Data sheet

SAIBGC-M-4D-8.1/8.5-M12-CF

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
Order No.	1380590000
Type	SAIBGC-M-4D-8.1/8.5-M12-CF
GTIN (EAN)	4050118182590
Qty.	1 items

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Net weight	25 g

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	0ea6d931-f9e9-40a6-89d9-8d67103189d3

Technical data customisable plug-in connectors

Number of poles	4	Coding	D-coded
Contact surface	Gold-plated	Type of connection	Crimp connection
Housing main material	CuZn	Cable diameter, max.	8.5 mm
Cable diameter, min.	8.1 mm	Conductor cross-section, max.	0.5 mm²
Conductor cross-section, min.	0.34 mm²	Nominal voltage	50 V
Nominal current	4 A	Protection degree	IP67
Plugging cycles	≥ 200	Pollution severity	3
Gender of contact	Female	Shield connection	Yes
Threaded ring material	Brass, nickel-plated	Temperature range of housing	-40 ... +85 ° C

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	≥ 200

Standards

Connector standard	IEC 61076-2-101	Fire safety for railway vehicles	According to EN 45545, HL1 - HL3

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		

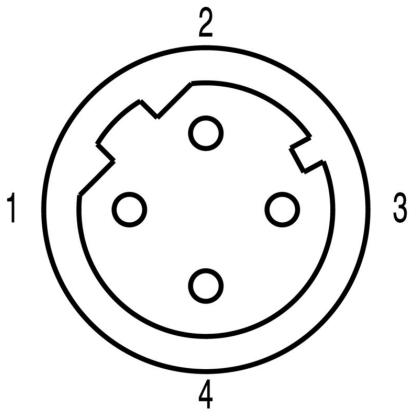
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Drawings

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-TMCDC	Version
Order No.	1381710000	Pressing tool
GTIN (EAN)	4050118183764	
Qty.	1 ST	
Type	SAI-CEH095	Version
Order No.	1381750000	Crimping tool insert
GTIN (EAN)	4050118183894	
Qty.	1 ST	