

Product data sheet

Power connectors

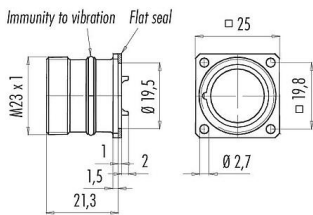


Product description	M23 Square male panel mount connector, Contacts: 6, unshielded, solder, IP67, front fastened
Area	series 623
Part no.	99 4637 00 06

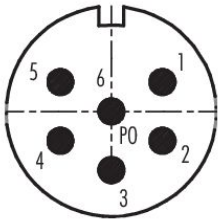
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	99 4637 00 06
Connector design	Square male panel mount connector
Version	Connector pin straight
Connector locking system	screw
Termination	solder
Degree of protection	IP67
Arrangement of contacts	clockwise
Cross-sectional area	2.50 mm <sup>2</sup> / AWG 14
Temperature range from/to	-25 °C / 125 °C
Mechanical operation	> 50 Mating cycles
Weight (g)	32.00
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	48 V
Rated impulse voltage	2500 V
Rated current	20.0 A
Insulation resistance	≥ 10 <sup>10</sup> 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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Contact body material	PBT/PA66
Contact material	CuZn (brass)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	2577d913-9a5c-4cb8-9375-88d1f2d6ba00

Classifications

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

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.

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".