

SAIE-M12S-8-H12TL-M16

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 16 x 1.5, Number of poles: 8, Strand / cable length:
Order No.	2421890000
Type	SAIE-M12S-8-H12TL-M16
GTIN (EAN)	4050118430615
Qty.	10 items

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Technical data

Approvals

ROHS Conform

Dimensions and weights

Net weight 20 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 8
 Coding A-coded
 Type of mounting Rear panel mounting
 Housings M12 pin
 Installation height 12 mm
 Shield connection No
 Nominal voltage 30 V
 Rated voltage 250 V (4-pole) / 60 V (5-pole) / 30 V (8-pole)
 Nominal current 2 A
 Rated current 4 A (4- and 5-pole) / 2 A (8-pole)
 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 16 x 1.5
 Mounting torque range 1.2 Nm
 Mounting torque max. 1.2 Nm
 Insulation resistance 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	Rear panel mounting
Protection degree	IP67	Plugging cycles	≥ 100

Material data

Contact material	Cu-alloy	Contact surface	Au (Gold)
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Technical data**System parameters**

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

Important note

Notes

Classifications

ETIM 8.0	EC003568	ETIM 9.0	EC003568
ETIM 10.0	EC003568	ECLASS 14.0	27-44-01-10
ECLASS 15.0	27-44-01-10		

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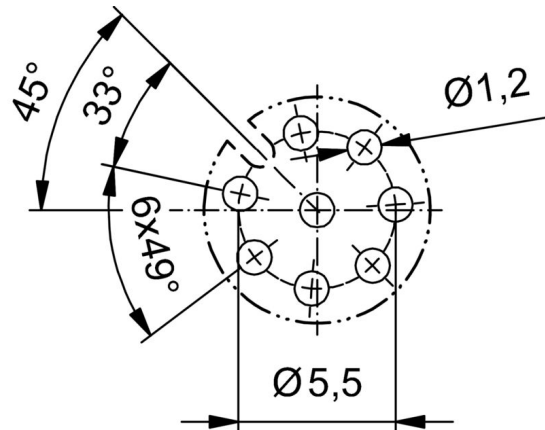
Drawings

Dimensioned drawing



L (board-to-board distance) =
 12mm D1 = 5,5 mm D2 = 1,4 mm

PCB design



Front panel section



Pole scheme



M12 = A-coded

