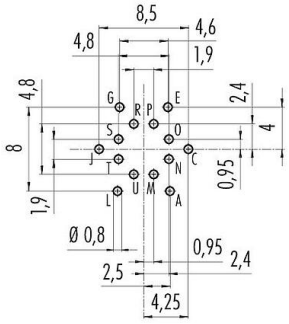
Product data sheet
Miniature connectors

Product description	**M16 Female panel mount connector, Contacts: 14 (14-b), unshielded, THT, IP67, UL, front fastened**
Area	**series 723**
Part no.	**09 0454 90 14**

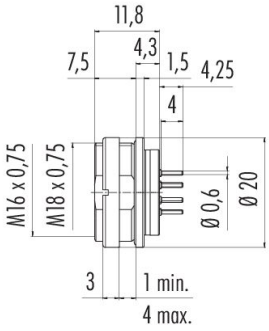
Illustration



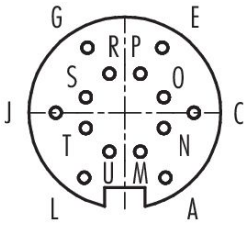
Conductor layout



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 0454 90 14
Connector design	Female panel mount connector
Type standard	DIN EN 61076-2-106
Version	Connector socket straight
Connector locking system	screw
Termination	THT

Product data sheet

Miniature connectors

Product description	**M16 Female panel mount connector, Contacts: 14 (14-b), unshielded, THT, IP67, UL, front fastened**
Area	**series 723**
Part no.	**09 0454 90 14**

Degree of protection	IP67
Temperature range from/to	-40 °C / 95 °C
Mechanical operation	> 500 Mating cycles
Weight (g)	8.63
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	60 V
Rated impulse voltage	500 V
Rated current	3,0 A
Insulation resistance	≥ 10^{10} Ω
Pollution degree	1
Overvoltage category	I
Insulating material group	III
EMC compliance	unshielded

Material

Housing material	Zinc die-cast nickel-plated
Contact body material	PBT (UL94 V-0)
Contact material	CuSn (bronze)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	ed92c948-53b4-4aba-acd7-2af484b45806

Authorization/approvals

Approvals	UL

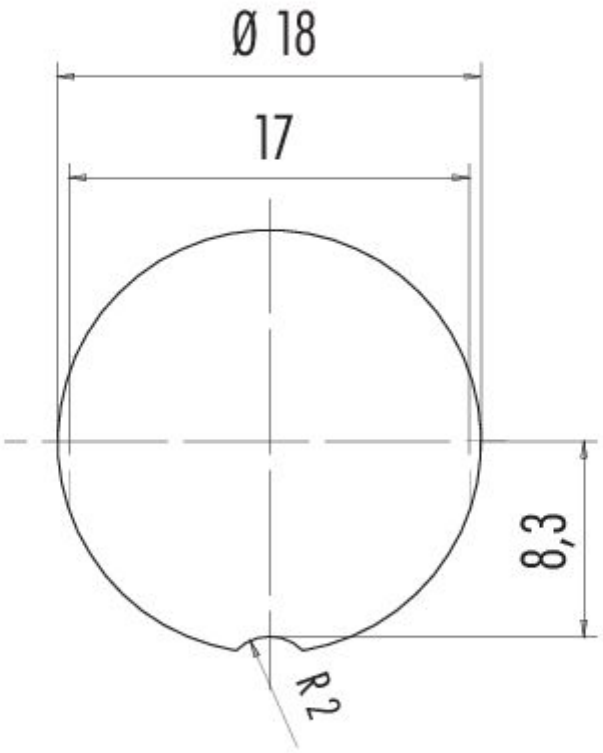
Classifications

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

Product data sheet
Miniature connectors

Product description	**M16 Female panel mount connector, Contacts: 14 (14-b), unshielded, THT, IP67, UL, front fastened**
Area	**series 723**
Part no.	**09 0454 90 14**

Assembly instructions / Panel cut-out

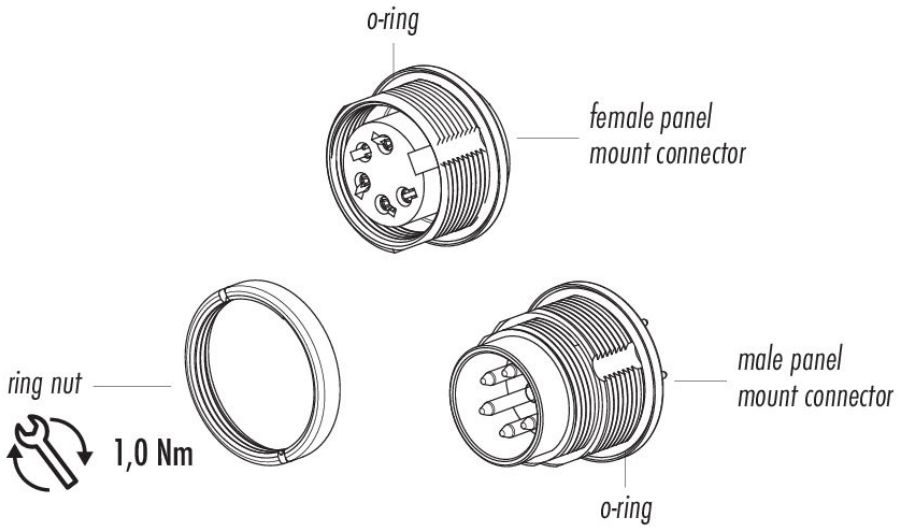


Date: 04.08.2024

Product data sheet
Miniature connectors

Product description	**M16 Female panel mount connector, Contacts: 14 (14-b), unshielded, THT, IP67, UL, front fastened**
Area	**series 723**
Part no.	**09 0454 90 14**

Component part drawing



Date: 04.08.2024

Product data sheet
Miniature connectors

Product description	**M16 Female panel mount connector, Contacts: 14 (14-b), unshielded, THT, IP67, UL, front fastened**
Area	**series 723**
Part no.	**09 0454 90 14**

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.

The plug connector is not suitable for mains voltages 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).