

SAI-6-M 4P IDC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	SAI Passive, Sensor-actuator passive distributor, IDC, M12, Hood version, Yes
Order No.	1766790000
Type	SAI-6-M 4P IDC
GTIN (EAN)	4032248107322
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	127 mm	Depth (inches)	5 inch
Height	41.5 mm	Height (inches)	1.634 inch
Width	60 mm	Width (inches)	2.362 inch
Net weight	240 g		

Temperatures

Operating temperature	-20 - 90°C	Operating temperature, min.	-20 °C
Operating temperature, max.	90 °C		

Connection data

Conductor O.D., min.	1.2 mm	Conductor O.D., max.	1.6 mm
Clamping range, min.	0.08 mm ²	Clamping range, max.	1.5 mm ²
max. connection of equal cross-section	10	Storage space	Standard
Distributor outlet	Hood version	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	4 A
Total current	10 A	Current per signal	2 A
Electrical isolation available	Yes	Insulation strength	10 ⁹ Ω

General technical data

Plug-in station coding	A	Protection degree	IP67
Number of poles	4	Number of contact sockets	6
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	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

Conductor O.D., max.	1.6 mm	Conductor O.D., min.	1.2 mm
Number of poles	4	Suitable for cable carriers	No

Classifications

ETIM 6.0	EC002585	ETIM 7.0	EC003558
ETIM 8.0	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

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Technical data

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E141197

Downloads

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

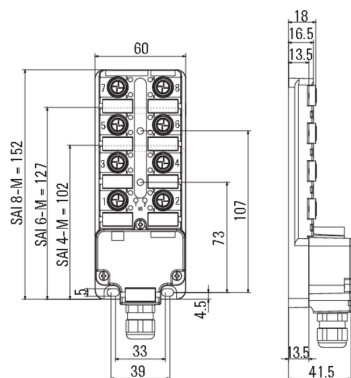
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Drawings

Dimensioned drawing



Wiring diagram

