

**SAI-SA-3-IDC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, pin, straight
Order No.	<a href="#">9457720000</a>
Type	SAI-SA-3-IDC
GTIN (EAN)	4032248154869
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

Net weight 13.3 g

**Technical data customisable plug-in connectors**

Cable diameter	4...5.1 mm	Cable diameter, max.	5.1 mm
Cable diameter, min.	4 mm	Coding	none
Conductor cross-section, max.	0.5 mm <sup>2</sup>	Conductor cross-section, min.	0.25 mm <sup>2</sup>
Connection cross-section, max.	0.5 mm <sup>2</sup>	Connection cross-section, min.	0.25 mm <sup>2</sup>
Contact surface	tinned	Housing main material	CuZn
Insulation strength	10 <sup>8</sup> Ω	Number of poles	3
Plugging cycles	≥ 50	Pollution severity	3
Protection degree	IP67	Rated current	4 A
Rated voltage	32 V	Shield connection	No
Temperature range of housing	-25...+85 °C	Threaded ring material	Diecast zinc
Type of connection	Insulation displacement connection		

**General Info**

Number of poles	3	Connection 1	M12
Connection 2	IDC	Description of article	SAIS IDC / SAIB IDC
Housing main material	CuZn	Connection thread	M12
Contact surface	tinned	Protection degree	IP67
Plugging cycles	≥ 50		

**Classifications**

ETIM 6.0	EC002635	ETIM 7.0	EC002635
ETIM 8.0	EC002635	ETIM 9.0	EC002635
ECLASS 9.0	27-44-01-02	ECLASS 9.1	27-44-01-03
ECLASS 10.0	27-44-01-02	ECLASS 11.0	27-44-01-02
ECLASS 12.0	27-44-01-16	ECLASS 13.0	27-44-01-02

**Environmental Product Compliance**

REACH SVHC /

**Approvals**

ROHS Conform

**Downloads**

Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Manual</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a> <a href="#">FL FIELDWIRING EN</a>