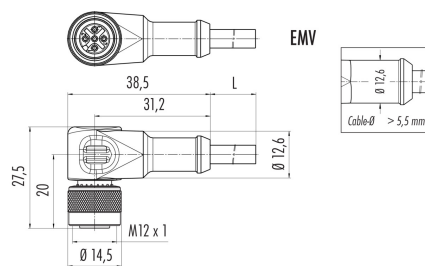


Product description	M12-A female angled connector, Contacts: 8, shielded, moulded on cable, IP67, UL listed, PVC grey, 8 x 0.25 mm ²
Area	M12-A series 763
Order number	77 3534 0000 20708-0200

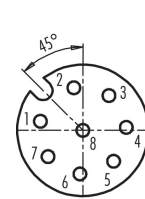
Illustration



Scale drawing



Contact arrangement (Plug-in side)



- 1 white
- 2 brown
- 3 green
- 4 yellow
- 5 grey
- 6 pink
- 7 blue
- 8 red

Shielded versions: shield = housing

Technical data

General features

Order number	77 3534 0000 20708-0200
Connector design	female angled connector
Cable length	2 m
Version	connector female angled
Connector locking system	screw
Termination	moulded on cable
Degree of protection	IP67
Cross-sectional area	0.25 mm ² / AWG 24
Temperature range from/to	-25 °C / 90 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	166
Customs tariff number	85444290

Electrical parameters

Rated voltage	60 V
Rated voltage UL	30
Rated impulse voltage	800 V
Rated current (40 °C)	2 A
Insulation resistance	≥ 10 ¹⁰ Ω
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	shielded
Shield connection	Shield on the threaded ring

Product data sheet

Automation technology - sensors and actuators



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Material

Housing material	PUR
Contact body material	PUR
Contact material	CuSn (bronze)
Contact plating	Au (gold)
Locking material	CuZn (Brass nickel plated)
REACH SVHC	CAS 7439-92-1 (Lead)

Authorization/approvals

Approvals	UL listed
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Classifications

eCl@ss 11.1	27-06-03-11
ETIM 7.0	EC001855

Declarations of conformity

RoHS Directive	2011/65/EU (EN 50581:2012)
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Cable data - Structure of the cable

Cable diameter	6.8 mm
Cross section	8 x 0.25 mm ²
Sheath material	PVC
Single-lead insulation	PVC
Single-lead structure	32x0,1 mm
Cable color	grey

Cable data - Electrical properties

Conductor resistance	75 Ω/Km (20°C)
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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 distance, horizontal	5 m/sec ² -> 5 m
Travel distance, vertical	5 m/sec ² -> 2 m
Travel speed	≤ 200 m/min (5 m horizontal distance)



Product data sheet

Automation technology - sensors and actuators



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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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Security notices

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 IP 67 and IP 68 are not suitable for use under water. When used outdoors, the plug connectors must be protected separately against corrosion. 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).