

**SAI-6-F 4P IDC PUR 5M****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, Fixed cable version, 5 m, Yes
Order No.	<a href="#">1766680000</a>
Type	SAI-6-F 4P IDC PUR 5M
GTIN (EAN)	4032248107391
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	127 mm	Depth (inches)	5 inch
Height	25 mm	Height (inches)	0.984 inch
Width	60 mm	Width (inches)	2.362 inch
Net weight	618 g		

**Temperatures**

Operating temperature	-20 - 80°C	Operating temperature, min.	-20 °C
Operating temperature, max.	80 °C		

**Connection data**

Conductor O.D., min.	1.2 mm	Conductor O.D., max.	1.6 mm
Sheathing stripping length	15 mm	max. connection of equal cross-section	10
Distributor outlet	Fixed cable version		

**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	9 A	Current per signal	2 A
Electrical isolation available	No	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	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, white / yellow, white / green, green, yellow, grey, pink, red, grey / pink, brown / green, Yellow / brown, blue, brown	Conductor O.D., max.	1.6 mm
Conductor O.D., min.	1.2 mm	Halogen	No
Number of poles	4	O.D.	7.7 mm
Sheath material	PUR	Sheathing colour	black
Shielded	No	Wire cross section (Print/Online)	12 x 0.34 mm <sup>2</sup> + 2 x 0.75 mm <sup>2</sup>
Cable length	5 m	Suitable for cable carriers	Yes

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**Technical data****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

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**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>

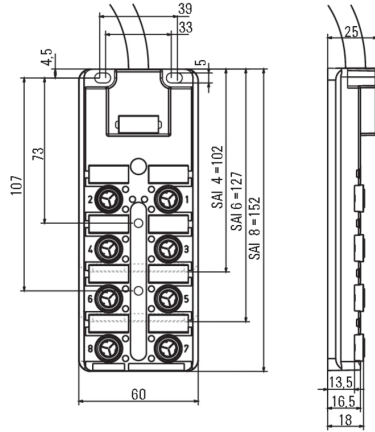
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**Drawings**

**Dimensioned drawing**



**Wiring diagram**

