

**SAI Passive
SAI-8-M 5P M12****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



M12 distributors are available in various versions. The 4, 6 or 8 M12 slots are in 4 or 5 pole design. The group outlet is designed as a fixed cable version, hood version for connection by the user, or with M23. Special versions are also available. For instance, there are 1-to-1 distributors for use with any connection types, or distributors approved for Ex Zone 1.

General ordering data

Type	SAI-8-M 5P M12
Order No.	1701250000
Version	SAI Passive, Sensor-actuator passive distributor, M12, Hood version, Yes
GTIN (EAN)	4008190949761
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Length	152 mm	Length (inches)	5.984 inch
Net weight	278 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		

Standards

Certificate No. (CSA)	53975-21	Certificate No. (cURus)	E 14 1197
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General data

Connection type PE	Screw connection	Number of contact sockets	8
Fire behaviour	V-0	connection thread	M12
No. of poles	5	Storage space	Standard
Protection degree	IP68	Plugging cycles	≤ 50
Pollution severity	3	Cable gland	M 20
Distributor outlet	Hood version	Insulation resistance	10 ⁹ Ω
Rated voltage , max.	30 V	Rated voltage , min.	10 V
Electrical isolation available	Yes	Test voltage	1 kV
Current per signal	2 A	Total current	10 A
Max. current-carrying capacity per slot	4 A	Housing main material	Pocan
Housing colour	grey, RAL 7032	Screw socket	CuZn, nickel-plated
Hood sealing material	Viton	Contact material	CuZn
Contact surface	Gold-plated	Contact carrier material	PBT (UL 94 V0)
Sheathing stripping length	100 mm	Clamping range, max.	1.5 mm ²
Clamping range, min.	0.08 mm ²	Conductor O.D.	6 - 12mm
Conductor O.D., max.	12 mm	Conductor O.D., min.	6 mm
LED initiator	Yes	LED	Yes
LED colour for indicating operation	green	LED colour for I/O function	yellow

Classifications

ETIM 3.0	EC001856	ETIM 4.0	EC002585
ETIM 5.0	EC002585	ETIM 6.0	EC002585
UNSPSC	30-21-18-01	eClass 6.2	27-06-91-90
eClass 7.1	27-06-91-90	eClass 8.1	27-06-91-90
eClass 9.0	27-06-91-90	eClass 9.1	27-44-01-08

Approvals

Approvals



ROHS

Conform

Data sheet**SAI Passive
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Technical data**Downloads**

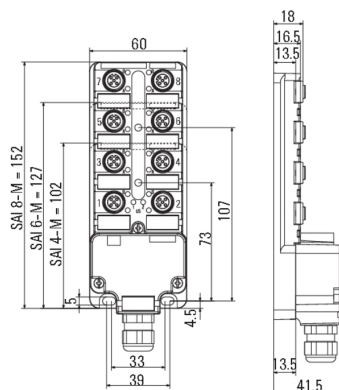
Brochure/Catalogue	CAT 8 SAI 15/16 EN FL FIELDWIRING EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S

SAI Passive SAI-8-M 5P M12

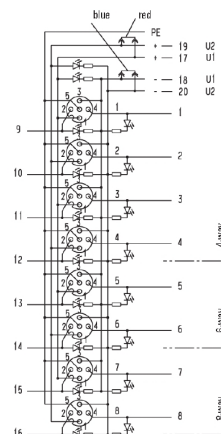
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Drawings

Dimensioned drawing



Wiring diagram



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Accessories

M12



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
SAI-SK-M12	9456050000	Protected component assemblies, Protective cap	4008190304058	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 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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ESG 9/20 MC	1609940000	ESG, Device markers x 9 mm, PA 66, Colour: White, pluggable	4008190203528	200 pc(s).
NE WS				

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