

SAIS-5/7

Weidmüller Interfaces GmbH & Co. KG

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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 screw connection can be used in a wide range of applications. With this technology the conductor, optionally with wire-end ferrules, can be plugged into connection elements and secured with a screw. It is the classic, cheapest form of connection technology that also supports multi-conductor connections.

General ordering data

Version	Field attachable connector, M12, pin, straight
Order No.	9456940000
Type	SAIS-5/7
GTIN (EAN)	4008190304935
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Net weight	23 g	www.weidmueller.com
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Temperatures

Operating temperature, min.	-40 °C	Operating temperature, max.	85 °C
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Technical data customisable plug-in connectors

Cable diameter	4...6 mm (PG7)/ 6...8 mm (PG9)	Cable diameter, max.	6 mm
Cable diameter, min.	4 mm	Coding	A
Conductor cross-section, max.	0.75 mm ²	Conductor cross-section, min.	0.14 mm ²
Connection cross-section, max.	0.75 mm ²	Connection cross-section, min.	0.14 mm ²
Contact surface	CuSnZn	Contact surface	CuSnZn (5-pole) / gold plated (8-pole)
Housing main material	PA	Insulation strength	10 ⁸ Ω
Number of poles	5	Plugging cycles	≥ 50
Pollution severity	3	Protection degree	IP67
Rated current	4 A	Rated voltage	60 V
Rated voltage	250 V (4-pole) / 60 V (5-pole) / 30 V (8-pole)	Shield connection	No
Temperature range of housing	-40 ... +85 °C	Threaded ring material	Diecast zinc
Type of connection	Screw connection		

General Info

Number of poles	5	Connection 1	M12
Connection 2	Screw	Description of article	SAIS / SAIB
Housing main material	PA	Connection thread	M12
Contact surface	CuSnZn	Protection degree	IP67
Plugging cycles	≥ 50		

Standards

Connector standard	IEC 61076-2-101
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Classifications

ETIM 6.0	EC002635	ETIM 7.0	EC002635
ETIM 8.0	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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1 Imidazolidine-2-thione 96-45-7
SCIP	bcee35cf-c0f5-43d2-8daf-65ab0d08641a

Data sheet**SAIS-5/7****Weidmüller Interfaces GmbH & Co. KG**

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Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E307231

Downloads

Engineering Data	CAD data – STEP
Engineering Data	WSCAD, Zuken E3.S
User Documentation	Manual
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN FL FIELDWIRING EN

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Drawings

Pole scheme

