

Product data sheet

Automation technology - sensors and actuators

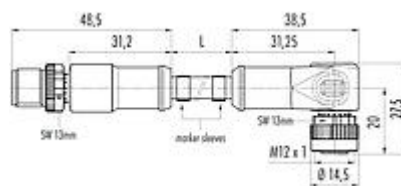


Product description	M12-A connection cable male cable connector - female angled connector, Contacts: 8, unshielded, moulded cable, IP68/IP69K, UL, PVC grey, 8 x 0.25 mm ² , 0,6 m
Area	M12-A series 763
Part no.	77 3434 3429 20708-0060

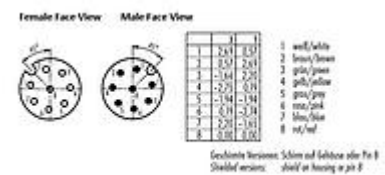
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	77 3434 3429 20708-0060
Connector design	connection cable male cable connector - female angled connector
Cable length	0,6 m
Version	connecting cable
Connector locking system	screw
Termination	moulded cable
Degree of protection	IP68/IP69K
Cross-sectional area	0.25 mm ² / AWG 24
Temperature range from/to	-25 °C / 90 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	130.0
Customs tariff number	85444290

Electrical parameters

Rated voltage	30 V
Rated impulse voltage	800 V
Rated current (40 °C)	2,0 A
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	unshielded

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Material

Contact body material	PUR
Contact material	CuZn (brass) / CuSn (bronze)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	89c75468-7568-4488-9521-83eaedd45a24

Authorization/approvals

Approvals	UL
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Cable data - Structure of the cable

Cable diameter	6.0 mm
Cross section	8 x 0.25 mm ²
Sheath material	PVC
Single-lead insulation	PVC
Single-lead structure	32 x 0.10 mm
Cable color	grey

Cable data - Mechanical properties

Bending radius, fixed cable	$\geq 5 \times \varnothing$
Bending radius, moving cable	$\geq 10 \times \varnothing$
Bending cycles	>2 million
Permitted acceleration	max. 5 m/s ² + 1 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

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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).