

**SAI-6-F 4P PUR 5M****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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**

Version	Fixed cable version, M12, 30 V, A-coded, LED: Yes, LED initiator: Yes, Wiring type: PNP, 5 m
Order No.	<a href="#">9456470000</a>
Type	SAI-6-F 4P PUR 5M
GTIN (EAN)	4008 19030446 1
Qty.	1 items

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E141197

## Dimensions and weights

Depth	127 mm	Depth (inches)	5 inch
Height	25 mm	Height (inches)	0.9842 inch
Width	60 mm	Width (inches)	2.3622 inch
Net weight	582 g		

## Temperatures

Operating temperature -20 - 80°C

## Environmental Product Compliance

RoHS Compliance Status Compliant without exemption

REACH SVHC No SVHC above 0.1 wt%

## Connection data

Sheathing stripping length 100 mm Distributor outlet Fixed cable version

## 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 resistance	109 Ω

## General technical data

Protection degree	IP68	Plug-in station coding	A-coded
Number of poles	4	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	Material of distributor	Plastic
Housing colour	grey, RAL 7032	Hood sealing material	Viton
Screw socket	Nickel-plated CuZn	Contact material	CuZn
Contact surface	Gold-plated	Contact carrier material	PBT (UL 94 V0)

## Technical data cable

Number of poles	4	Sheathing colour	black
O.D.	7.8 mm	Shielded	No

Creation date 25.02.2026 04:48:06 MEZ

Catalogue status / Drawings

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## Technical data

Halogen	No	Bending radius, min., moving	10 x cable diameter
Bending cycles	2 Mio	Wire cross section (Print/Online)	6 x 0.34 mm <sup>2</sup> + 3 x 1.0 mm <sup>2</sup>
Sheath material	PUR	Colour coding	white, green, yellow, grey, pink, red, blue, brown, Green/yellow
Cable length	5 m	Suitable for cable carriers	Yes

## Classifications

ETIM 8.0	EC002585	ETIM 9.0	EC002585
ETIM 10.0	EC002585	ECLASS 14.0	27-44-01-08
ECLASS 15.0	27-44-01-08		

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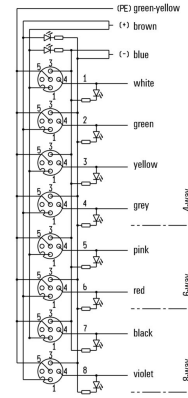
Drawings

www.weidmueller.com

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 ST		

## 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>	Cable gland tool for M8, M12 lines and connectors	
GTIN (EAN)	4032248436859		
Qty.	1 ST		

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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 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 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 ST		