Data sheet

SAIBGI-P-4A-2.9/5.1-M12

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



Individual cable lengths are often required nowadays. In order to meet these demands, Weidmüller offers a wide range of plug-in connectors for custom assembly.
Male plugs and female socket for customisable assembly for M8, M12, M16 and 7/8" connections which are highly robust and ideally suited to machine engineering, for instance. The M12 plug-in connectors offer a choice of 5 different connection systems.
The IDC is simple and quick to assemble since this technology allows the conductor to be inserted directly into the terminal point, without crimping or having to strip the insulation. It also has excellent functional security.

General ordering data

Version	Field attachable connector, M12
Order No.	1781540001
Type	SAIBGI-P-4A-2.9/5.1-M12
GTIN (EAN)	4032248430017
Qty.	1 items

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Width	15.3 mm	Width (inches)	0.6024 inch
Diameter	15.3 mm	Net weight	19.36 g

Environmental Product Compliance

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

Technical data customisable plug-in connectors

Number of poles	4	Coding	A-coded
Contact surface	tinned	LED	No
Assignment	Pin 1 - 4	Type of connection	Insulation displacement connection
Housing main material	CuZn	Insulation resistance	108 Ω
Cable diameter, max.	5.1 mm	Cable diameter, min.	2.9 mm
Conductor cross-section, max.	0.34 mm²	Conductor cross-section, min.	0.14 mm²
Nominal voltage	32 V	Nominal current	4 A
Protection degree	IP67	Plugging cycles	≥ 50
Pollution severity	3	Gender of contact	Female
Shield connection	No	Threaded ring material	Diecast zinc
Temperature range of housing	-25...+85 °C		

General Info

Number of poles	4	Connection 1	M12
Connection 2	IDC	Description of article	SAIS IDC / SAIB IDC
Housing main material	CuZn	Connection thread	M12
Contact surface	tinned	Wire connection cross section, finely stranded, min.	0.14 mm²
Wire connection cross-section, finely stranded, max.	0.34 mm²	Protection degree	IP67
Plugging cycles	≥ 50		

Standards

Connector standard	IEC 61076-2-101

Classifications

ETIM 8.0	EC002635	ETIM 9.0	EC002635
ETIM 10.0	EC002635	ECLASS 14.0	27-44-01-16
ECLASS 15.0	27-44-01-16		

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Drawings

Pole scheme

