

**SAIE-M12BB-4-H12TL-PG9****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

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Germany

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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**

Type	SAIE-M12BB-4-H12TL-PG9
Order No.	<a href="#">2424510000</a>
Version	Built-in plugs, M12, PG 9, Number of poles: 4, Rear panel mounting
GTIN (EAN)	4050118431964
Qty.	10 pc(s).

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**Technical data****Dimensions and weights**

Net weight 20 g

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

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

Coding	B	Housing surface	nickel-plated
Housings	M12 socket	Mounting height	12 mm
Mounting thread	PG9	Number of poles	4
Shield connection	Yes	Type of mounting	Rear panel mounting
Rated voltage	250 V	Rated voltage (text)	250 V
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	M12	Tightening torque	M12: 0.8 Nm
Mounting thread	PG 9	Mounting torque range	1.2 Nm
Insulation strength	100 MΩ	Pollution severity	3 (2 within the sealed area)
Plugging cycles	≥ 100	Contact material	CuZn
Lock nut material	Nickel-plated CuZn	Material of the flange-mounted housing	Nickel-plated CuZn

**Material data**

Contact material CuZn Contact surface Au (Gold)

**System parameters**

Insulation strength	100 MΩ	Number of poles	4
Pin series quantity	1	Plugging cycles	≥ 100
Protection degree	IP67		

**Classifications**

ETIM 6.0	EC002638	ETIM 7.0	EC002638
eClass 9.0	27-44-03-09	eClass 9.1	27-44-03-09
eClass 10.0	27-44-03-09		

**Approvals**

ROHS Conform

**Downloads**

Brochure/Catalogue [FL FIELDWIRING EN](#)

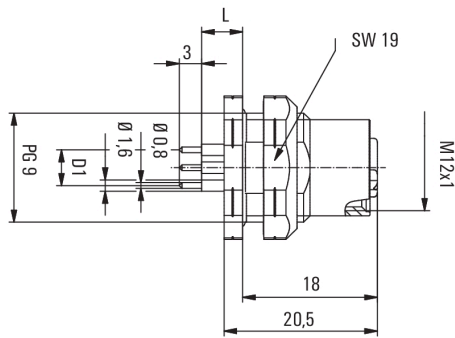
Engineering Data [STEP](#)

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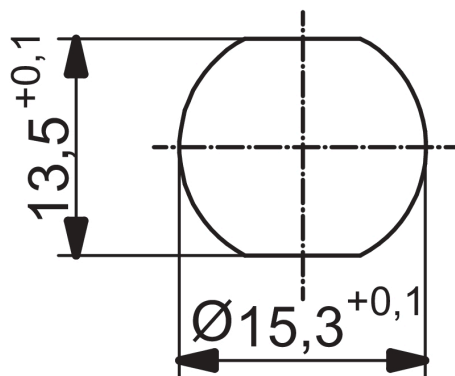
## Drawings

## Dimensioned drawing

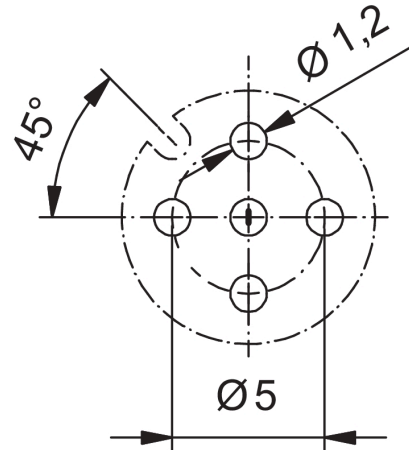


$L(\text{board-to-board distance}) = 12\text{mm}$

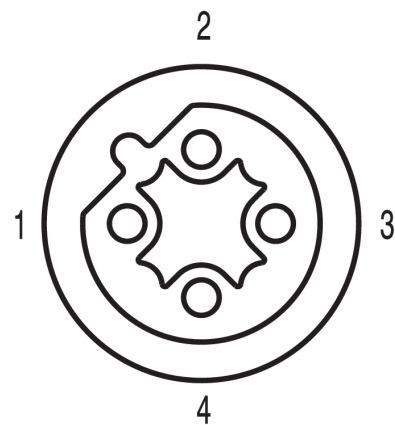
### Front panel section



## PCB design



## Pole scheme



M12 = B-coded