

SAIE-M12S-5S-9/14SMT**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Similar to illustration**

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.	2423320000
Type	SAIE-M12S-5S-9/14SMT
GTIN (EAN)	4050118431940
Qty.	25 pc(s).

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Technical data**Dimensions and weights**

Net weight	11.12 g
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Technical data of PCB plug-in connector

Coding	A-coded
Housing surface	nickel-plated
Housings	M12 pin
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)
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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

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

ETIM 6.0	EC002638	ETIM 7.0	EC003568
ETIM 8.0	EC003568	ETIM 9.0	EC003568
ETIM 10.0	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	ECLASS 14.0	27-44-01-10
ECLASS 15.0	27-44-01-10		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	0ea6d931-f9e9-40a6-89d9-8d67103189d3

Approvals

ROHS	Conform
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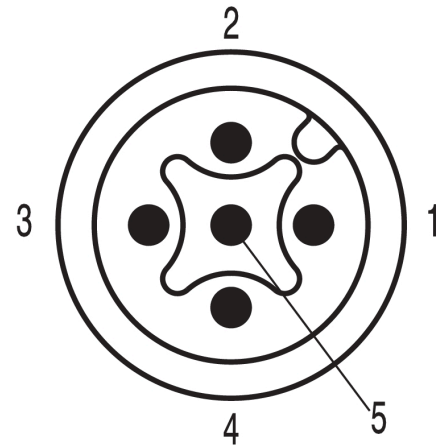
Downloads

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

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Drawings

Pole scheme



Technical drawing of a mechanical part (Fig. 1.10) showing a cross-section with dimensions and tolerances. The part is symmetrical about a vertical centerline. The overall width is 13.3. The distance between the centers of the two large circular features is 10.9. The distance between the centers of the five small circular features is 9 ± 0.1. The diameter of the large circular features is Ø 1.1⁺⁰_{-0.03}. The diameter of the small circular features is Ø 1.5⁺⁰_{-0.03}. The distance from the centerline to the center of the five small circular features is 2.25. The distance from the centerline to the center of the large circular features is 7.9. The radius of the fillet is R0.95. The part is labeled with 5xØ 1.5, indicating five small circular features. The part is also labeled with 3, 4, 5, 2, 1, indicating different regions or features.