

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	Fixed cable version, IDC, M12, 30 V, A-coded, LED: Yes, LED initiator: Yes, Wiring type: PNP, 5 m
Order No.	1766680000
Type	SAI-6-F 4P IDC PUR 5M
GTIN (EAN)	4032248107391
Qty.	1 items
Delivery status	Discontinued
Last order date	2025-12-30T00:00:00+01:00

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Technical data

Approvals

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ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E141197

Dimensions and weights

Depth	127 mm	Depth (inches)	5 inch
Height	25 mm	Height (inches)	0.9842 inch
Width	60 mm	Width (inches)	2.3622 inch
Net weight	618 g		

Temperatures

Operating temperature -20 - 80°C

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1
SCIP	4060c755-8d0b-4d43-bdb3-4ffabe9d7497

Connection data

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

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 resistance	109 Ω

General technical data

Protection degree	IP67	Plug-in station coding	A-coded
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 cable

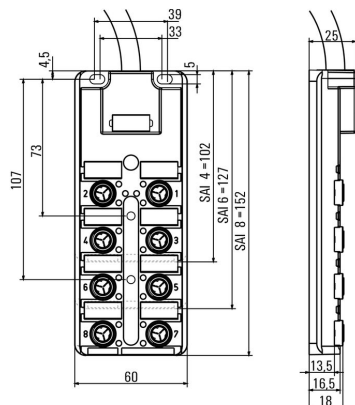
Number of poles	4	Sheathing colour	black
O.D.	7.7 mm	Shielded	No
Halogen	No	Conductor O.D., min.	1.2 mm
Bending radius, min., moving	10 x cable diameter	Bending cycles	2 Mio
Wire cross section (Print/Online)	12 x 0.34 mm ² + 2 x 0.75 mm ²	Sheath material	PUR
Colour coding	white, white / yellow, white / green, green, yellow, grey, pink, red, grey / pink, brown / green, Yellow / brown, blue, brown	Cable length	5 m
Suitable for cable carriers	Yes		

Classifications

ETIM 8.0	EC002585	ETIM 9.0	EC002585
ETIM 10.0	EC002585	ECLASS 14.0	27-44-01-08
ECLASS 15.0	27-44-01-08		

Drawings

Dimensioned drawing



Wiring diagram

