

Product data sheet

Power connectors

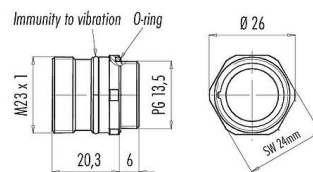


Product description	M23 Female panel mount connector, Contacts: 19, unshielded, solder, IP67, central fixing
Area	series 623
Part no.	99 4634 20 19

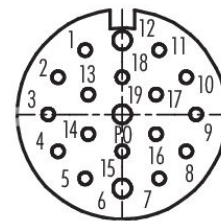
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	99 4634 20 19
Connector design	Female panel mount connector
Version	Connector socket straight
Connector locking system	screw
Termination	solder
Degree of protection	IP67
Arrangement of contacts	clockwise
Connection cross-section	16x1.00 / 3x1.50 mm ² / 16 x AWG 18 / x AWG 16
Temperature range from/to	-20 °C / 125 °C
Mechanical operation	> 50 Mating cycles
Weight (g)	31.38
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	48 V
Rated impulse voltage	1500 V
Rated current	16x8 A / 3x10 A
Insulation resistance	$\geq 10^{10} \Omega$
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	b3700703-0d53-4103-8f9e-2e62a75a14de

Classifications

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

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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".