

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.	<u>2968390000</u>	
Туре	SAISGC-M-5B-4/9-M12-CG	
GTIN (EAN)	4099986781009	
Qty.	1 items	

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# **Technical data**

Diameter	15 mm	Net weight	35 g
Technical data customisable <sub>l</sub>	olug-in connectors		
Number of poles	5	Coding	B-coded
Number of poles Contact surface	Gold-plated	LED	No
	<u> </u>		Cu alloy Ni plated
Type of connection	Crimp connection 9 mm	Housing main material	
Cable diameter, max.		Cable diameter, min.	4 mm
Conductor cross-section, max.	0.82 mm <sup>2</sup>	Conductor cross-section, min.	0.08 mm <sup>2</sup>
Nominal voltage	50 V	Nominal current	4 A
Protection degree	IP67, when screwed in	Plugging cycles	≥ 250
Pollution severity	3	Gender of contact	Male
Shield connection	Yes	Threaded ring material	Brass, nickel-plated
Temperature range of housing	-40 +85 ° C		
General Info			
Number of poles	5	Connection 1	M12
Number of poles Connection 2	Crimp	UL 94 flammability rating	V-0
* - : : : : - : : : : - : : : : : : : :	Cu alloy Ni plated	Connection thread	M12
Housing main material			0.08 mm <sup>2</sup>
Contact surface	Gold-plated	Wire connection cross section, finely stranded, min.	
Wire connection cross section, finely stranded, max.	0.82 mm <sup>2</sup>	Protection degree	IP67, when screwed ir
Plugging cycles	≥ 250		
Standards			
Connector standard	IEC 61076-2-101	Fire safety for railway vehicles	EN 45545 HL3
Shock and vibration proof according to		- no outer, for tanna, remote	2.1.100.101.120
Classifications			
ETIM 6.0	EC002635	ETIM 7.0	EC002635
ETIM 8.0	EC002635	ETIM 9.0	EC002635
ETIM 10.0	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	ECLASS 14.0	27-44-01-16
FCLACC 1F O	07.44.01.10		

ECLASS 15.0

Catalogue status / Drawings 2

27-44-01-16



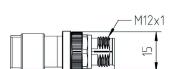
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# **Drawings**

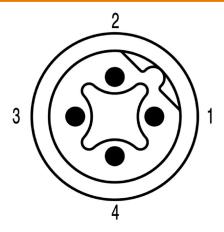
### **Dimensioned drawing**



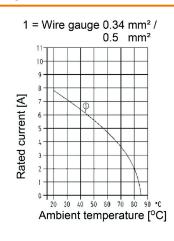


**Dimensioned drawing** 

#### Pole scheme



## **Derating curve**





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## **Accessories**

#### Shield cable gland



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Crimp contacts are to be ordered separately.

### **General ordering data**

Туре	SAI-M12-KSC-18/20	Version
Order No.	<u>2664840000</u>	Contact
GTIN (EAN)	4050118755091	
Qty.	100 ST	
Туре	SAI-M12-KSC-20/22	Version
Order No.	<u>2664850000</u>	Contact
GTIN (EAN)	4050118755220	
Qty.	100 ST	
Туре	SAI-M12-KSC-22/24	Version
Order No.	<u>2673710000</u>	Contact
GTIN (EAN)	4050118755060	
Qty.	100 ST	
Type	SAI-M12-KSC-26/28	Version
Type Order No.	SAI-M12-KSC-26/28 2673720000	Version Contact
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#### ...for M12



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

## **General ordering data**

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

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