Data sheet

SAI-M12-KSC-18/20

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	Contact
Order No.	2664840000
Type	SAI-M12-KSC-18/20
GTIN (EAN)	4050118755091
Qty.	100 items

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Net weight	0.2 g

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	ebf89fc8-a87f-4691-b87a-dfb9921774b4

Technical data customisable plug-in connectors

Number of poles	1	Contact surface	Gold-plated
Connection cross-section	AWG 18 - AWG 20	Type of connection	Crimp connection
Contact material	Copper alloy	Conductor cross-section, max.	0.82 mm²
Conductor cross-section, min.	0.52 mm²	Nominal current	7 A
Plugging cycles	≥ 250	Pollution severity	3
Gender of contact	Male	Connection cross-section, max.	0.82 mm²
Connection cross-section, min.	0.52 mm²		

General Info

Number of poles	1	Connection 1	M12 Contact
Connection 2	Crimp	Contact material	Copper alloy
Contact surface	Gold-plated	Wire connection cross section, finely stranded, min.	0.52 mm²
Wire connection cross-section, finely stranded, max.	0.82 mm²	Wire cross-section, solid, min.	0.52 mm²
Wire cross-section, solid, max.	0.82 mm²	Plugging cycles	≥ 250

Classifications

ETIM 8.0	EC000796	ETIM 9.0	EC000796
ETIM 10.0	EC000796	ECLASS 14.0	27-44-02-92
ECLASS 15.0	27-44-02-92		

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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 ST	
Type	SAI-TMC-PD	Version
Order No.	1381700000	Crimping tool insert, 4-indent crimp
GTIN (EAN)	4050118183856	
Qty.	1 ST	