

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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="#">1783520000</a>
Type	SAI-4-MMS 5P M12
GTIN (EAN)	4032248184620
Qty.	1 pc(s).

## SAI-4-MMS 5P M12

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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	603 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
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
Connection type PE	Screw connection		

## 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	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

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		

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## Technical data

### Approvals

Approvals



ROHS	Conform
UL File Number Search	E141197

### Downloads

Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a> <a href="#">FL FIELDWIRING EN</a>

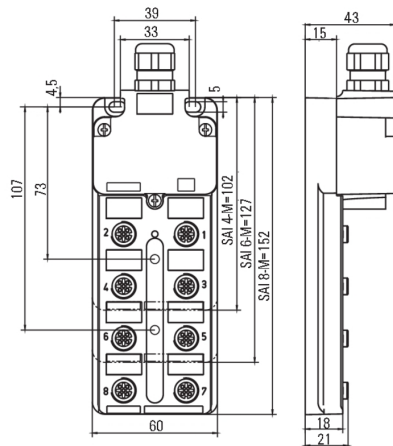
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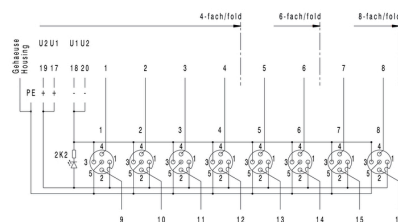
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# Drawings

## 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.	<a href="#">9456050000</a>	Protected component assemblies, Protective cap
GTIN (EAN)	4008190304058	
Qty.	30 pc(s).	

## 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

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

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## Accessories

## 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

Type	SCREWTY SET -DM	Version
Order No.	<a href="#">1920000000</a>	Bolting tool
GTIN (EAN)	4032248436859	
Qty.	1 pc(s).	

## SAI-4/8-MM 5P



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- standard fixing dimensions.

## General ordering data

Type	SAI-8-MM 5P M12 UT	Version
Order No.	<a href="#">1783491000</a>	SAI Passive, Sensor-actuator passive distributor, M12, Hood version,
GTIN (EAN)	4032248296583	Yes
Qty.	2 pc(s).	

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[1783520000](#)