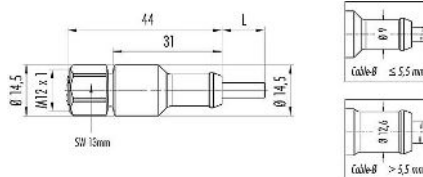


Product description	M12 Female cable connector, Contacts: 5, unshielded, moulded on the cable, IP69K, UL, Ecolab, PVC, grey, 5 x 0.34 mm ² , stainless steel, 5 m
-	-
Area	M12-A series 763
Part no.	77 3730 0000 20405-0500

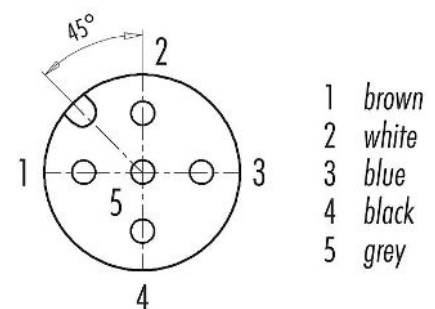
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	77 3730 0000 20405-0500
Connector design	Female cable connector
Type standard	DIN EN 61076-2-101
Cable length	5 m
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)	308
Customs tariff number	85444290
Country of Origin	DE

Electrical parameters

Rated voltage	60 V
Rated impulse voltage	1500 V
Rated current	4.0 A
Insulation resistance	$\geq 10^{10} \Omega$
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	unshielded

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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	UL, Ecolab
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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	5.2 mm
Cross section	5 x 0.34 mm ²
Sheath material	PVC
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 + 1 m/s ²
Travel distance, horizontal	5 m/s ² -> 5 m
Travel distance, vertical	5 m/s ² -> 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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-	-
Area	M12-A series 763
Part no.	77 3730 0000 20405-0500

General Disclaim Notice

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.

The user must take suitable safety precautions to ensure that the connector cannot be accidentally disconnected.

Plug connectors with enclosure protection IP67 and IP68 are not suitable for use under water. 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).