Product data sheet Automation technology - sensors and actuators



Product description

M12-A connection cable male cable connector - female cable connector, Contacts: 5, unshielded, moulded cable, IP68, UL, PVC grey, 5 x 0.34 mm², 1 m

Area Part no. M12-A series 763 77 3430 3429 20005-0100

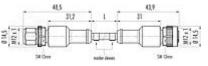
Illustration

Scale drawing

48,5 43,9 \$1,2 31 0.02

Contact arrangement (Plug-in side)







Buchseneinsatz M12 Female insert M12



2 weiß/white 3 blou/blue schworz/block 5 grau/grey

Technical data

General features

Part no.	77 3430 3429 20005-0100
Connector design	connection cable male cable connector - female cable connector
Cable length	1 m
Version	connecting cable
Connector locking system	screw
Termination	moulded cable
Degree of protection	IP68
Cross-sectional area	0.34 mm² / AWG 22
Temperature range from/to	-25 °C / 90 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	106.00
Customs tariff number	85444290

Electrical parameters

Rated voltage	250 V
Rated impulse voltage	2500 V
Rated current (40 °C)	4,0 A
Pollution degree	3
Overvoltage category	Ш
Insulating material group	II
EMC compliance	unshielded



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Material

Contact material CuZn (bra	rass)
Contact plating Au (gold)	d)
REACH SVHC None (No	lo pollutants)
SCIP number SCIP-num	mber not available

Authorization/approvals

Approvals

UL

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	max. 5 m/s ² + 1 m/s ²
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



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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 IP 67 and IP 68 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).

