

SAI M23 CRIMPING TOOL 2

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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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
Order No.	1203960000
Type	SAI M23 CRIMPING TOOL 2
GTIN (EAN)	4050118000764
Qty.	1 pc(s).

Creation date March 7, 2023 6:02:31 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Net weight 478 g

Temperatures

Operating temperature, min. -40 °C Operating temperature, max. 125 °C

Classifications

ETIM 6.0	EC000168	ETIM 7.0	EC000168
ETIM 8.0	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

Environmental Product Compliance

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

Approvals

Approvals



Downloads

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

Crimping settings

Adjustment mechanism to set the crimping and locator position

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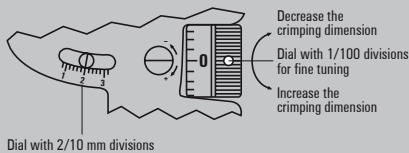
Adjusting the crimping dimensions

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 (mm ²)	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 mm ²)	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 mm ²)	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 mm ²)	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 mm ²)	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					

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