SAI-6-M 4P IDC

Weidmüller Interface GmbH & Co. KG

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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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SAI-6-M 4P IDC

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	

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1	

Connection data

Conductor O.D., min.	1.2 mm		Conductor O.D., max.	1.6 mm
Clamping range, min.	0.08 mm²		Clamping range, max.	1.5 mm²
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			

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	E141197

Downloads

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

SAI-6-M 4P IDC

Drawings

Dimensioned drawing
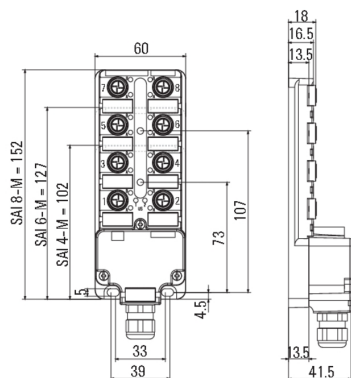
Wiring diagram
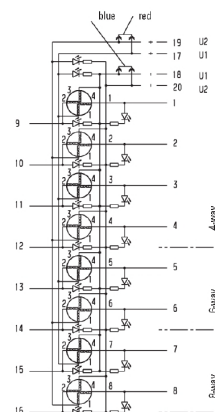
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Catalogue status 14.01.2022 / We reserve the right to make technical changes.

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SAI-6-M 4P IDC

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 pc(s).		

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 pc(s).		

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Accessories

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	Bolting tool	
GTIN (EAN)	4032248436859		
Qty.	1 pc(s).		

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Mouser Electronics

Authorized Distributor

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  [1766790000](#)