

SAI-8-F 5P NPN-PNP 5M**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	Sensor-actuator passive distributor, M12, Fixed cable version, 5 m, Yes
Order No.	1814990000
Type	SAI-8-F 5P NPN-PNP 5M
GTIN (EAN)	4032248303151
Qty.	1 pc(s).

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Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	152 mm	Depth (inches)	5.984 inch
Height	25 mm	Height (inches)	0.984 inch
Net weight	715 g		

Temperatures

Operating temperature	0 - 50°C	Operating temperature, min.	0 °C
Operating temperature, max.	50 °C		

Connection data

Distributor outlet	Fixed cable version
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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
Insulation strength	10 ⁹ Ω		

General technical data

Plug-in station coding	A	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)

Technical data cable

Bending cycles	2 Mio	Bending radius, min., moving	10 x cable diameter
Colour coding	white, black, red, pink, violet, yellow, green, grey, blue, brown, Green/yellow	Halogen	No
Number of poles	5	O.D.	8.2 mm
Sheath material	PUR	Sheathing colour	black
Shielded	No	Wire cross section (Print/Online)	8 x 0.34 mm ² + 3 x 1.0 mm ²
Cable length	5 m	Suitable for cable carriers	Yes

Classifications

ETIM 6.0	EC002585	ETIM 7.0	EC002585
ETIM 8.0	EC002585	ECLASS 9.0	27-44-01-08
ECLASS 9.1	27-44-01-08	ECLASS 10.0	27-44-01-08
ECLASS 11.0	27-44-01-08	ECLASS 12.0	27-44-01-08

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Technical data

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Approvals

Approvals



ROHS Conform

Downloads

Engineering Data	CAD data – STEP
Engineering Data	WSCAD
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN FL FIELDWIRING EN

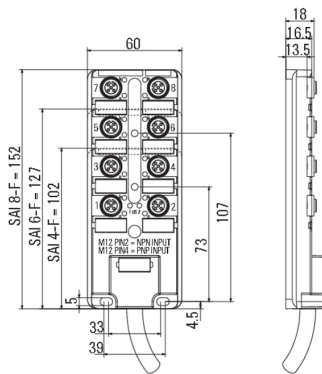
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Drawings

Dimensioned drawing



Wiring diagram

