

SAI-8-MMH 5P M12 PI**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	Hood version, M12, 30 V, A-coded, LED: Yes, LED initiator: No, Wiring type: PNP
Order No.	1782740000
Type	SAI-8-MMH 5P M12 PI
GTIN (EAN)	4032248179497
Qty.	1 items
Delivery status	Discontinued
Last order date	2025-12-30T00:00:00+01:00

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Technical data

Approvals

ROHS	Conform
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Dimensions and weights

Depth	152 mm	Depth (inches)	5.9842 inch
Height	43 mm	Height (inches)	1.6929 inch
Width	60 mm	Width (inches)	2.3622 inch
Net weight	882 g		

Temperatures

Operating temperature	-20 - 90°C
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Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Connection data

Wire connection method	PUSH IN	Conductor O.D., min.	10 mm
Conductor O.D., max.	14 mm	Clamping range, min.	0.14 mm ²
Clamping range, max.	1.5 mm ²	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section AWG, max.	AWG 16	Solid, min. H05(07) V-U	0.14 mm ²
Solid, max. H05(07) V-U	1.5 mm ²	Flexible, min. H05(07) V-K	0.14 mm ²
Flexible, max. H05(07) V-K	1.5 mm ²	w. plastic collar ferrule, DIN 46228 pt 4, 0.28 mm ² min.	
w. plastic collar ferrule, DIN 46228 pt 4, 1 mm ² max.		w. wire end ferrule, DIN 46228 pt 1, min.	0.25 mm ²
w. wire end ferrule, DIN 46228 pt 1, max.	1 mm ²	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 resistance	109 Ω

General technical data

Protection degree	IP68	Plug-in station coding	A-coded
Number of poles	5	Number of contact sockets	8
Connection thread	M12	Pollution severity	3
Fire behaviour	V-0	Plugging cycles	≤ 50
LED	Yes	LED initiator	No
LED colour for indicating operation	green		

Material data

Housing main material	Zinc diecast	Material of distributor	metal
Housing colour	silver	Hood sealing material	Polyurethane foamed

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Screw socket	Nickel-plated CuZn	Contact material	CuZn
Contact surface	Gold-plated	Contact carrier material	PBT (UL 94 V0)

Technical data cable

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

Classifications

ETIM 8.0	EC003558	ETIM 9.0	EC003558
ETIM 10.0	EC003558	ECLASS 14.0	27-44-01-11
ECLASS 15.0	27-44-01-11		

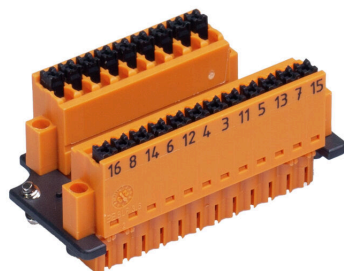
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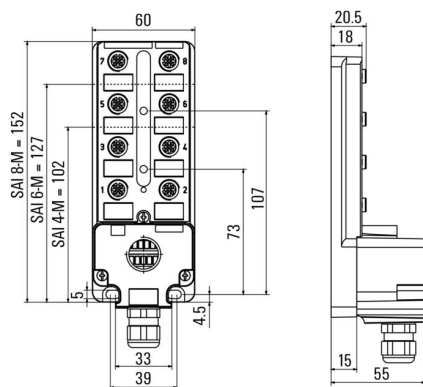
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Drawings

Similar to illustration



Dimensioned drawing



Wiring diagram

