

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

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Germany

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Similar to illustration

Weidmüller is now 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

Type	SAID-M12B-5S-9SMT
Order No.	2422120000
Version	Built-in plugs, M12, Socket, No. of poles: 5
GTIN (EAN)	4050118430950
Qty.	25 pc(s).

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Technical data**Dimensions and weights**

Net weight 3.44 g

Technical data of PCB plug-in connector

Coding	A	No. of poles	5
Rated voltage		Rated voltage (text)	250 V (4-pole) / 60 V (5-pole) / 30 V (8-pole)
Rated current	60 V	Rated current	4 A (4- and 5-pole) / 2 A (8-pole)
Temperature range	4 A	Protection degree	IP67
Contact surface	-25...+95 °C	Housing main material	LCP
connection thread	Au (Gold)	Tightening torque	M12: 0.8 Nm
Insulation resistance	M12	Pollution severity	3 (2 within the sealed area)
Plugging cycles	100 MΩ	Contact material	CuZn
Lock nut material	≥ 100	Material of the flange-mounted housing	Nickel-plated CuZn
	Nickel-plated CuZn		

Material data

Contact material CuZn Contact surface Au (Gold)

System parameters

Insulation resistance	100 MΩ	No. of poles	5
Pin series quantity	1	Plugging cycles	≥ 100
Protection degree	IP67		

Classifications

ETIM 6.0	EC000438	eClass 6.2	27-26-07-02
eClass 9.1	27-44-02-05		

Approvals

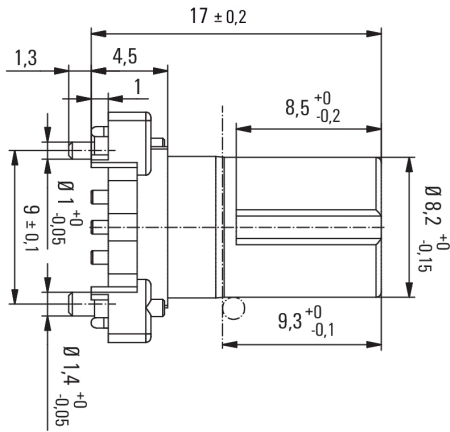
ROHS Conform

SAID-M12B-5S-9SMT

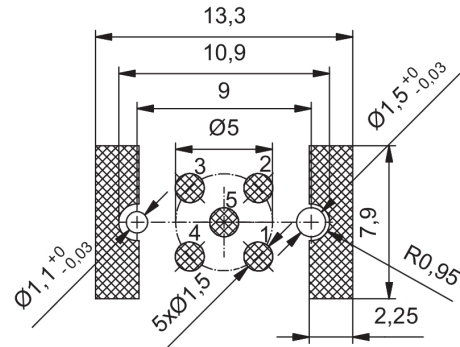
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Drawings

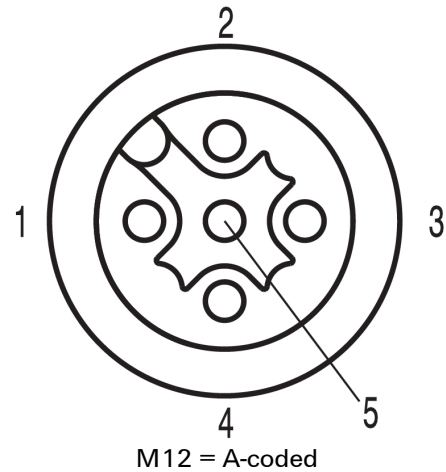
Dimensioned drawing



PCB design



Pole scheme



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Accessories

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
SAIFG-M14X1-B-1	2423920000	Built-in plug housing, M12 socket, Mounting height: 9 mm	405011843180325	25 pc(s).
SAIE-KMM14X1-SW15	2424010000	Locknut	405011843123025	25 pc(s).
SAIFG-M14X1-B-2	2423950000	Built-in plug housing, M12 socket, Mounting height: 13 mm	405011843233625	25 pc(s).