Product data sheet

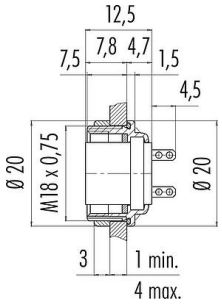
Miniature connectors

Product description	**M16 Female panel mount connector, Contacts: 8 (08-a), unshielded, solder, IP68, UL 2238, AISG compliant, M18x0,75, Rear mounting**
Area	**M16 IP67**
Series	**723**
Part no.	**09 0174 80 08**

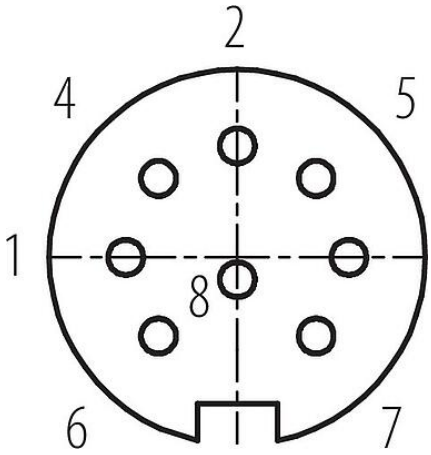
Illustration (may vary)



Scale drawing



Contact arrangement (Plug-in side)



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

Technical data

General features

Part no.	09 0174 80 08
Connector design	Female panel mount connector
Type standard	DIN EN 61076-2-106
Version	Connector socket straight
Connector locking system	screw
Termination	solder
Degree of protection	IP68
Connection cross-section	0.75 mm² / AWG 18
Temperature range from/to	-40 °C / 95 °C
Mechanical operation	> 500 Mating cycles
Weight (g)	8.54
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	60 V
Rated impulse voltage	500 V
Rated current	5.0 A
Insulation resistance	≥ 10^{10} Ω
Pollution degree	1
Overvoltage category	I
Insulating material group	III
EMC compliance	unshielded

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Material

Housing material	Zinc die-cast nickel-plated
Contact body material	PBT (UL94 V-0)
Contact material	CuSn (bronze)
Contact plating	Ag (silver)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	27bcb0c9-1a88-4d03-beff-52ca289e1d9b

Authorization/approvals

Approvals	UL 2238, AISG compliant

Classifications

eCl@ss 11.1	27-44-01-09
ETIM 9.0	EC003569

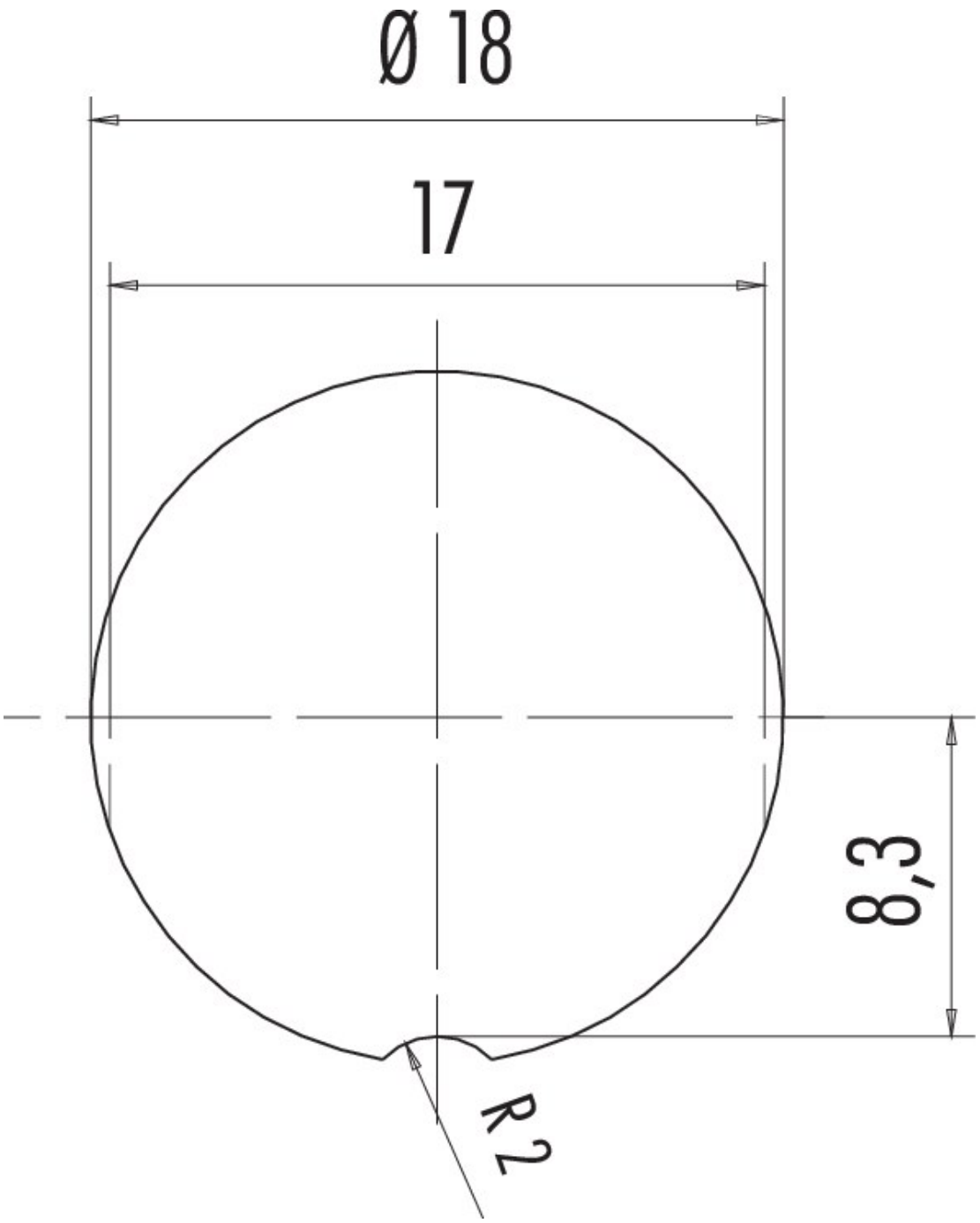
Trade-Compliance

Copper (9903.78.01)	0.005570 kg

Product data sheet
Miniature connectors

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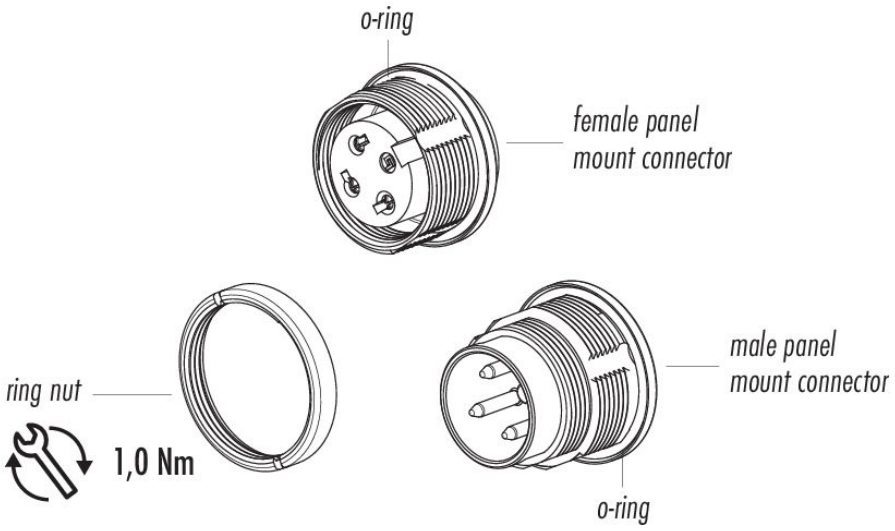
Assembly instructions / Panel cut-out



Product data sheet
Miniature connectors

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Component part drawing



Product data sheet
Miniature connectors

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Security notices

The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.

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.

Connectors which are used in circuits with voltages dangerous to the touch may only be installed and used by, or under the supervision of, persons with electrical engineering training, taking into account the applicable regulations and standards.

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.

Please observe the pollution degree and the overvoltage category. For further information, please refer to the download center "Technical Information".

To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 60 cNm).