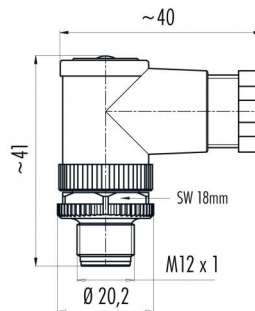


Product description	M12-A male angled connector, Contacts: 12, 6.0 - 8.0 mm, not shielded, solder, IP67, UL
Area	M12-A series 713
Order number	99 0491 52 12

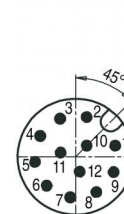
Illustration



Scale drawing



Contact arrangement (Plug-in side)



	X	Y
1	2,80	0,78
2	0,78	2,80
3	-1,09	2,69
4	-2,51	1,46
5	-2,88	-0,37
6	-2,05	-2,05
7	-0,37	-2,88
8	1,46	-2,51
9	2,69	-1,09
10	0,78	0,78
11	-1,06	0,29
12	0,29	-1,06

You can find the component part drawing and assembly instructions on the next page.

Technical data

General values

Connector design	male angled connector
Connector locking system	screw
Termination	solder
Wire gauge (mm)	max. 0.25 mm ²
Wire gauge (AWG)	max. 24
Cable outlet	6.0 - 8.0 mm
Upper limit temperature	85 °C
Lower limit temperature	- 40 °C
Customs tariff number	85369010
Packaging Unit	100

Cable data

Approval 1	UL
------------	----

Electrical values

Rated current (40 °C)	1.5 A (2 A UL)
Rated voltage	30 V
Rated impulse voltage	500 V
Pollution degree	3
Overvoltage category	II
Insulating material group	III
Insulation resistance	> 10 ⁸ Ω
EMC compliance	not shielded
Degree of protection	IP67
Mechanical operation	> 100 Mating cycles

Material

Contact material	CuZn (brass)
Contact plating	Au (gold)
Contact body material	PA
Housing material	PA
REACH SVHC	CAS 96-45-7 (Imidazolidine-2-thione) CAS 7439-92-1 (Lead)

Product description	M12-A male angled connector, Contacts: 12, 6.0 - 8.0 mm, not shielded, solder, IP67, UL
Area	M12-A series 713
Order number	99 0491 52 12

Component part drawing

Buchseneinsatz

Steckereinsatz

Material der Gewinderinge:
Kunststoff, Zink Druckguss, Edelstahl

Winkelgehäuse

Dichtung

Klemmkorb

Druckschraube

Assembly instructions / Panel cut-out

20

A

Öffnungswerkzeug für Käfigzugfederversion

	Schraubklemmversion	Lötversion	Käfigzugfederversion
Maß A/mm	5	3,5	7

Material der Gewinderinge: Kunststoff, Zink Druckguss, Edelstahl

Product description	M12-A male angled connector, Contacts: 12, 6.0 - 8.0 mm, not shielded, solder, IP67, UL
Area	M12-A series 713
Order number	99 0491 52 12

Security notices

The connectors are designed for use in plant, control system and electrical equipment. The end user is responsible for checking whether the connectors are suitable for use in other applications.

Connectors with degree of protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the connectors must be separately protected against corrosion. For further information about IP degrees of protection refer to 'Technical support' in the Download Centre.

To lock the cable connector to the equipment connector, the threaded ring is tightened until it is 'finger-tight' (approx. 50 cNm).