Data sheet

SAIBGI-P-3A-5.5/8-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.	1852730000
Type	SAIBGI-P-3A-5.5/8-M12
GTIN (EAN)	4032248386857
Qty.	1 items

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Diameter	20.5 mm	Net weight	32.56 g

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1
SCIP	ebf89fc8-a87f-4691-b87a-dfb9921774b4

Technical data customisable plug-in connectors

Number of poles	3	Coding	A-coded
Contact surface	tinned	LED	No
Assignment	Pin 3, Pin 4, Pin 5	Type of connection	Insulation displacement connection
Housing main material	CuZn	Insulation resistance	108 Ω
Cable diameter, max.	8 mm	Cable diameter, min.	5.5 mm
Contact material	Copper alloy	Conductor cross-section, max.	0.75 mm²
Conductor cross-section, min.	0.34 mm²	Nominal voltage	50 V
Nominal current	6 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	3	Connection 1	M12
Connection 2	IDC	Description of article	SAIS / B IDC (0.75)
UL 94 flammability rating	V-0	Housing main material	CuZn
Connection thread	M12	Contact material	Copper alloy
Contact surface	tinned	Wire connection cross section, finely stranded, min.	0.34 mm²
Wire connection cross-section, finely stranded, max.	0.75 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

