

SAIBC-WDF-D-18/28-4/9CG**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 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.

The crimp connection is characterised by high functional reliability. With this connection technology, the conductor is crimped to the contact and then engaged in the contact carrier. The connection between the conductor and crimp is vibration-resistant and boasts long-term stability. Crimp contacts are to be ordered separately.

General ordering data

Version	Field attachable connector, M12, Female socket, straight
Order No.	2664780000
Type	SAIBC-WDF-D-18/28-4/9CG
GTIN (EAN)	4050118765236
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Net weight 20.5 g

Technical data customisable plug-in connectors

Cable diameter	4...9 mm	Cable diameter, max.	9 mm
Cable diameter, min.	4 mm	Coding	D-coded
Conductor cross-section, max.	0.75 mm ²	Conductor cross-section, min.	0.08 mm ²
Connection cross-section, max.	0.75 mm ²	Connection cross-section, min.	0.08 mm ²
Contact surface	Gold-plated	Housing main material	CuZn
Number of poles	4	Plugging cycles	≥ 500
Pollution severity	3	Protection degree	IP67
Rated current	4 A	Rated voltage	50 V
Shield connection	Yes	Temperature range of housing	-40 ... +85 °C
Threaded ring material	Brass, nickel-plated	Type of connection	Crimp connection

General Info

Number of poles	4	Connection 1	M12
Connection 2	Crimp	Housing main material	CuZn
Connection thread	M12	Contact surface	Gold-plated
Protection degree	IP67	Plugging cycles	≥ 500

Electrical properties

Rated voltage 50 V

General standards

Connector standard IEC 61076-2-101

Standards

Connector standard	IEC 61076-2-101	Fire safety for railway vehicles	According to EN 45545, HL1 - HL3
Shock and vibration proof according to	DIN EN 61373 KAT2 (Bogie), DIN EN 61373 Class 1B**		

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
SCIP	Oea6d931-f9e9-40a6-89d9-8d67103189d3

Approvals

ROHS Conform

Creation date July 2, 2024 9:44:29 PM CEST

Catalogue status 29.06.2024 / We reserve the right to make technical changes.

Data sheet

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Technical data

Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

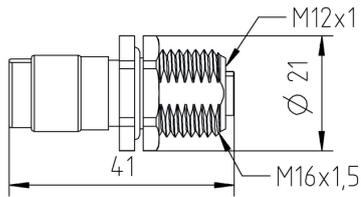
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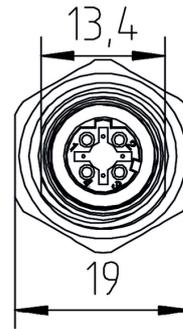
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Drawings

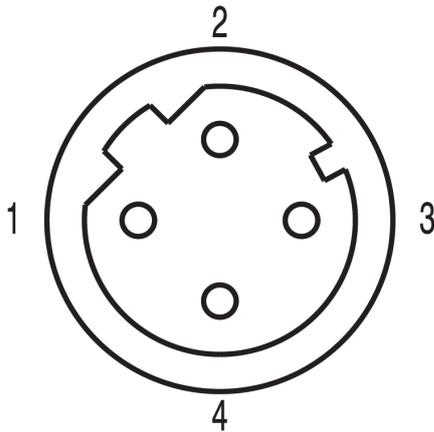
Dimensioned drawing



Pole scheme



Pole scheme



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Accessories
...for M12


Weidmüller offers a wide range of tools and accessories for sensor-actuator cabling.

General ordering data

Type	SAI-TMCSK	Version
Order No.	1381690000	Pressing tool, 4-indent crimp
GTIN (EAN)	4050118183870	
Qty.	1 pc(s).	

Crimp contacts


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Crimp contacts are to be ordered separately.

General ordering data

Type	SAI-M12-KBC-20/22	Version
Order No.	2664870000	Contact, Socket connector
GTIN (EAN)	4050118755213	
Qty.	100 pc(s).	
Type	SAI-M12-KBC-26/28	Version
Order No.	2673740000	Contact, Socket connector
GTIN (EAN)	4050118755084	
Qty.	100 pc(s).	
Type	SAI-M12-KBC-22/24	Version
Order No.	2673730000	Contact, Socket connector
GTIN (EAN)	4050118754599	
Qty.	100 pc(s).	

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Accessories

Type	SAI-M12-KBC-18/20	Version
Order No.	2664860000	Contact, Socket connector
GTIN (EAN)	4050118755206	
Qty.	100 pc(s).	