SAIE-M12B-4-9SMT

Weidmüller is one of the industry's leading international providers of connectors. An important mainstay in this product family are the circular connectors, which Weidmüller groups under the product name SAI. In the development of SAI products, Weidmüller engineers have always concentrated on achieving rational, cost-effective installation concepts, and – in cooperation with major users – have supplied the markets with well-conceived products which set standards in terms of functionality and quality across the globe. The best examples are the new power distributors with S and T coded M12. These modules are characterised by particularly high currents and voltages. This enables them to also be used, for example, with three-phase motors.

General ordering data

Version	Built-in plugs, M12, Number of poles: 4
Order No.	2422300000
Type	SAIE-M12B-4-9SMT
GTIN (EAN)	4050118430998
Qty.	25 pc(s).

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SAIE-M12B-4-9SMT

Technical data

Dimensions and weights

Net weight	9.04 g

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

Technical data of PCB plug-in connector

Coding	A
Housing surface	nickel-plated
Housings	M12 socket
Mounting height	9 mm
Mounting thread	M14
Number of poles	4
Shield connection	No
Rated voltage	250 V
Rated voltage	250 V (4-pole) / 60 V (5-pole) / 30 V (8-pole)
Rated current	4 A
Rated current	4 A (4- and 5-pole) / 2 A (8-pole)
Temperature range	-30...80 °C
Protection degree	IP67
Contact surface	Au (Gold)
Housing main material	CuZn, nickel-plated
Connection thread	M12
Tightening torque	M12: 0.8 Nm
Mounting thread	M 14
Mounting torque	max. 1.2 Nm
Mounting torque range	1.2 Nm
Mounting onto the PCB	SMD solder connection
Insulation strength	100 MΩ
Pollution severity	3 (2 within the sealed area)
Plugging cycles	≥ 100
Contact material	CuZn
Lock nut material	Nickel-plated CuZn
Material of the flange-mounted housing	Nickel-plated CuZn

General Info

Housing main material	CuZn, nickel-plated	Connection thread	M12
Contact material	CuZn	Contact surface	Au (Gold)
Protection degree	IP67	Plugging cycles	≥ 100

Material data

Contact material	CuZn	Contact surface	Au (Gold)

System parameters

Mounting onto the PCB	SMD solder connection	Insulation strength	100 MΩ
Number of poles	4	Pin series quantity	1
Plugging cycles	≥ 100	Protection degree	IP67

SAIE-M12B-4-9SMT

Technical data

Classifications

ETIM 6.0	EC002638	ETIM 7.0	EC003568
ETIM 8.0	EC003568	ECLASS 9.0	27-44-03-09
ECLASS 9.1	27-44-03-09	ECLASS 10.0	27-44-03-09
ECLASS 11.0	27-44-01-10	ECLASS 12.0	27-44-01-10

Approvals

ROHS	Conform

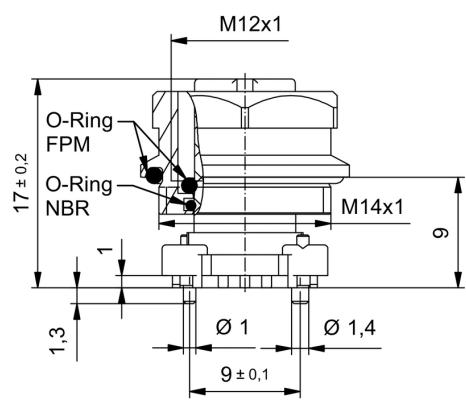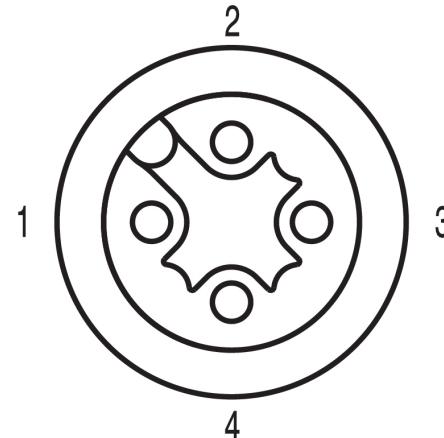### Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN

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SAIE-M12B-4-9SMT

Drawings

Dimensioned drawing

Pole scheme

PCB design