Data sheet

SAIS-M16-4/9

Weidmüller Interface GmbH & Co. KG
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Germany

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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 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.	1117970000
Type	SAIS-M16-4/9
GTIN (EAN)	4032248899012
Qty.	1 items

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Net weight	27.94 g

Environmental Product Compliance

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

Technical data customisable plug-in connectors

Number of poles	4	Coding	none
Contact surface	Ag (silver)	Connection cross-section	0,14...0,75mm² (2-, 4-, 5-, 6-, 7- und 8-poles) / 0,14...0,25mm² (12- und 16-poles)
Type of connection	Solder connection	Housing main material	PA
Insulation resistance	108 Ω	Cable diameter, max.	8 mm
Cable diameter, min.	6 mm	Conductor cross-section, max.	0.75 mm²
Conductor cross-section, min.	0.14 mm²	Nominal voltage	250 V
Nominal current	6 A	Protection degree	IP40
Plugging cycles	≥ 500	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)	Gender of contact	Male
Shield connection	No	Threaded ring material	Diecast zinc
Temperature range of housing	-40 ... +85 ° C	Connection cross-section, max.	0.75 mm²
Connection cross-section, min.	0.14 mm²		

Classifications

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