

SAIS-M16-7/9**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
Order No.	1118010000
Type	SAIS-M16-7/9
GTIN (EAN)	4032248898497
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Net weight	31 g
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Technical data customisable plug-in connectors

Cable diameter, max.	8 mm	Cable diameter, min.	6 mm
Coding	none	Conductor cross-section, max.	0.75 mm ²
Conductor cross-section, min.		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)
	0.14 mm ²	Connection cross-section, min.	0.14 mm ²
Connection cross-section, max.	0.75 mm ²	Gender of contact	Male
Contact surface	Ag (silver)	Insulation strength	10 ⁸ Ω
Housing main material	PA	Plugging cycles	≥ 500
Number of poles	7	Protection degree	IP40
Pollution severity	3	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 current		Shield connection	No
	5 A	Threaded ring material	Diecast zinc
Rated voltage	125 V		
Temperature range of housing	-40 ... +85 °C		
Type of connection	Solder connection		

Classifications

ETIM 6.0	EC002635	ETIM 7.0	EC002635
ETIM 8.0	EC002635	ETIM 9.0	EC002635
ETIM 10.0	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	ECLASS 14.0	27-44-01-16
ECLASS 15.0	27-44-01-16		

Environmental Product Compliance

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

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
ROHS	Conform

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Technical data

Downloads

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