Data sheet

SAIBGP-M-4D-4/8-M12

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



RoHS COMPLIANT

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.

General ordering data

Version	Field attachable connector, M12
Order No.	2681700000
Type	SAIBGP-M-4D-4/8-M12
GTIN (EAN)	4050118759877
Qty.	1 items

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E307231

Dimensions and weights

Diameter	19 mm	Net weight	43 g

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Technical data customisable plug-in connectors

Number of poles	4	
Coding	D	
Contact surface	Ni/Au	
LED	No	
Type of connection	PUSH IN	
Housing main material	PA 66	
Insulation resistance	≥ 100 MΩ	
Cable diameter, max.	8 mm	
Cable diameter, min.	4 mm	
Category	Cat.5 (ISO/IEC 11801)	
Conductor cross-section, max.	0.75 mm²	
Conductor cross-section, min.	0.14 mm²	
Nominal voltage	48 V	
Nominal current	4 A	
Protection degree	IP67	
Plugging cycles	≥ 100	
Pollution severity	3	
Gender of contact	Female	
Rated voltage	Rated voltage	48 V
	Voltage type	AC
	Rated voltage	60 V
	Voltage type	DC
Shield connection	Yes	
Threaded ring material	Diecast zinc	
Temperature range of housing	-40 … +85 ° C	
Mounting position, installation notice	The connector pin assignment can be rotated 45° to the cable outlet	

General Info

Number of poles	4	Connection 1	M12
Connection 2	PUSH IN	Wiring	4-core, PROFINET
UL 94 flammability rating	V-0	Housing main material	PA 66
Category	Cat.5 (ISO/IEC 11801)	Connection thread	M12

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Contact surface	Ni/Au	Wire connection cross section, finely stranded, min.	0.14 mm²
Wire connection cross-section, finely stranded, max.	0.75 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.08 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	0.5 mm²	Wire cross-section, solid, min.	0.14 mm²
Wire cross-section, solid, max.	0.75 mm²	Protection degree	IP67
Plugging cycles	≥ 100		

Electrical properties

Insulation resistance	≥ 100 MΩ	Nominal voltage	48 V

General standards

Connector standard	IEC 61076-2-101	Certificate no. (cULus)	E307231

Standards

Connector standard	IEC 61076-2-101	Fire safety for railway vehicles	DIN EN 45545-2
Shock and vibration proof according to	EN 50155:2001, DIN EN 61373		

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		

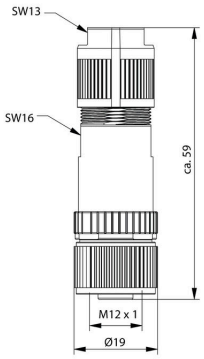
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Drawings

Drawing



Pole scheme

