

**SAIS-5/9****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 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	Plugs prefabricated to customer spec., M12, pin, straight
Order No.	<a href="#">1807350000</a>
Type	SAIS-5/9
GTIN (EAN)	4032248278572
Qty.	1 pc(s).

Creation date January 14, 2022 2:42:09 AM CET

Catalogue status 17.12.2021 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Net weight 24 g

## Environmental Product Compliance

REACH SVHC Lead 7439-92-1,  
Imidazolidine-2-thione  
96-45-7

## Technical data customisable plug-in connectors

Cable diameter	4...6 mm (PG7)/ 6...8 mm (PG9)	Cable diameter, max.	8 mm
Cable diameter, min.	6 mm	Coding	A
Conductor cross-section, max.	0.75 mm <sup>2</sup>	Conductor cross-section, min.	0.14 mm <sup>2</sup>
Connection cross-section, max.	0.75 mm <sup>2</sup>	Connection cross-section, min.	0.14 mm <sup>2</sup>
Contact surface	CuSnZn	Contact surface	CuSnZn (5-pole) / gold plated (8-pole)
Housing main material	PA	Insulation strength	10 <sup>8</sup> 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

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

## 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		

## Approvals

Approvals

ROHS Conform  
UL File Number Search E307231

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Downloads**

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Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</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>

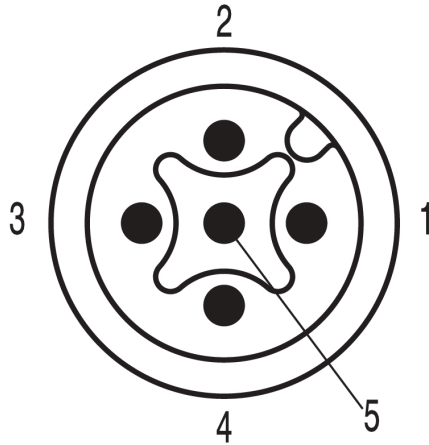
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**Pole scheme**



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