

SAI-8-M 4P M12 EX IA

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com



Passive M12 distributors are available in all conceivable forms and configurations. Furthermore, a number of special versions, e.g. SAI distributors for EX zones or the ergonomic M8, are available only from Weidmüller. These innovative products are backed up by numerous proprietary rights.

General ordering data

Version	Hood version Ex, M12, 30 V, A-coded, LED: Yes, LED initiator: , Wiring type:
Order No.	1896080000
Type	SAI-8-M 4P M12 EX IA
GTIN (EAN)	4032248511037
Qty.	1 items
Delivery status	Discontinued
Available until	2024-06-29T00:00:00+02:00
Alternative product	SAI-08D-VPPP-5A-M12O-OL2-EX

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Technical data

Approvals

Approvals



ATEX - KEMA

ROHS

Conform

Dimensions and weights

Net weight

276 g

Temperatures

Operating temperature

-20 - 80

Environmental Product Compliance

RoHS Compliance Status

Compliant without exemption

REACH SVHC

No SVHC above 0.1 wt%

Connection data

Clamping range, min.

0.1 mm²

Clamping range, max.

1.5 mm²

Storage space

Standard

Distributor outlet

Hood version Ex

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

100 mA

Total current

2.3 A

Current per signal

100 mA

Insulation resistance

109 Ω

General technical data

Protection degree

IP68

Plug-in station coding

A-coded

Number of poles

4

Number of contact sockets

8

Connection thread

M12

Pollution severity

3

Fire behaviour

V-0

Plugging cycles

≤ 50

LED

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)

Classifications

ETIM 8.0

EC003558

ETIM 9.0

EC003558

ETIM 10.0

EC003558

ECLASS 14.0

27-44-01-11

ECLASS 15.0

27-44-01-11

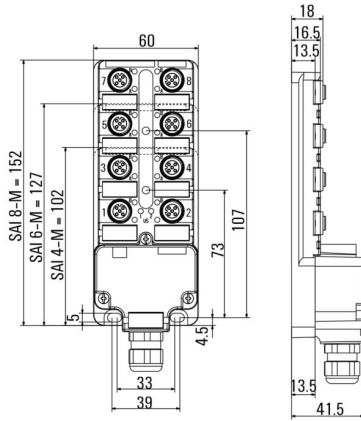
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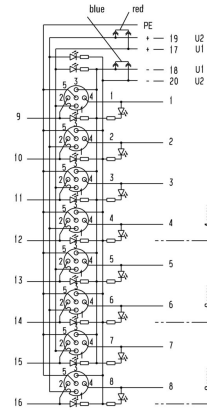
Drawings

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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.	9456050000	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.	1920000000	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.	1609940000		ESG, Device markers x 20 mm, PA 66, Colour: white, pluggable
GTIN (EAN)	4008190203528		
Qty.	200 ST		