

**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.	<a href="#">1766790000</a>
Type	SAI-6-M 4P IDC
GTIN (EAN)	4032248107322
Qty.	1 pc(s).

Creation date December 14, 2022 12:48:59 PM CET

Catalogue status 02.12.2022 / We reserve the right to make technical changes.

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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
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## Connection data

Conductor O.D., min.	1.2 mm	Conductor O.D., max.	1.6 mm
Clamping range, min.	0.08 mm <sup>2</sup>	Clamping range, max.	1.5 mm <sup>2</sup>
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 <sup>9</sup> 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

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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**Data sheet****SAI-6-M 4P IDC**

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**Technical data****Approvals**

Approvals



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

**Downloads**

Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a> <a href="#">FL FIELDWIRING EN</a>

**Data sheet**

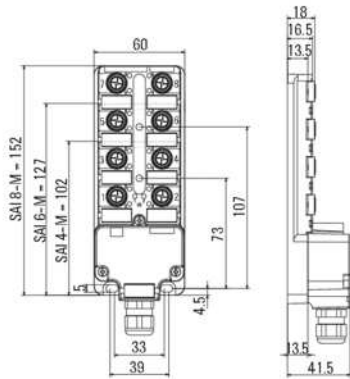
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**Drawings**

**Dimensioned drawing**



**Wiring diagram**

