

SAI-4-F 4P PUR 3M**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

M12 distributors are available in various versions. The 4, 6 or 8 M12 slots are in 4 or 5 pole design. The group outlet is designed as a fixed cable version, hood version for connection by the user, or with M23. Special versions are also available. For instance, there are 1-to-1 distributors for use with any connection types, or distributors approved for Ex Zone 1.

General ordering data

Version	Fixed cable version, M12, 30 V, A-coded, LED: Yes, LED initiator: Yes, Wiring type: PNP, 3 m
Order No.	9456180000
Type	SAI-4-F 4P PUR 3M
GTIN (EAN)	4008190304171
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Last order date	2025-12-30T00:00:00+01:00
Alternative product	SAI-4-F 4P PUR 5M

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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	102 mm	Depth (inches)	4.0157 inch
Height	25 mm	Height (inches)	0.9842 inch
Width	60 mm	Width (inches)	2.3622 inch
Net weight	326.48 g		

Temperatures

Operating temperature	-20 - 80°C
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Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Connection data

Sheathing stripping length	100 mm	Distributor outlet	Fixed cable version
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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	IP68	Plug-in station coding	A-coded
Number of poles	4	Number of contact sockets	4
Connection thread	M12	Pollution severity	3
Fire behaviour	V-0	Plugging cycles	≤ 50
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

Number of poles	4	Sheathing colour	black
O.D.	7.5 mm	Shielded	No

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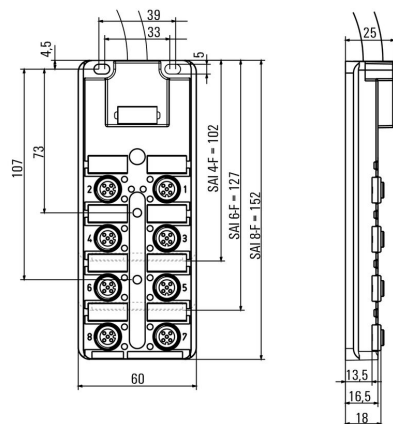
Halogen	No	Bending radius, min., moving	10 x cable diameter
Bending cycles	2 Mio	Wire cross section (Print/Online)	4 x 0.34 mm ² + 3 x 1.0 mm ²
Sheath material	PUR	Colour coding	white, grey, green, yellow, blue, brown, Green/yellow
Cable length	3 m	Suitable for cable carriers	Yes

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

