

SAI-6-F 4P IDC PUR 5M**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, Fixed cable version, 5 m, Yes
Order No.	1766680000
Type	SAI-6-F 4P IDC PUR 5M
GTIN (EAN)	4032248107391
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	127 mm	Depth (inches)	5 inch
Height	25 mm	Height (inches)	0.984 inch
Net weight	618 g	Width	60 mm
Width (inches)	2.362 inch		

Temperatures

Operating temperature	-20 - 80°C
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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 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	Screw socket	Nickel-plated CuZn
Contact material	CuZn	Contact surface	Gold-plated
Contact carrier material	PBT (UL 94 V0)		

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Technical data

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	12 x 0.34 mm ² + 2 x 0.75 mm ²
Cable length	5 m	Suitable for cable carriers	Yes

Classifications

ETIM 6.0	EC002585	ETIM 7.0	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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E141197

Downloads

Engineering Data	STEP
Engineering Data	WSCAD

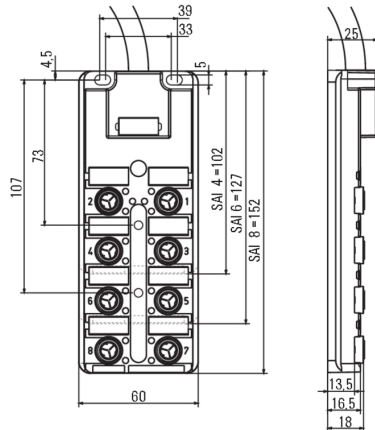
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Drawings

Dimensioned drawing



Wiring diagram

