

#### 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.	<u>2423830000</u>
Туре	SAIE-M12SB-5S-9SMT
GTIN (EAN)	4050118432497
Qty.	25 items

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# **Technical data**

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ROHS Conform

### **Dimensions and weights**

Net weight 11.36 g

### **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

## **Technical data of PCB plug-in connector**

Number of poles	5	
Coding	B-coded	
Housings	M12 pin	
Installation height	9 mm	
Housing surface	nickel-plated	
Shield connection	Yes	
Mounting thread	M14	
Nominal voltage	60 V	
Rated voltage	250 V (4-pole) / 60 V (5-pole)	
Nominal current	4 A	
Rated current	4 A	
Temperature range	-3080 °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 range	1.2 Nm	
Mounting torque	max.	1.2 Nm
Mounting onto the PCB	SMD solder connection	
Insulation resistance	100 ΜΩ	
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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Catalogue status / Drawings 2





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# **Technical data**

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

### Important note

Notes

#### Classifications

- Ciaconio ationio			
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		

Catalogue status / Drawings



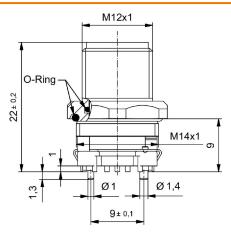
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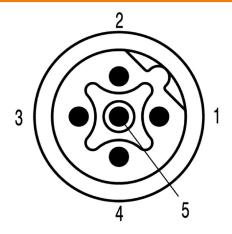
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# **Drawings**

## **Dimensioned drawing**



#### Pole scheme



## **PCB** design

