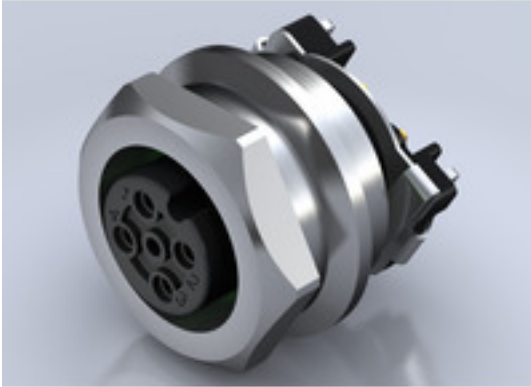


SAIE-M12B-5S-9SMT**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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, Mounting thread: M 14, Number of poles: 5, Strand / cable length:
Order No.	2422390000
Type	SAIE-M12B-5S-9SMT
GTIN (EAN)	4050118431261
Qty.	25 pc(s).

SAIE-M12B-5S-9SMT**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**Dimensions and weights**

Net weight	9.56 g
------------	--------

Technical data of PCB plug-in connector

Coding	A-coded
Housing surface	nickel-plated
Housings	M12 socket
Mounting height	9 mm
Mounting thread	M14
Number of poles	5
Shield connection	Yes
Rated voltage	60 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	Cu-alloy
Lock nut material	Nickel-plated CuZn
Material of the flange-mounted housing	Nickel-plated CuZn

General Info

Number of poles	5	Housing main material	CuZn, nickel-plated
Connection thread	M12	Contact material	Cu-alloy
Contact surface	Au (Gold)	Protection degree	IP67
Plugging cycles	≥ 100		

Material data

Contact material	Cu-alloy	Contact surface	Au (Gold)
------------------	----------	-----------------	-----------

System parameters

Mounting onto the PCB	SMD solder connection	Insulation strength	100 MΩ
Number of poles	5	Pin series quantity	1
Plugging cycles	≥ 100	Protection degree	IP67

SAIE-M12B-5S-9SMT**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Technical data****Classifications**

ETIM 6.0	EC002638	ETIM 7.0	EC003568
ETIM 8.0	EC003568	ETIM 9.0	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	ECLASS 13.0	27-44-01-10

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	0ea6d931-f9e9-40a6-89d9-8d67103189d3

Approvals

ROHS	Conform
------	---------

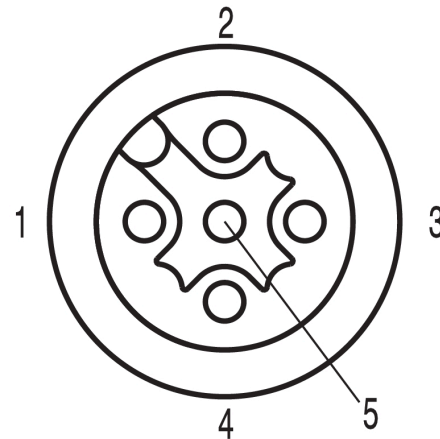
Downloads

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

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

Drawings

Pole scheme



Technical drawing of a mechanical part, likely a bush or sleeve, showing dimensions and tolerances. The part is symmetrical about a vertical centerline. Key dimensions include:

- Overall width: 13,3
- Inner bore diameter: $\varnothing 5$
- Five holes around the bore, each with diameter $\varnothing 1,5$ and a positional tolerance of $9 \pm 0,1$
- Outer diameter: $\varnothing 1,5^{+0}_{-0,03}$
- Fillet radius: $R0,95$
- Base width: 2,25