

**SAI-4-MM 5P M12****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Some applications require complete shielding from the sensor to the control. Our metal SAI distributors achieve this complete shielding. EMC glands are included with the distributors. Initiator LEDs are omitted.

They are available in 4- and 8-way M12 versions with 5 or 10 m cables. In addition, these distributors can be used in harsh environments e.g. in the vicinity of welding plant. Hoods with a generous connection space available so that they can be provided with a standard gland up to M25.

- no EMC problems,
- high resistance to chemical or mechanical influences,
- standard fixing dimensions.

**General ordering data**

Version	SAI Passive, Sensor-actuator passive distributor, M12, Hood version, Yes
Order No.	<a href="#">1783500000</a>
Type	SAI-4-MM 5P M12
GTIN (EAN)	4032248184606
Qty.	1 pc(s).

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Catalogue status 09.09.2022 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Depth	102 mm	Depth (inches)	4.016 inch
Height	43 mm	Height (inches)	1.693 inch
Width	60 mm	Width (inches)	2.362 inch
Net weight	610 g		

## Temperatures

Operating temperature	-20 - 90°C
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## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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## Connection data

Conductor O.D., min.	10 mm	Conductor O.D., max.	14 mm
Cable glands	M 20, EMV	Clamping range, min.	0.08 mm <sup>2</sup>
Clamping range, max.	1.5 mm <sup>2</sup>	Storage space	Standard
Distributor outlet	Hood version		

## Electrical data

Rated voltage, min.	10 V	Rated voltage, max.	30 V
Test voltage	1 kV	Max. current-carrying capacity per slot	4 A
Total current	10 A	Current per signal	2 A
Electrical isolation available	Yes	Insulation strength	10 <sup>9</sup> Ω

## General technical data

Plug-in station coding	A	Protection degree	IP68
Number of poles	5	Number of contact sockets	4
Connection thread	M12	Pollution severity	3
Fire behaviour	V-0	Plugging cycles	≤ 50
LED	Yes	LED initiator	Yes

## Material data

Housing main material	Zinc diecast	Material of distributor	metal
Housing colour	silver	Hood sealing material	Polyurethane foamed
Screw socket	Nickel-plated CuZn	Contact material	CuZn
Contact surface	Gold-plated	Contact carrier material	PBT (UL 94 V0)

## Technical data cable

Conductor O.D., max.	14 mm	Conductor O.D., min.	10 mm
Number of poles	5	Suitable for cable carriers	No

## Classifications

ETIM 6.0	EC002585	ETIM 7.0	EC003558
ETIM 8.0	EC003558	ECLASS 9.0	27-44-01-08
ECLASS 9.1	27-44-01-08	ECLASS 10.0	27-44-01-11
ECLASS 11.0	27-44-01-11	ECLASS 12.0	27-44-01-11

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**Technical data****Approvals**

Approvals



ROHS

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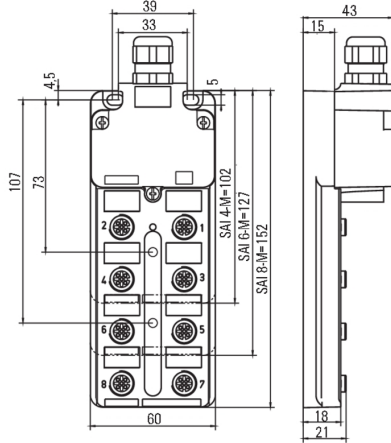
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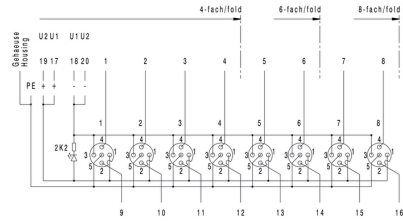
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**Drawings**

**Dimensioned drawing**



**Wiring diagram**



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