

## Product data sheet

# Automation technology - data transmission and power supply

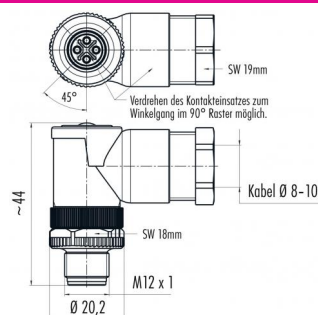


Product description	<b>M12-S male angled connector, Contacts: 3+PE, 8.0 - 10.0 mm, screw clamp, IP67, UL, VDE</b>
Area	<b>M12-S series 814</b>
Order number	<b>99 0689 58 04</b>

### Illustration



### Scale drawing



### Derating curve



You can find the assembly instructions on the next page.

## Technical data

### General values

Connector design	male angled connector
Connector locking system	screw
Termination	screw clamp
Wire gauge (mm)	max. 1.50 mm <sup>2</sup> with ferrule / max. 2.50 mm <sup>2</sup> without ferrule
Wire gauge (AWG)	max. 16 with ferrule / max. 14 without ferrule
Cable outlet	8.0 - 10.0 mm
Upper limit temperature	85 °C
Customs tariff number	85369010
Packaging Unit	50

### Cable data

Approval 1	UL
Approval 2	VDE

### Electrical values

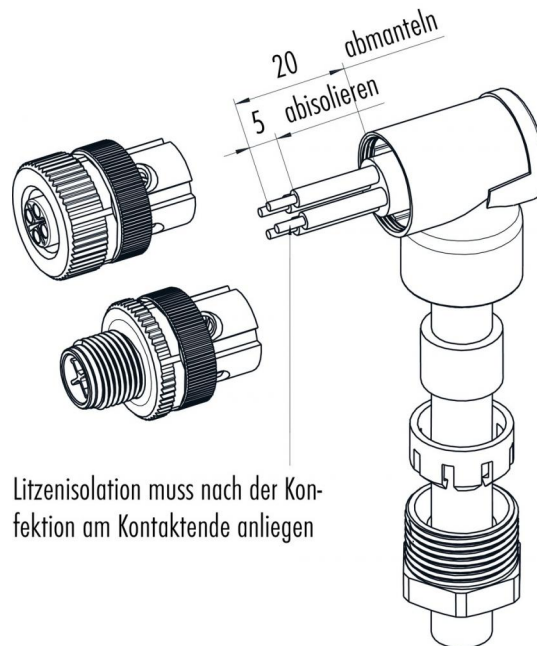
Rated current (40 °C)	12 A
Rated voltage	630 V
Rated impulse voltage	6000 V
Pollution degree	3
Overvoltage category	III
Insulating material group	II
Degree of protection	IP67
Mechanical operation	> 100 Mating cycles

### Material

Contact material	CuZn (brass)
Contact plating	Au (gold)
Contact body material	PA
Housing material	PA
REACH SVHC	CAS 7439-92-1 (Lead)

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### Assembly instructions / Panel cut-out



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## Security notices

The connector must not be connected or separated under load. Non-observance and incorrect use can result in personal injury.

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.

To prevent the connector being opened unintentionally when used in electrical circuits containing hazardous live parts, the thread between the housing and the connector head must be secured using a suitable cyanoacrylate adhesive. This does not apply to connectors used in SELV and PELV circuits according to IEC 61140 (EN 61140, VDE 0140-1).

Connectors used in electrical circuits containing hazardous live parts must only be assembled and used by or under the supervision of persons with the requisite electrotechnical training, taking the applicable regulations and standards into account.

The end user must take suitable safety measures to ensure that the connector cannot be disconnected accidentally. 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).