

SAIEW-M8B-3S-H12TL**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, M 12, Number of poles: 3, Rear panel mounting
Order No.	2424280000
Type	SAIEW-M8B-3S-H12TL
GTIN (EAN)	4050118430455
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Net weight	13.9 g
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Technical data of PCB plug-in connector

Coding	M8 = none
Housings	M8 socket
Mounting height	12 mm
Mounting thread	Pin: M10 / Socket: M12
Number of poles	3
Shield connection	Yes
Type of mounting	Rear panel mounting
Rated voltage	60 V
Rated voltage (text)	60 V (3-pole) / 30 V (4-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	M 12
Mounting torque	max. 0.8 Nm
Mounting torque range	0.8 Nm
Insulation strength	100 MΩ
Pollution severity	3 (2 within the sealed area)
Plugging cycles	≥ 100
Contact material	CuZn
Seal material	FPM
Lock nut material	Nickel-plated CuZn
Material of the flange-mounted housing	Nickel-plated CuZn
Grouting material	PUR

General Info

Housing main material	CuZn, nickel-plated	Connection thread	M8
Contact material	CuZn	Contact surface	Au (Gold)
Type of mounting	Rear panel mounting	Protection degree	IP67
Plugging cycles	≥ 100		

Material data

Contact material	CuZn	Contact surface	Au (Gold)
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System parameters

Insulation strength	100 MΩ	Number of poles	3
Pin series quantity	1	Plugging cycles	≥ 100
Protection degree	IP67		

Creation date March 26, 2021 11:01:06 PM CET

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ETIM 6.0	EC002638	ETIM 7.0	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

Approvals

ROHS	Conform
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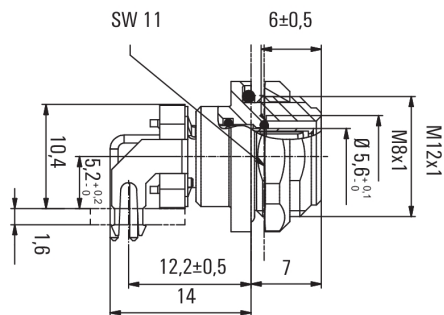
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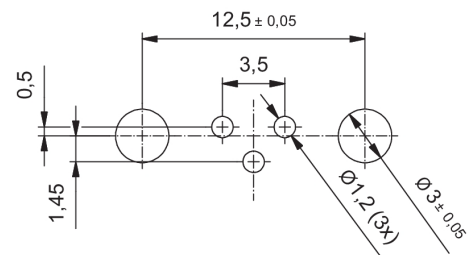
Drawings

Dimensioned drawing

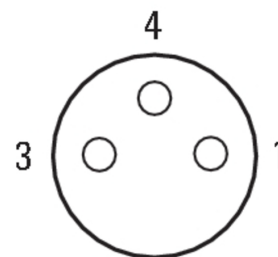


L(board-to-board distance) = 12mm

PCB design



Pole scheme



M8 = none