

Product data sheet

Subminiature connectors



Product description **Contacts: 7, cable plug connector overmoulded, shielded, cable length 2 m**

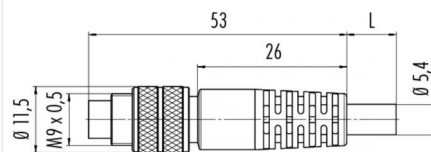
Area **M9 IP67 Series 702**

Order number **79 1421 12 07**

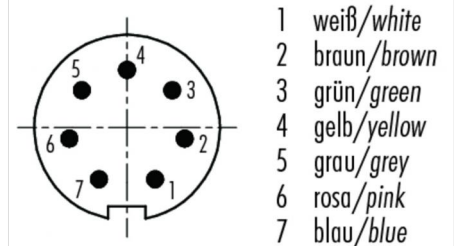
Illustration



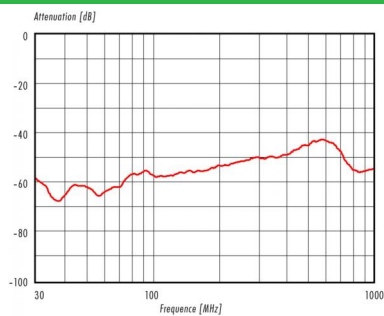
Scale drawing



Contact arrangement



Derating curve



Technical data

General values

Connector design	cable connector
Connector locking system	bolted
Termination	moulded on cable
Wire gauge (mm)	0.14 mm ²
Wire gauge (AWG)	26
Upper limit temperature	70 °C
Lower limit temperature	-25 °C
Customs tariff number	85444290

Electrical values

Rated current (40 °C)	1 A
Rated voltage	125 V
Rated impulse voltage	1500 V
Pollution degree	1
Overvoltage category	II
Insulating material group	III
Volume resistivity	≤ 3 mΩ
Insulation resistance	≥ 10 ¹⁰ Ω
EMC compliance	shielded
Degree of protection	IP67
Mechanical operation	> 500 Mating cycles

Material

Contact material	CuZn (brass)
Contact plating	Au (gold)
Contact body material	PBT (UL 94 V-0)
Housing material	PUR

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Cable data

Cable length	2 m
Sheath material	PUR
Single-lead insulation	PVC
Single-lead structure	18 x 0,10 mm
Cable diameter	5.4
Conductor resistance	75Ω/Km
Temperature range, moving cable, °C from	-5
Temperature range, moving cable, °C to	70
Temperature range, fixed cable, °C from	-25
Temperature range, fixed cable, °C to	70
Bending radius, fixed cable	Min. 53 mm
Bending radius, moving cable	Min. 80 mm

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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.

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).