

SAIE-M12S-4DS-H6.75TL**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, M 16, Number of poles: 4, Rear panel mounting
Order No.	2424100000
Type	SAIE-M12S-4DS-H6.75TL
GTIN (EAN)	4050118432534
Qty.	10 pc(s).

SAIE-M12S-4DS-H6.75TL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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	D
Housing surface	nickel-plated
Housings	M12 pin
Mounting height	6.75 mm
Mounting thread	M16
Number of poles	4
Shield connection	Yes
Type of mounting	Rear panel mounting
Rated voltage	250 V
Rated voltage (text)	250 V (4-pole) / 60 V (5-pole) / 30 V (8-pole)
Rated current	4 A
Rated current	4 A (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
Mounting torque	max. 1.2 Nm
Mounting torque range	1.2 Nm
Mounting onto the PCB	THT solder connection
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

General Info

Housing main material	CuZn, nickel-plated	Connection thread	M12
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)
------------------	------	-----------------	-----------

System parameters

Mounting onto the PCB	THT solder connection	Insulation strength	100 MΩ
Number of poles	4	Pin series quantity	1
Plugging cycles	≥ 100	Protection degree	IP67

Creation date July 17, 2021 10:47:04 AM CEST

SAIE-M12S-4DS-H6.75TL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Technical data****Classifications**

ETIM 6.0	EC002638	ETIM 7.0	EC003568
ETIM 8.0	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
------	---------

Downloads

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

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

Drawings

Technical drawing of the upper part of a pressure washer lance. The drawing shows a side view of the assembly with the following dimensions and labels:

- M16x1,5**: Thread specification for the top connection.
- M12x1**: Thread specification for the middle connection.
- 19**: Height of the middle section.
- 21,5**: Total height of the assembly.
- 6,75**: Height of the lower section.
- 4**: Width of the lower section.
- 2,9**: Width of the trigger gun.
- Ø0,8**: Diameter of the trigger gun hole.
- Ø14,5**: Diameter of the lance.
- SW 19**: Label pointing to the trigger gun.
- O-Ring**: Label pointing to the O-ring.

Technical drawing of a circular part showing concentric circles and dimensions. The outermost circle has a diameter of $\varnothing 13,2$. Inside it, there is a dashed circle with a diameter of $\varnothing 5$. The innermost circle has a diameter of $\varnothing 1$. A radial dimension of $\varnothing 1,6^{+0}_{-0,1}$ is indicated from the center to the outer edge. A curved arrow indicates a rotation of $3 \times 120^\circ$. A 45° angle is shown at the top right.