

# Product data sheet

## Power connectors

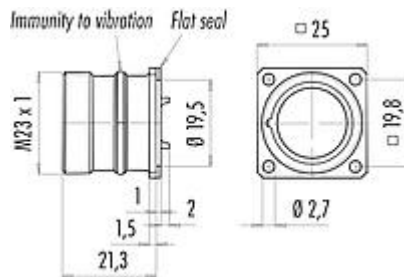


Product description	M23 Square female panel mount connector, Contacts: 12, unshielded, solder, IP67, front mounting
Area	M23 series 623
Part no.	99 4608 10 12

### Illustration



### Scale drawing



### Contact arrangement (Plug-in side)

	X	Y
1	3,60	4,30
2	5,55	1,00
3	4,90	-2,80
4	1,90	-5,30
5	-1,90	-5,30
6	-4,90	-2,80
7	-5,55	1,00
8	-3,60	4,30
9	0,00	4,50
10	1,90	1,00
11	0,00	-2,20
12	-1,90	1,00

## Technical data

### General features

Part no.	99 4608 10 12
Connector design	Square female panel mount connector
Version	female straight
Connector locking system	screw
Termination	solder
Degree of protection	IP67
Arrangement of contacts	counterclockwise
Cross-sectional area	max. 1.00 mm <sup>2</sup> / AWG 17
Temperature range from/to	-25 °C / 125 °C
Mechanical operation	> 50 Mating cycles
Weight (g)	29.50
Customs tariff number	85369010

### Electrical parameters

Rated voltage	48 V
Rated impulse voltage	1500 V
Rated current (40 °C)	8,0 A
Insulation resistance	≥ 10 <sup>10</sup> Ω
Pollution degree	3
Overvoltage category	II
Insulating material group	III
EMC compliance	unshielded

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### Material

Housing material	Zinc die-cast nickel-plated
Contact body material	PBT/PA66
Contact material	CuSn (bronze)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	6f4d7fb2-3c52-45cd-8f07-ba96f1b72131

### 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.