

Product data sheet

Automation technology - Voltage and Power Supply



Product description	M12 Female panel mount connector, Contacts: 4+FE, unshielded, THR, IP67, UL 2238, M16x1.5, Front mounting
Area	M12-L
Coding	L-coded
Series	823
Part no.	99 0642 20 05

Electrical parameters

Rated voltage	63 V
Rated impulse voltage	1500 V
Rated current	16.0 A
Insulation resistance	$> 10^{10} \Omega$
Pollution degree	3
Overvoltage category	III
Insulating material group	I
EMC compliance	unshielded

Material

Housing material	Zinc die-cast nickel-plated
Contact body material	PA (UL94 V-0)
Contact material	CuZn (brass) / CuSn (bronze)
Contact plating	Au (gold)
Locking material	Zinc die-cast nickel-plated
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	10359863-cc38-4105-96c7-d9c0e71c2a56

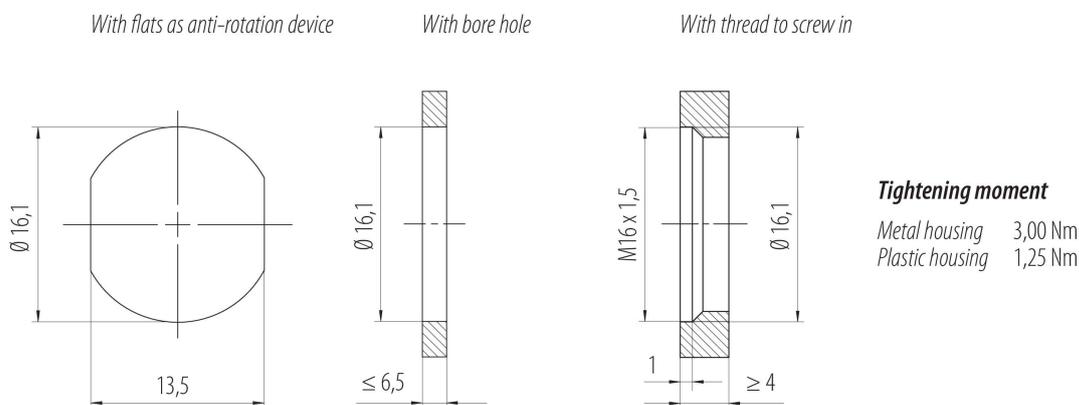
Authorization/approvals

Approvals	UL 2238
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Classifications

eCl@ss 11.1	27-44-01-02
ETIM 9.0	EC002635

Assembly instructions / Panel cut-out



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General Disclaim Notice

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.

The user must take suitable safety precautions to ensure that the connector cannot be accidentally disconnected.

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).