

SAI M23 CRIMPING TOOL 2**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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

General ordering data

Version	Pressing tool for signal contacts, 4-indent crimp
Order No.	1203960000
Type	SAI M23 CRIMPING TOOL 2
GTIN (EAN)	4050118000764
Qty.	1 pc(s).

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Length	175 mm	Length (inches)	6.89 inch
Net weight	478 g		

Technical data

Version	Mechanical, without inter-changeable inserts
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Description of contact

Conductor cross-section, max. AWG	AWG 13	Conductor cross-section, min. AWG	AWG 28
Type of contact	Turned contacts		

tool data crimping

Crimping type/profile	4-indent crimp	Wire end ferrules cross-section, max.	2.5 mm ²
Wire end ferrules cross-section, min.	0.14 mm ²		

Classifications

ETIM 6.0	EC000168	ETIM 7.0	EC000168
ETIM 8.0	EC000168	ETIM 9.0	EC000168
ECLASS 9.0	21-04-38-11	ECLASS 9.1	21-04-38-11
ECLASS 10.0	21-04-38-11	ECLASS 11.0	21-04-38-11
ECLASS 12.0	21-04-38-11	ECLASS 13.0	21-04-38-11

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	7baf363e-d867-435e-844e-c01f32ebf146

Downloads

Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN FL FIELDWIRING EN

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Accessories

1.5 mm



The M23 round plug-in connectors offer a high number of mating cycles, high current-carrying capacity and high contact-density coupled with minimum dimensions. Enclosures, inserts and crimp contacts need to be ordered separately.

General ordering data

Type	SAI-M23-KBC-1.5-14-56	Version
Order No.	1170230000	Sensor/Actuator plug-in connector, Crimp contact
GTIN (EAN)	4032248962129	
Qty.	50 pc(s).	
Type	SAI-M23-KBC-1.5-56-1.0	Version
Order No.	1170240000	Sensor/Actuator plug-in connector, Crimp contact
GTIN (EAN)	4032248962150	
Qty.	50 pc(s).	
Type	SAI-M23-KSC-1.5-0.14-1	Version
Order No.	1170220000	Sensor/Actuator plug-in connector, Crimp contact
GTIN (EAN)	4032248962204	
Qty.	50 pc(s).	

2 mm



The M23 round plug-in connectors offer a high number of mating cycles, high current-carrying capacity and high contact-density coupled with minimum dimensions. Enclosures, inserts and crimp contacts need to be ordered separately.

General ordering data

Type	SAI-M23-KSC-2-0.75-2.5	Version
Order No.	1170250000	Sensor/Actuator plug-in connector, Crimp contact
GTIN (EAN)	4032248962211	
Qty.	50 pc(s).	
Type	SAI-M23-KBC-2-0.75-2.5	Version
Order No.	1170260000	Sensor/Actuator plug-in connector, Crimp contact
GTIN (EAN)	4032248962099	
Qty.	50 pc(s).	

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Accessories

1 mm



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General ordering data

Type	SAI-M23-KBC-1.00-1.5	Version
Order No.	1170210000	Sensor/Actuator plug-in connector, Crimp contact
GTIN (EAN)	4032248962174	
Qty.	50 pc(s).	
Type	SAI-M23-KSC-0.08/0.56	Version
Order No.	1170140000	Sensor/Actuator plug-in connector, Crimp contact
GTIN (EAN)	4032248962235	
Qty.	50 pc(s).	
Type	SAI-M23-KBC-0.08/0.56	Version
Order No.	1995860000	Sensor/Actuator plug-in connector, Crimp contact
GTIN (EAN)	4032248926152	
Qty.	50 pc(s).	
Type	SAI-M23-KSC-1.00-1.5	Version
Order No.	1170170000	Sensor/Actuator plug-in connector, Crimp contact
GTIN (EAN)	4032248962310	
Qty.	50 pc(s).	
Type	SAI-M23-KBC-0.34/1.00	Version
Order No.	1170180000	Sensor/Actuator plug-in connector, Crimp contact
GTIN (EAN)	4032248962075	
Qty.	50 pc(s).	
Type	SAI-M23-KSC-0.14/1.00	Version
Order No.	1170150000	Sensor/Actuator plug-in connector, Crimp contact
GTIN (EAN)	4032248961108	
Qty.	50 pc(s).	

Adjustment mechanism to set the crimping and locator position

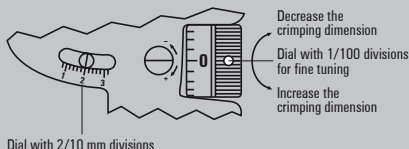
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Adjusting the crimping dimensions

The adjustment mechanism is used to set the crimping depth of the crimping mandrel as described below.
The adjusting dial is used to prepare the feed; the dial can be turned clockwise (for decreasing the dimension) or counter-clockwise (for increasing the dimension).

Adjustment precision

- 1 division mark on the dial v 1/100 mm adjustment
- 1 complete revolution of the dial v 0.2 mm adjustment read from scale
- 5 revolutions of the dial v 1 mm adjustment read from scale



Verifying the crimping dimension

The four-mandrel crimping tool is pre-set at the factory. The actual crimping size should still be checked periodically. It should be checked using the plug gauge (Ø 1.0 mm) that is included with the crimping tool as described below. Use the dial on the stationary tool shank to set the size to 1.0 mm on the scale. Set to the zero-point tick mark on the dial and close the tool. (Refer to the diagram showing the crimping size adjustment.) At this setting, it should be possible to move the 1.00-mm-Ø plug gauge without any play or extra room. If this is not possible, then the size deviation (+/-) can be determined using the dial's fine-adjustment mechanism. If this size check reveals that the tool is not within the tolerance range specified by the manufacturer of the contacts, then you should contact the manufacture of the tool for further inspection.

Servicing and maintenance

Before you start to use the hand crimping tool, it must be clean and in proper working condition. Crimp residue or fragments must be removed from the crimping jaws and locator. The joints should be regularly lubricated using machine oil to protect them from dirt. Make sure that all bolts are secured with locking rings.

Technical data

Crimp contact	Wire cross-section (mm²)	Crimping mandrel adjustment	Locator position	Order No.
Crimp male 1 mm	0.14	0.86	1	1170150000
	0.25	0.90		
	0.34	0.95		
	0.56	0.98		
	0.75	1.03		
	1.00	1.08		
Crimp female 1 mm (0.08-0.56 mm²)	0.08	0.75	2	1995860000
	0.14	0.78		
	0.25	0.82		
	0.34	0.86		
	0.56	0.90		
Crimp female 1 mm (0.34-1.00 mm²)	0.34	0.77	2	1170180000
	0.56	0.82		
	0.75	0.88		
	1.00	0.95		
Crimp male 1.5 mm	0.14	0.65	3	1170220000
	0.25	0.68		
	0.34	0.72		
	0.56	0.81		
	0.75	0.95		
	1.00	1.07		
Crimp female 1.5 mm (0.14-0.75 mm²)	0.14	0.70		1170230000
	0.25	0.73		
	0.34	0.77		
	0.56	0.85		
	0.75	1.05		
Crimp female 1.5 mm (0.34-1.00 mm²)	0.34	0.88		1170240000
	0.56	0.95		
	0.75	1.05		
	1.00	1.13		
Crimp male 2.0 mm	0.75	1.20		1170250000
	1.00	1.35		
	1.50	1.45		
	2.50	1.60		
Crimp female 2.0 mm	0.75	1.25		1170260000
	1.00	1.35		
	1.50	1.45		
	2.50	1.60		

Ordering data

Type	Order No.
SAI M23 CRIMPING TOOL 2	1203960000