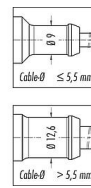
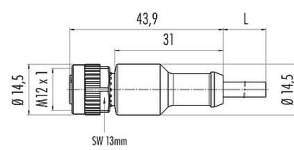


Product description	M12 Female cable connector, Contacts: 8, unshielded, moulded on the cable, IP69K, UL, PUR, black, 8 x 0.25 mm ² , 2 m
Area	M12-A series 763
Part no.	77 3430 0000 50708-0200

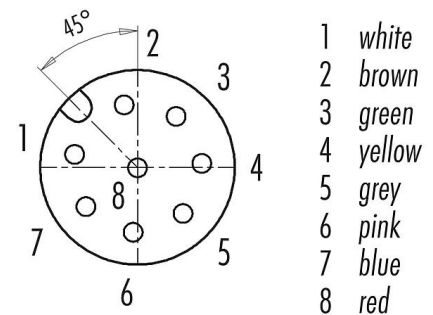
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	77 3430 0000 50708-0200
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
Cross-sectional area	0.25 mm ² / AWG 24
Temperature range from/to	-25 °C / 90 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	203
Customs tariff number	85444290
Country of Origin	DE

Electrical parameters

Rated voltage	60 V
Rated voltage UL	2457
Rated impulse voltage	800 V
Rated current	2.0 A
Insulation resistance	≥ 10 ¹⁰ Ω
Pollution degree	3
Insulating material group	II
EMC compliance	unshielded

Material

Housing material	PUR
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-	-
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Contact body material	PUR
Contact material	CuSn (bronze)
Contact plating	Au (gold)
Locking material	Zinc die-cast nickel-plated
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	d22eb1f0-b95d-4e04-a2a6-62412e905e9b

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	6.0 mm
Cross section	8 x 0.25 mm ²
Sheath material	PUR
Single-lead insulation	PP9Y halogen-free
Single-lead structure	32 x 0.10 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/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	-25 °C / 80 °C
Temperature range cable fixed from/to	-50 °C / 80 °C

Cable data - Other features

Halogen free	yes
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-	-
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Part no.	77 3430 0000 50708-0200

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.

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).