

SAIE-M8B-5-F9THR**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, M8, Mounting thread: M10, Number of poles: 5, Strand / cable length:
Order No.	2423250000
Type	SAIE-M8B-5-F9THR
GTIN (EAN)	4050118430387
Qty.	25 pc(s).

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Technical data**Dimensions and weights**

Net weight	9.36 g
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Technical data of PCB plug-in connector

Coding	B-coded
Housing surface	nickel-plated
Housings	M8 socket
Mounting height	9 mm
Mounting thread	M10
Number of poles	5
Shield connection	No
Type of mounting	Front mounting
Rated voltage	30 V
Rated voltage	60 V (3-pole) / 30 V (4-,5- and 8-pole)
Rated current	4 A
Rated current	4 A
Temperature range	-30...80 °C
Protection degree	IP67
Contact surface	Au (Gold)
Housing main material	CuZn, nickel-plated
Connection thread	M8
Tightening torque	M8: 0.5 Nm
Mounting thread	M10
Mounting torque	max. 0.8 Nm
Mounting torque range	0.8 Nm
Mounting onto the PCB	THT/THR solder connection
Insulation strength	100 MΩ
Pollution severity	3 (2 within the sealed area)
Plugging cycles	≥ 100
Contact material	Cu-alloy
Seal material	FPM
Lock nut material	Nickel-plated CuZn
Material of the flange-mounted housing	Nickel-plated CuZn
Grouting material	PUR

General Info

Number of poles	5	Housing main material	CuZn, nickel-plated
Connection thread	M8	Contact material	Cu-alloy
Contact surface	Au (Gold)	Type of mounting	Front mounting
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	THT/THR solder connection	Insulation strength	100 MΩ
Number of poles	5	Pin series quantity	1
Plugging cycles	≥ 100	Protection degree	IP67

Creation date May 11, 2025 9:00:54 PM CEST

Catalogue status 26.04.2025 / We reserve the right to make technical changes.

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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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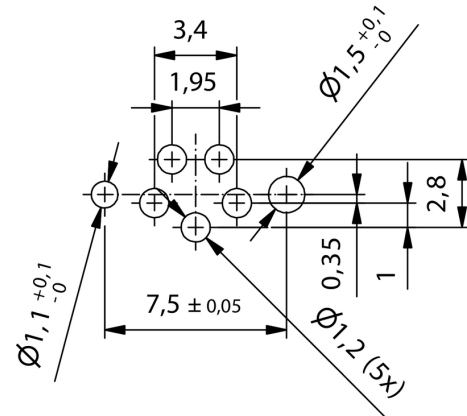
Downloads

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

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Drawings

PCB design



A diagram of a circular object, possibly a cross-section of a fruit or a container. It features a large outer circle and a smaller inner circle. Between the two circles, there are five small circles arranged in a pentagonal pattern. The outer circle is labeled with numbers 1 through 5 at various points: 1 is at the bottom right, 2 is at the top right, 3 is at the bottom left, 4 is at the top left, and 5 is at the bottom center.