

Product data sheet

Power connectors

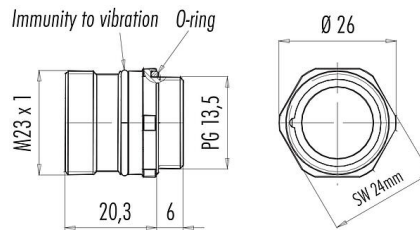


Product description	M23 Female panel mount connector, Contacts: 6, unshielded, solder, IP67, central fixing
Area	M23 series 623
Part no.	99 4638 20 06

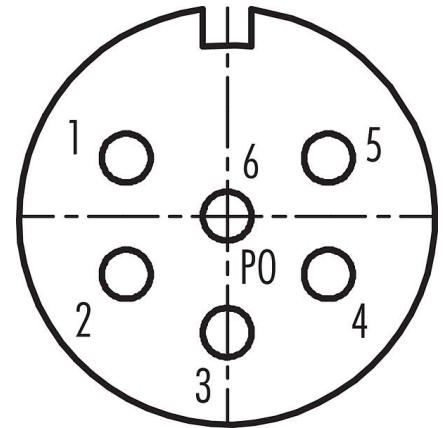
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	99 4638 20 06
Connector design	Female panel mount connector
Version	Connector socket straight
Connector locking system	screw
Termination	solder
Degree of protection	IP67
Arrangement of contacts	clockwise
Cross-sectional area	2.50 mm ² / AWG 14
Temperature range from/to	-25 °C / 125 °C
Mechanical operation	> 50 Mating cycles
Weight (g)	30.76
Customs tariff number	85369010

Electrical parameters

Rated voltage	48 V
Rated impulse voltage	2500 V
Rated current (40 °C)	20.0 A
Insulation resistance	≥ 10 ¹⁰ Ω
Pollution degree	3
Overvoltage category	II
Insulating material group	III
EMC compliance	unshielded

Material

Housing material	Zinc die-cast nickel-plated
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Part no. **99 4638 20 06**

Contact body material PBT/PA66

Contact material CuSn (bronze)

Contact plating Au (gold)

REACH SVHC CAS 7439-92-1 (Lead)

SCIP number 167c03ef-bded-4784-a103-973f53eb7299

Classifications

eCl@ss 11.1 27-44-01-02

ETIM 7.0 EC002635

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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.

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.