Country of Origin	DE

Electrical parameters

Rated voltage	250 V
Rated impulse voltage	2500 V
Rated current	4.0 A
Insulation resistance	≥ 10 ¹⁰ Ω
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	unshielded

Product data sheet

Automation technology - Sensors and actuators



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Material

Housing material	PP
Contact body material	PP
Contact material	CuZn (brass)
Contact plating	Au (gold)
Locking material	Stainless steel
REACH SVHC	None (No pollutants)
SCIP number	SCIP-number not available

Authorization/approvals

Approvals	Ecolab, FDA compliant
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Classifications

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

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 - Structure of the cable

Cable diameter	4.5 mm
Cross section	3 x 0.34 mm ²
Sheath material	Special TPE
Single-lead insulation	PVC
Single-lead structure	42 x 0.10 mm
Cable color	grey

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	-5 °C / 105 °C
Temperature range cable fixed from/to	-40 °C / 105 °C

Cable data - Other features

Halogen free	no
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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.

Connectors which are used in circuits with voltages dangerous to the touch may only be installed and used by, or under the supervision of, persons with electrical engineering training, taking into account the applicable regulations and standards.

To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 60 cNm).

The protection class specification applies on condition that the four mounting holes are made as blind holes.