

**SAI Passive**  
**SAI-8-F 4P IDC PUR 5M****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



- The compact IDC system cuts production, installation and maintenance work.
- Knurled metal nuts ensure sturdy, secure handling with little effort.
- The IDC distributors have the same dimensions as the standard SAI distributors. They are compatible with the standard SAI distributors.
- 3-pole version with 1 I/O signal per slot and 4-pole version with 2 I/O signals per slot,
- individual assembly of the sensor/actuator cables on the spot,
- reliable and fast connection thanks to IDC connecting element,
- IP67 class of protection.

**General ordering data**

Type	SAI-8-F 4P IDC PUR 5M
Order No.	<a href="#">1766700000</a>
Version	SAI Passive, Sensor-actuator passive distributor, IDC, M12, Fixed cable version, 5 m, Yes
GTIN (EAN)	4032248107407
Qty.	1 pc(s).

Creation date May 3, 2020 11:32:57 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

Width	60 mm	Width (inches)	2.362 inch
Height	25 mm	Height (inches)	0.984 inch
Depth	152 mm	Depth (inches)	5.984 inch
Net weight	751 g		

**Temperatures**

Operating temperature range, max.	80 °C	Operating temperature range, min.	-20 °C
Operating temperature, max.	80 °C	Operating temperature, min.	-20 °C
Operating temperature	-20 - 80°C		

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
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**Connection data**

Conductor O.D., min.	1.2 mm	Conductor O.D., max.	1.6 mm
Sheathing stripping length	15 mm	max. connection of equal cross-section	10
Distributor outlet	Fixed cable version		

**Standards**

Certificate No. (cURus)	E141197
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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 <sup>9</sup> Ω

**General technical data**

Plug-in station coding	A	Protection degree	IP67
Number of poles	4	Number of contact sockets	8
Connection thread	M12	Pollution severity	2
Fire behaviour	V-0	LED	Yes
LED initiator	Yes	LED colour for indicating operation	green
LED colour for I/O function	yellow		

**Material data**

Housing main material	Pocan	Material of distributor	Plastic
Housing colour	grey, RAL 7032	Screw socket	Nickel-plated CuZn
Contact material	CuZn	Contact surface	Gold-plated
Contact carrier material	PBT (UL 94 V0)		

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**Technical data****Technical data cable**

Cable length	5 m	Suitable for cable carriers	Yes
Number of poles	4	Wire cross section	16 x 0.34 mm <sup>2</sup> + 2 x 0.75 mm <sup>2</sup>
O.D.	8.5 mm	Shielded	No
Colour coding	blue, brown, white, green, yellow, grey, pink, red, black, violet, red / blue, grey / pink, white / green, brown / green, white / yellow, Yellow / brown, white / grey, grey / brown	Sheath material	PUR
Sheathing colour	black	Halogen	No
Bending radius, min., moving	10 x cable diameter	Bending cycles	2 Mio
Conductor O.D., min.	1.2 mm	Conductor O.D., max.	1.6 mm

**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	<a href="#">CAT 8 SAI 15/16 EN</a> <a href="#">FL FIELDWIRING EN</a>
Engineering Data	<a href="#">WSCAD</a>
Engineering Data	<a href="#">STEP</a>

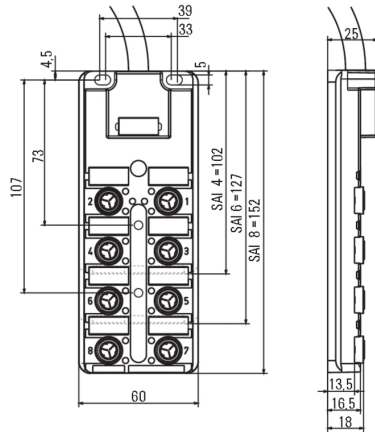
**Data sheet**

**SAI Passive  
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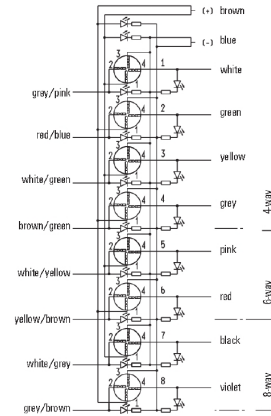
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**Drawings**

**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).	

**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.	<a href="#">1920000000</a>	Tools, Bolting tool
GTIN (EAN)	4032248436859	
Qty.	1 pc(s).	

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**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 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 9/20 MC NE WS	Version
Order No.	<a href="#">1609940000</a>	ESG, Device markers x 20 mm, PA 66, Colour: white, pluggable
GTIN (EAN)	4008190203528	
Qty.	200 pc(s).	