

SAIS-M16-12/9**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 sockets for customisable assembly for M8, M12, M16 and 7/8" connections which are highly robust and ideally suited to machine engineering, for instance. The M16 round plug-in connectors can transmit large amounts of power and have set the standard in the market for many years. The solder connection provides high contact density on a small area. With this technology the stripped conductor is soldered to the contacts, producing good electrical conductivity.

General ordering data

Version	Field attachable connector, M16, pin, straight
Order No.	1548810000
Type	SAIS-M16-12/9
GTIN (EAN)	4050118355307
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Net weight	28 g
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Technical data customisable plug-in connectors

Cable diameter	6...8 mm (PG9)	Cable diameter, max.	8 mm
Cable diameter, min.	6 mm	Coding	none
Conductor cross-section, max.	0.75 mm ²	Conductor cross-section, min.	0.14 mm ²
Connection cross-section	0,14...0,75mm ² (2-, 4-, 5-, 6-, 7- und 8-poles) / 0,14...0,25mm ² (12- und 16-poles)	Connection cross-section, max.	0.25 mm ²
Connection cross-section, min.	0.14 mm ²	Contact surface	Ag (silver)
Housing main material	PA	Insulation strength	10 ⁸ Ω
Number of poles	12	Plugging cycles	≥ 500
Pollution severity	3	Protection degree	IP40
Rated current	3 A	Rated current	7 A (2-pole) / 6 A (4- and 5-pole) / 5 A (6-, 7- and 8-pole) / 3 A (12- and 16-pole)
Rated voltage	60 V	Shield connection	No
Temperature range of housing	-40 ... +85 °C	Threaded ring material	Diecast zinc
Type of connection	Solder connection		

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	Lead 7439-92-1
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Approvals

Approvals



ROHS	Conform
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Downloads

Engineering Data	CAD data – STEP
User Documentation	Manual
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN