



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

Hood version, M12, 30 V, A-coded, LED: Yes, LED initiator: Yes, Wiring type: PNP
<u>1783540000</u>
SAI-4-MMS 4P M12
4032248184644
1 items
This article will no longer be available in the future.
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SAI-4-MMS 5P M12





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4.0157 inch

1.6929 inch

2.3622 inch

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Technical data

Approvals		
Approvals		
ROHS	Conform	
UL File Number Search	UL Website	
Certificate No. (cURus)	E141197	
Dimensions and weight	s	

Depth (inches)

Height (inches)

Width (inches)

_		
lemi	perature	S

Depth

Height

Width

Net weight

Operating temperature	-20 - 90°C

102 mm

43 mm

60 mm

528.88 g

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	4060c755-8d0b-4d43-bdb3-4ffabe9d7497

Connection data

Conductor O.D., min.	10 mm	Conductor O.D., max.	14 mm	
Cable gland	M 20, EMV	Clamping range, min.	0.08 mm ²	
Clamping range, max.	1.5 mm²	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	4	Number of contact sockets	4
Connection thread	M12	Pollution severity	3
Fire behaviour	V-0	Plugging cycles	≤ 50
LED	Yes	LED initiator	Yes
LED colour for indicating operation	green	LED colour for I/O function	yellow

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 VO)

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Technical data

Technical data cable			
Number of poles	4	Conductor O.D., max.	14 mm
Conductor O.D., min.	10 mm	Suitable for cable carriers	No
Product information			
Product information	Complete continuity of shielded transmission through the distributor housing.		
Important note			
Product information	Complete continuity of shi	elded transmission through the distri	butor housing.
Classifications			
			'
ETIM 6.0	EC002585	ETIM 7.0	EC003558
ETIM 8.0	EC003558	ETIM 9.0	EC003558
ETIM 10.0	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
ECLASS 13.0	27-44-01-11	ECLASS 14.0	27-44-01-11



Drawings

SAI-4-MMS 4P M12



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Dimensioned drawing	Wiring diagram	



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Accessories

M12

Protective caps protect unassigned plug-in stations against external influences.

General ordering data

 Type
 SAI-SK-M12
 Version

 Order No.
 9456050000
 Protected component assemblies, Protective cap

 GTIN (EAN)
 4008190304058

 Qty.
 30 ST

Screwty® cable gland tool with torque function

The ideal tool for any application Screwty® is the ideal, all-purpose tool for tightening all common sensor and actuator cables. Even difficult-to-reach round plugs are accessible using the Screwty®. A simple turning movement tightens and loosens the connectors without the need for excessive force. The Screwty® is a unique and global solution since it fits with most cables and plugs from other vendors (over 90 %). The Screwty® consists of a handle with a conventional 1/4" adapter. Thus it can be used for all sizes: for M12 and M8 round plug-in connectors, and for M12F and M8F customisable plugs and sockets, as well as for all M23 plugs and sockets.

General ordering data

Туре	SCREWTY SET-DM	Version
Order No.	<u>1920000000</u>	Cable gland tool for M8, M12 lines and connectors
GTIN (EAN)	4032248436859	
Qty.	1 ST	

Metal version

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Accessories

General ordering data

Туре SAI-8-MM 5P M12 UT Order No. 1783491000 GTIN (EAN) 4032248296583

Qty.

Hood distributor lower part, M12, 30 V, A-coded, LED: Yes, LED initiator: No, Wiring type: PNP

Blank

ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- · Individual laser-quality printing according to specifications

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Туре	ESG 8/20 K MC NE WS	Version
Order No.	2558360000	ESG, Device markers x 20 mm, PA 66, Colour: white, pluggable
GTIN (EAN)	4050118569070	
Qty.	200 ST	

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