

SAIE-M12B-8-F10TL**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 12, Number of poles: 8, Strand / cable length:
Order No.	2421760000
Type	SAIE-M12B-8-F10TL
GTIN (EAN)	4050118430523
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Net weight	16.7 g
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Technical data of PCB plug-in connector

Coding	A-coded	Housings	M12 socket
Mounting height	10 mm	Mounting thread	M12
Number of poles	8	Shield connection	No
Type of mounting	Front mounting	Rated voltage	30 V
Rated current	2 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	M 12
Insulation strength	100 MΩ	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	8	Housing main material	CuZn, nickel-plated
Connection thread	M12	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

Insulation strength	100 MΩ	Number of poles	8
Pin series quantity	1	Plugging cycles	≥ 100
Protection degree	IP67		

Classifications

ETIM 6.0	EC002638	ETIM 7.0	EC003568
ETIM 8.0	EC003568	ETIM 9.0	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		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	Oea6d931-f9e9-40a6-89d9-8d67103189d3
RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c

Approvals

ROHS	Conform
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Creation date August 29, 2024 10:45:35 PM CEST

Catalogue status 17.08.2024 / We reserve the right to make technical changes.

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Technical data

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Engineering Data

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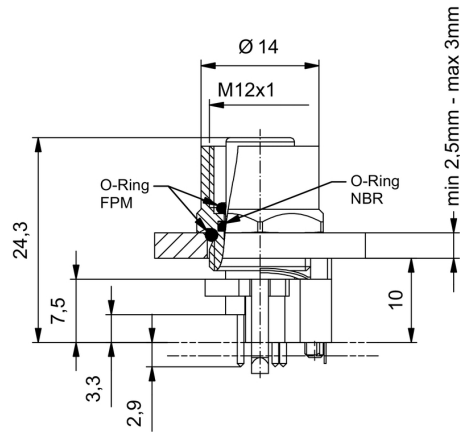
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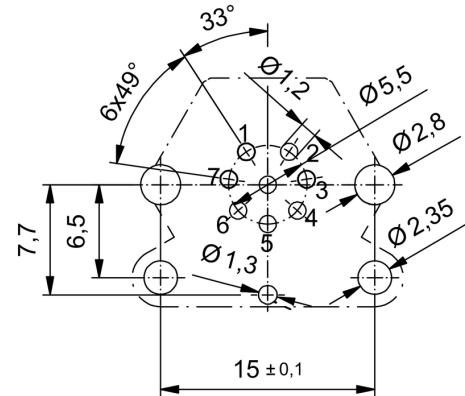
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Drawings

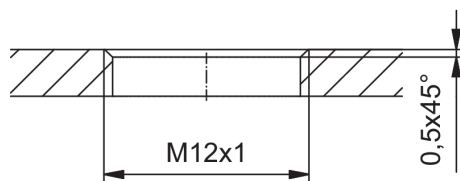
Dimensioned drawing



PCB design



Front panel section



Pole scheme

