

**SAI-6-MH-5P M12****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

Cable gland: M25 for cables with an outer insulation diameter from 13 mm to 18 mm. The SAI distributor with M25 cable gland is suitable among others for the following cable types:

- 21 x 0.50 mm
- 18 x 0.75 mm bis 21 x 0.75 mm
- 14 x 100 mm bis 20 x 100 mm
- 8 x 1.50 mm bis 16 x 1.50 mm

**General ordering data**

Version	Hood version with M20 outlet, M12, 30 V, A-coded, LED: Yes, LED initiator: Yes, Wiring type: PNP
Order No.	<a href="#">1701242000</a>
Type	SAI-6-MH-5P M12
GTIN (EAN)	4032248184484
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Depth	127 mm	Depth (inches)	5 inch
Height	55 mm	Height (inches)	2.165 inch
Width	60 mm	Width (inches)	2.362 inch
Net weight	525 g		

## Temperatures

Operating temperature	-20 - 90°C
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## Connection data

Conductor O.D., min.	10 mm	Conductor O.D., max.	14 mm
Cable glands	M 20	Clamping range, min.	0.08 mm <sup>2</sup>
Clamping range, max.	1.5 mm <sup>2</sup>	Storage space	gross
Distributor outlet	Hood version with M20 outlet		

## 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-coded	Protection degree	IP68
Number of poles	5	Number of contact sockets	6
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	Pocan (base module), Zinc diecast (hood)	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	ETIM 9.0	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		

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Environmental Product Compliance**

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

**Approvals**

ROHS	Conform
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**Downloads**

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

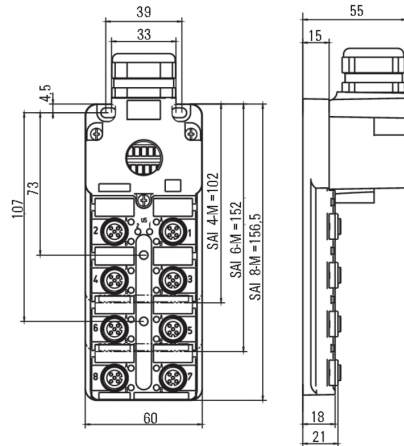
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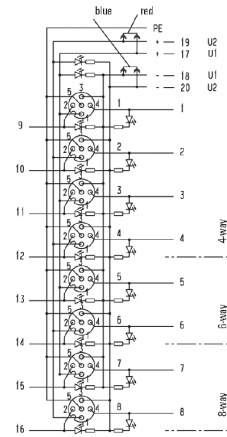
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# Drawings

## Dimensioned drawing



## Wiring diagram



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## Accessories

## 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	Packaging
Order No.	<a href="#">1920000000</a>	Cable gland tool for M8, M12 lines and connectors	Cardboard
GTIN (EAN)	4032248436859		box
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.	<a href="#">9456050000</a>	Protected component assemblies, Protective cap
GTIN (EAN)	4008190304058	
Qty.	30 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****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).	