

**SAI Passive
SAI-8-FMM-4P M12 10M**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
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 Germany
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 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

Type	SAI-8-FMM-4P M12 10M
Order No.	9456760002
Version	SAI Passive, Sensor-actuator passive distributor, M12, Fixed cable version, 10 m, No
GTIN (EAN)	4032248256303
Qty.	3 pc(s).

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Technical data
Dimensions and weights

Width	60 mm	Width (inches)	2.362 inch
Height	26.15 mm	Height (inches)	1.03 inch
Depth	152 mm	Depth (inches)	5.984 inch
Net weight	1,607.667 g		

Temperatures

Operating temperature range, max.	90 °C	Operating temperature range, min.	-20 °C
Operating temperature, max.	90 °C	Operating temperature, min.	-20 °C
Operating temperature	-20 - 90°C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Connection data

Sheathing stripping length	100 mm	Distributor outlet	Fixed cable version
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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	9 A	Current per signal	2 A
Electrical isolation available	No	Insulation strength	10 ⁹ Ω

General technical data

Plug-in station coding	A	Protection degree	IP68
Number of poles	4	Number of contact sockets	8
Connection thread	M12	Pollution severity	3
Fire behaviour	V-0	Plugging cycles	≤ 50
LED	No		

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

Cable length	10 m	Suitable for cable carriers	Yes
Number of poles	4	Wire cross section	8 x 0.34 mm ² + 3 x 1.0 mm ²
O.D.	8.2 mm	Shielded	No
Colour coding	white, black, green, yellow, grey, pink, red, violet, blue, brown, Green/yellow	Sheath material	PUR
Sheathing colour	black	Halogen	No
Bending radius, min., moving	10 x cable diameter	Bending cycles	2 Mio

Creation date May 1, 2020 12:54:19 AM CEST

Data sheet

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Classifications

ETIM 6.0	EC002585	ETIM 7.0	EC002585
eClass 9.0	27-44-01-08	eClass 9.1	27-44-01-08
eClass 10.0	27-44-01-08	UNSPSC	30-21-18-01

Approvals

Approvals



ROHS Conform

Downloads

Brochure/Catalogue	CAT 8 SAI 15/16 EN FL FIELDWIRING EN
Engineering Data	WSCAD
Engineering Data	STEP

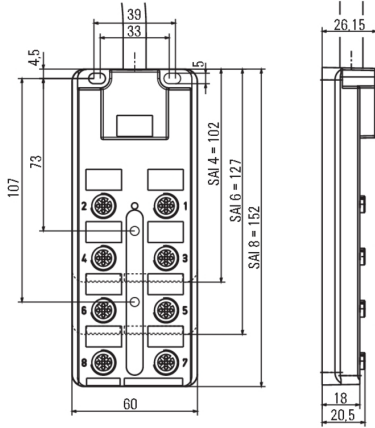
Data sheet

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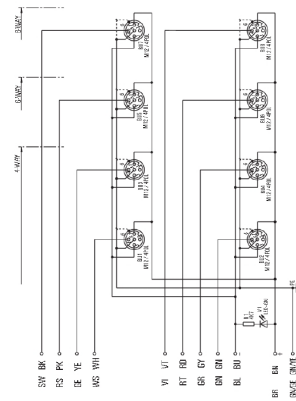
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Drawings

Dimensioned drawing



Wiring diagram



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Accessories

Tool



Tools for stripping the sheathing from uncut power lines and outlet lines, plus screwdrivers for installing Pick-to-Light components.

General ordering data

Type	SCREWTY SET -DM	Version
Order No.	1920000000	Tools, Bolting tool
GTIN (EAN)	4032248436859	
Qty.	1 pc(s).	

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 pc(s).	

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Accessories

Neutral



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 the following manufacturers:

- Siemens
- Télémecanique
- ABB
- Beckhoff
- Lumberg
- Tags for all-purpose usage; self-adhesive or clip-on tags, depending on the type

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.

Please note that these markers are not intended for printing with the SpeedMarking laser.

General ordering data

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