

#### Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com





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: 4, Strand / cable length:
Order No.	2424380000
Туре	SAIEW-M12BD-4-FTL
GTIN (EAN)	4050118432480
Qty.	10 items

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# **Technical data**

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ROHS Conform

## **Dimensions and weights**

Net weight 16.2 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	4		
Coding	D-coded		
Type of mounting	Front mounting		
Housings	M12 socket		
Housing surface	nickel-plated		
Shield connection	Yes		
Mounting thread	M12		
Nominal voltage	250 V		
Rated voltage	250 V		
Nominal current	4 A		
Rated current	4 A		
Temperature range	-3080 °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		
Mounting torque range	1.2 Nm		
Mounting torque	max.	1.2 Nm	
Mounting onto the PCB	Dip solder		
Insulation resistance	100 ΜΩ		
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	4	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)

Creation date 01.12.2025 05:21:36 MEZ

Catalogue status / Drawings 2





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# **Technical data**

<b>System parameters</b>	System	parameters
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Mounting onto the PCB	Dip solder	Number of poles	4
Pin series quantity	1	Insulation resistance	100 ΜΩ
Protection degree	IP67	Plugging cycles	≥ 100

## Important note

Notes

## Classifications

ETIM 6.0	EC002638	ETIM 7.0	EC003568
ETIM 8.0	EC003568	ETIM 9.0	EC003568
ETIM 10.0	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
ECLASS 15.0	27-44-01-10		

Catalogue status / Drawings



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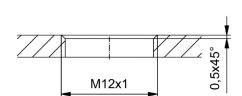
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# Front panel section



### Pole scheme

