Data sheet

SAIBW-4/9-7/8

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 7/8" round plug-in connectors can transmit large amount of power.
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, 7/8"
Order No.	1812470000
Type	SAIBW-4/9-7/8
GTIN (EAN)	4032248294510
Qty.	1 items

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Technical data

Approvals

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

Dimensions and weights

Net weight	47.47 g

Temperatures

Storage temperature		Operating temperature	-20 °C...85 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1, Imidazolidine-2-thione 96-45-7
SCIP	10f6f563-34ca-4ce4-9e59-cf656b2f4d8b

Technical data customisable plug-in connectors

Number of poles	4	Coding	none
Contact surface	Gold-plated	Type of connection	Screw connection
Housing main material	PBT	Insulation resistance	108 Ω
Cable diameter, max.	8 mm	Cable diameter, min.	6 mm
Contact material	CuZn	Conductor cross-section, max.	1.5 mm²
Conductor cross-section, min.	0.5 mm²	Nominal voltage	300 V
Nominal current	9 A	Protection degree	IP67
Plugging cycles	≥ 50	Pollution severity	3
Cable gland	PG 9	Rated current	9 A (4- and 5-pole), 12 A (3-pole)
Gender of contact	Female	Shield connection	No
Threaded ring material	Diecast zinc	Temperature range of housing	-40 ... +85 ° C
Connection cross-section, max.	1.5 mm²	Connection cross-section, min.	0.14 mm²

General data

Number of poles	4	Coding	none
Connection thread	7/8"	Contact surface	Gold-plated
Type of connection	Screw connection	Housing main material	PBT
Insulation resistance	108 Ω	Cable diameter, max.	8 mm
Cable diameter, min.	6 mm	Contact material	CuZn
Conductor cross-section, max.	1.5 mm²	Conductor cross-section, min.	0.5 mm²
Nominal voltage	300 V	Nominal current	9 A
Protection degree	IP67	Plugging cycles	≥ 50
Pollution severity	3	Cable gland	PG 9
Rated voltage	300 V	Rated current	9 A (4- and 5-pole), 12 A (3-pole)
Connection 1	7/8"	Connection 2	Screw
Rated impulse voltage	4000 V	Shield connection	No

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Technical data

Rated voltage (UL)	600 V	Temperature range of housing	-40 ... +85 ° C
Conductor O.D.	-		

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		

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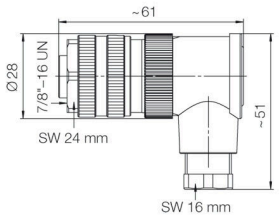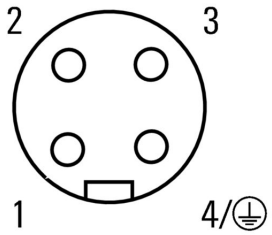
Drawings