

SAI-8-M 5P 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: Yes, Wiring type:
Order No.	1896090000
Type	SAI-8-M 5P M12 EX IA
GTIN (EAN)	4032248511044
Qty.	1 pc(s).
Delivery status	Discontinued
Available until	2024-06-29
Alternative product	2902930000

Creation date June 13, 2025 8:02:00 AM CEST

Catalogue status 07.06.2025 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Net weight	289 g
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Temperatures

Operating temperature	-20 - 40°C
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Connection data

Clamping range, min.	0.1 mm ²	Clamping range, max.	1.5 mm ²
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 strength	10 ⁹ Ω		

General technical data

Plug-in station coding	A-coded	Protection degree	IP68
Number of poles	5	Number of contact sockets	8
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)

Classifications

ETIM 6.0	EC002585	ETIM 7.0	EC003558
ETIM 8.0	EC003558	ETIM 9.0	EC003558
ETIM 10.0	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
ECLASS 15.0	27-44-01-11		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

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Approvals



Approvals MAMID

https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319243/-T1z1mm-S800/

ROHS

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Engineering Data

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Drawings

Dimensioned drawing



Wiring diagram

