Product sheet
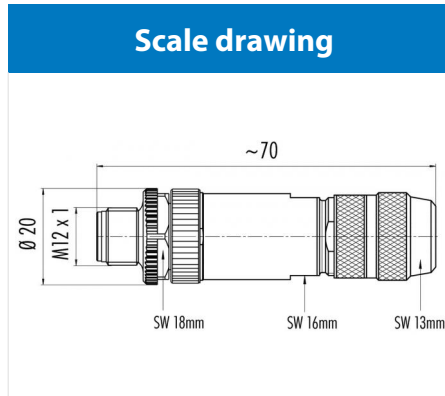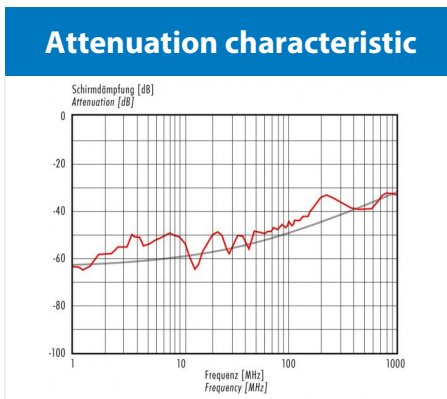## Automation technology

binder

Product	**Contacts 8: Cable plug connector, shieldable, screw terminal connection, iris type spring, with UL approval**	Area	**M12-A Series 713**
		Article number	**99 1489 812 08**
Pole	**8**		

Illustration

Scale drawing

~70
Ø 20
M12 x 1
SW 18mm   SW 16mm   SW 13mm

Contact Arrangement

45°

	X	Y
1	2,69	0,57
2	0,57	2,69
3	−1,66	2,20
4	−2,75	0,19
5	−1,94	−1,94
6	0,19	−2,74
7	2,20	−1,65
8	0,00	0,00

Attenuation characteristic

Schirmdämpfung [dB]
Attenuation [dB]
Frequenz [MHz]
Frequency [MHz]

You can find the item description and assembly instruction on the next page.

Technical data

Common values

Connector Design	Cable plug connector
Connector locking system	screw
Termination	Screwing
Wire gauge (mm)	0.50 mm^2
Wire gauge (AWG)	20
Cable outlet	8 - 9 mm
Upper temperature	85 °C
Lower temperature	-40 °C

Electrical values

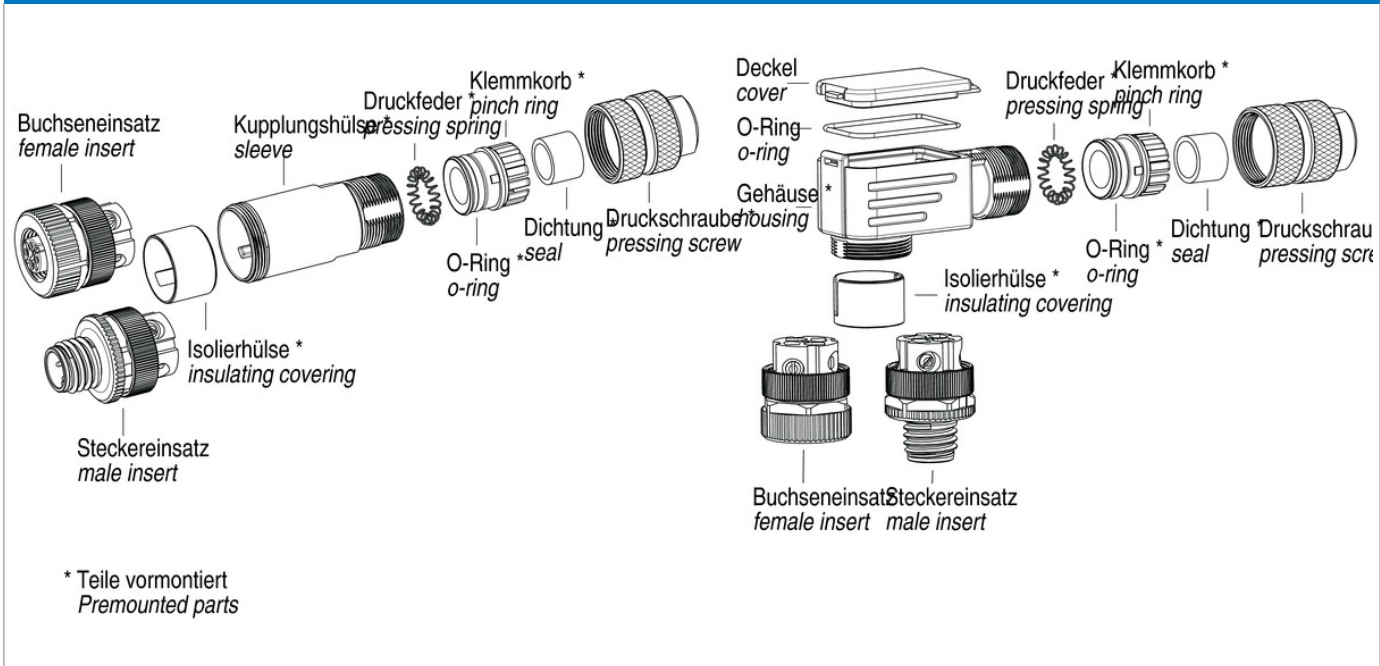|	
Rated voltage	60 V
Rated impulse voltage	800 V
Pollution degree	3
Overvoltage category	II
Material group	II
Rated current (40°C)	2 A
Volume resistivity	≤ 3 mΩ
EMV compliance	nicht geschirmt
Degree of protection	IP67
Mechanical operation	> 100 mating cycles

Material

Material of contact	CuZn (Brass)
Contact plating	Au (Gold)
Material of contact body	PA
Material of housing	Nickel-plated zinc die casting

Contacts 8: Cable outlet 8-9 mm, cable plug connector, shieldable, screw terminal connection, iris type spring, with die-cast threaded ring, with UL approval

Product	**Contacts 8: Cable plug connector, shieldable, screw terminal connection, iris type spring, with UL approval**	Area	**M12-A Series 713**
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Pole	**8**		

Item description

Buchseneinsatz
female insert

Kupplungshülse
sleeve

Druckfeder
pressing spring

Klemmkorb *
pinch ring

O-Ring
o-ring

Dichtung *
seal

Druckschraube
pressing screw

Isolierhülse *
insulating covering

Steckereinsatz
male insert

Deckel
cover

O-Ring
o-ring

Gehäuse *
housing

Druckfeder
pressing spring

Klemmkorb *
pinch ring

O-Ring
o-ring

Dichtung *
seal

Druckschraube
pressing screw

Isolierhülse *
insulating covering

Buchseneinsatz
female insert

Steckereinsatz
male insert

* Teile vormontiert
Premounted parts

Installation instructions / Mounting cutout

Schirmdurchmesser >5,5 mm
shielding braid diameter >5,5 mm

33 abmanteln
dismantle

A abisolieren
strip

Schirm kürzen 12
shorten shield

Festdrehen mit ≥ 100 cNm
screw down with a torque ≥ 100 cNm

Schirmdurchmesser ≤5,5 mm
shielding braid diameter ≤5,5 mm

21 abmanteln
dismantle

A abisolieren
strip

Schirm kürzen 12
shorten shield

Schirm auf Kabelmantel umschlagen und mit Kupfer-Tape umwickeln
wrap shielding braid with copper tape and revert to cable jacket

Öffnungswerkzeug für Käfigzugfederversion
opening tool for wire clamp connection

	Schraubklemmversion *screw connection*	Käfigzugfederversion *wire clamp connection*
Maß A/mm *measure A/mm*	5	7