Product data sheet

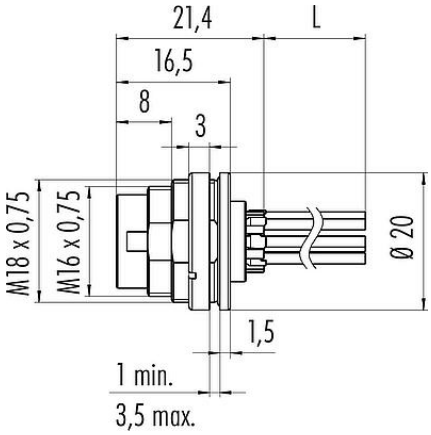
Miniature connectors

Product description	**M16 Male panel mount connector, Contacts: 8 (08-a), unshielded, single wires, IP68, UL 2238, AISG compliant, M18x0,75, Rear mounting**
Area	**M16 IP67**
Series	**723**
Part no.	**09 0173 782 08**

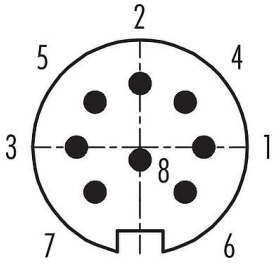
Illustration (may vary)



Scale drawing



Contact arrangement (Plug-in side)



1	white
2	brown
3	green
4	yellow
5	grey
6	pink
7	blue
8	red

You can find the assembly instructions on the next page.

Technical data

General features

Part no.	09 0173 782 08
Connector design	Male panel mount connector
Type standard	DIN EN 61076-2-106
Wire length	0.2 m (Standard 0.2 m. Other lengths are available on request).
Version	Connector pin straight
Connector locking system	screw
Termination	single wires
Degree of protection	IP68
Connection cross-section	AWG 22
Temperature range from/to	-30 °C / 85 °C
Mechanical operation	> 500 Mating cycles
Weight (g)	21.39
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	100 V
Rated impulse voltage	1200 V
Rated current	5.0 A
Insulation resistance	≥ $10^{1^{0}}$ Ω
Pollution degree	1
Insulating material group	II
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	bea6c090-1fc3-41a2-a1b2-9a6b42e7c243

Wire Data - Structure of the wire

Cross section (mm²)	8 x 0.34 mm²
Cross section (AWG)	8 x AWG 22
Wire diameter	1,65 mm
Wire colors	brown white blue green yellow grey pink red
Sheath material	PVC
Wire material	Cu (tinned)
Wire structure	7 x 0.254 mm

Wire Data - Electrical properties

Rated voltage	300 V
Rated impulse voltage	3000 V
Insulation resistance	20.0 MΩ/Km (20 °C)

Wire Data - Thermal properties

Temperature range wire in move from / to (°C)	-10 °C / 105 °C
Temperature range wire fixed from / to (°C)	-40 °C / 105 °C

Authorization/approvals

Approvals	UL 2238, AISG compliant

Classifications

ETIM 9.0	EC003569

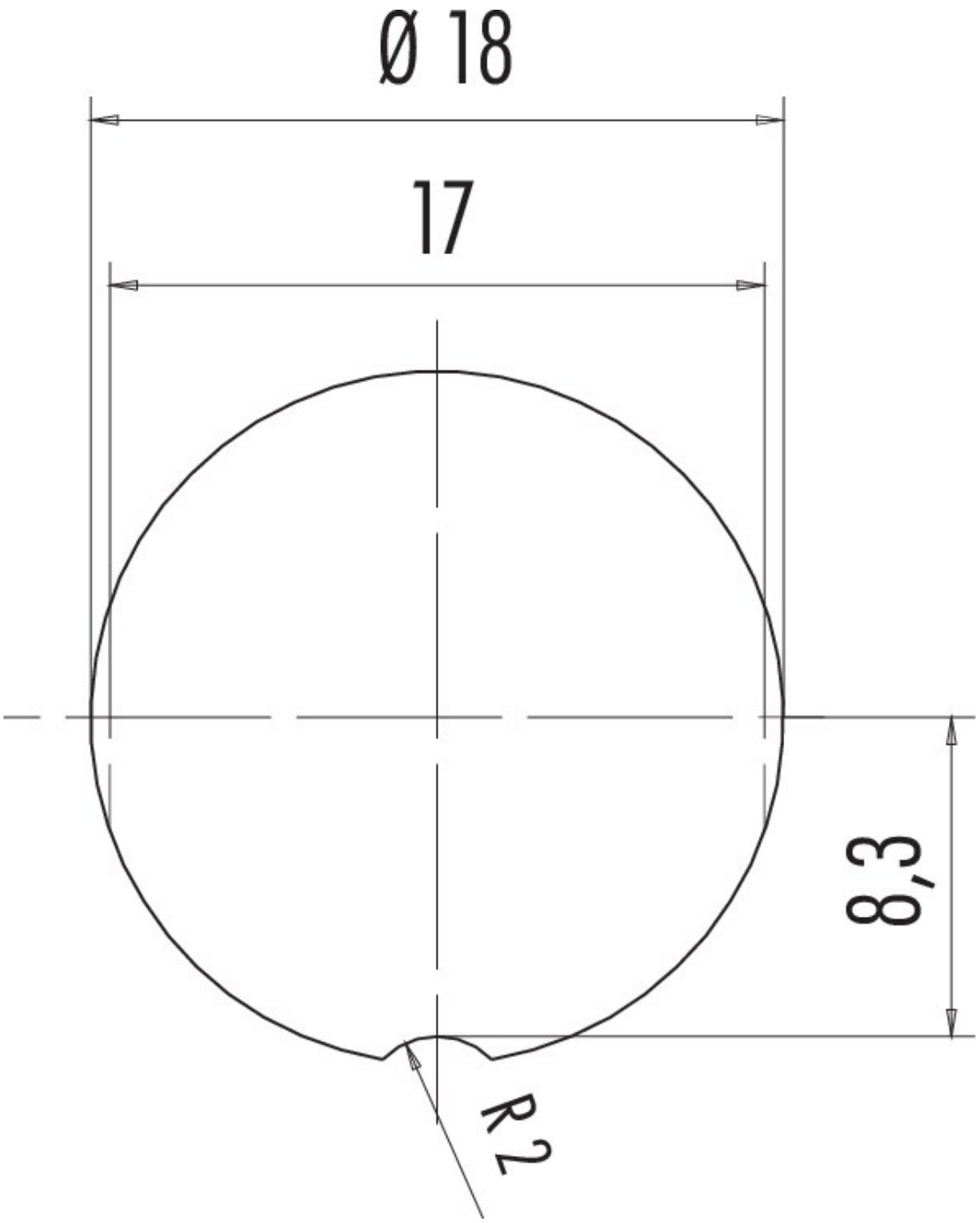
Trade-Compliance

Copper (9903.78.01)	0.005570 kg

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Miniature connectors

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Assembly instructions / Panel cut-out



Product data sheet

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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).