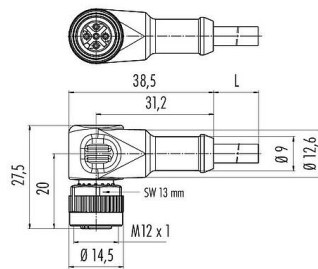


Product description	M12 Female angled connector, Contacts: 5, unshielded, moulded on the cable, IP68, UL, PVC, grey, 5 x 0.34 mm², 5 m
Area	M12-B
Part no.	77 4434 0000 20005-0500

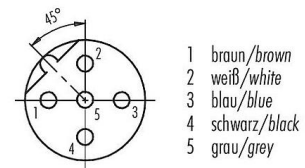
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	77 4434 0000 20005-0500
Connector design	Female angled connector
Type standard	DIN EN 61076-2-101
Cable length	5 m (Standard 2 m and 5 m. Other lengths are available on request.)
Version	Connector socket angled
Connector locking system	screw
Termination	moulded on the cable
Degree of protection	IP68
Cross-sectional area	0.34 mm ² / AWG 22
Temperature range from/to	-25 °C / 90 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	97.00
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	> 10 ⁸ Ω
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	unshielded

Product data sheet

Automation technology - Data transmission



Product description	M12 Female angled connector, Contacts: 5, unshielded, moulded on the cable, IP68, UL, PVC, grey, 5 x 0.34 mm ² , 5 m
Area	M12-B
Part no.	77 4434 0000 20005-0500

Material

Housing material	PUR
Contact body material	PUR
Contact material	CuSn (bronze)
Contact plating	Au (gold)
Locking material	Zinc die-cast nickel-plated
REACH SVHC	None (No pollutants)
SCIP number	SCIP-number not available

Authorization/approvals

Approvals	UL
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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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Product description	M12 Female angled connector, Contacts: 5, unshielded, moulded on the cable, IP68, UL, PVC, grey, 5 x 0.34 mm², 5 m
Area	M12-B
Part no.	77 4434 0000 20005-0500

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.

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.