Product data sheet Miniature connectors



Product description

M16 IP67 Male cable connector, Contacts: 19 (19-a), 6.0-8.0 mm, unshielded, solder, IP67

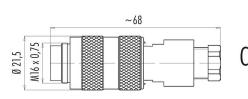
Area Part no. M16 IP67 series 723 09 0461 70 19

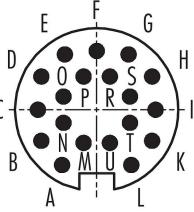
Illustration

Scale drawing

Contact arrangement (Plug-in side)







You can find the assembly instructions on the next page.

Technical data

General features

Part no.	09 0461 70 19
Connector design	Male cable connector
Version	Connector pin straight
Connector locking system	screw
Termination	solder
Degree of protection	IP67
Cross-sectional area	0.25 mm² / AWG 24
Cable outlet	6.0-8.0 mm
Temperature range from/to	-40 °C / 95 °C
Mechanical operation	> 500 Mating cycles
Weight (g)	38.02
Customs tariff number	85369010

Electrical parameters

Rated voltage	60 V
Rated impulse voltage	500 V
Rated current (40 °C)	3,0 A
Insulation resistance	≥ 10¹⊠ Ω
Pollution degree	1
Overvoltage category	1
Insulating material group	III
EMC compliance	unshielded

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Material

Housing material	PA
Contact body material	PBT (UL94 V-0)
Contact material	CuZn (brass)
Contact plating	Au (gold)
REACH SVHC	CAS 96-45-7 (Imidazolidine-2-thione) CAS 7439-92-1 (Lead)
SCIP number	1dc46bfa-49dc-41a5-a9e6-63cd84298df6

Classifications

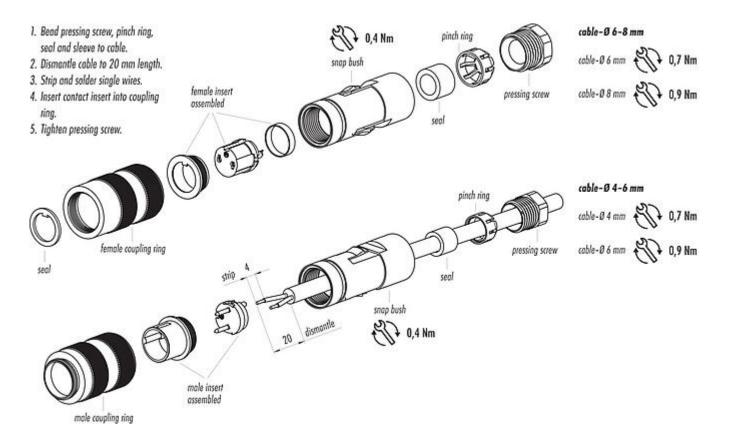
eCl@ss 11.1 ETIM 7.0 27-44-01-09 EC003569

2014/35/EU (EN 60204-1:2018;EN 60529:1991)

Declarations of conformity

Low Voltage Directive

Assembly instructions



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General Disclaim Notice

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 IP67 and IP68 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. 50 cNm).