

Crimping

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Crimping

After stripping, appropriate contacts or wire end ferrules can be crimped to the cable end.

Crimping produces a reliable connection between conductor and contact, and has more or less completely replaced soldering.

Crimping describes the production of a uniform, non-detachable connection between conductor and connecting element.

This should be achieved exclusively by the use of a high-quality precision tool. The result is a safe, reliable connection in both electrical and mechanical terms.

Weidmüller offers a wide range of mechanical crimping tools. An integral ratchet mechanism with disengage option guarantees optimum processing quality. Crimp connections produced with Weidmüller tools comply with international standards and specifications.

The DIN EN 60352-2 standard recommends that tools and contacts should come from the same manufacturer, since this is the only way to ensure consistently high quality. Otherwise, it is the user who is responsible for the quality. Weidmüller tools are designed to fit with Weidmüller contacts and thus are in full compliance with the DIN EN standard.

Note: The AWG cross-section specifications can be compared with the equivalent metric specifications.

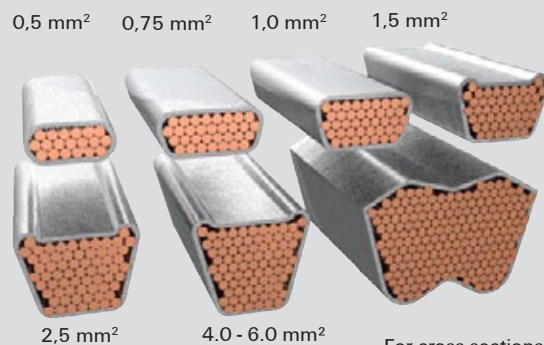
Crimping of wire end ferrule: an example of an optimum crimp of different cross-sections.

A crimp connection using manual and automatic Weidmüller tools can be seen below. The conductor insulation must be pushed into the plastic collar and the ferrule sleeve must be completely filled by the conductor. Depending on the cross-section, the conductor should protrude approx. 0 ... 0.5 mm from the ferrule sleeve.

Cut-away view:



Front view:



The crimping shape may differ from the illustration depending on the crimping tool in use.

For cross-sections 6...50 mm², the crimping shape is approximately the same.

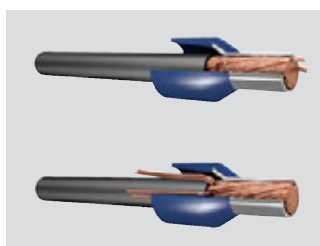


Faulty crimping connections due to an incorrect combination of cable and wire end ferrule

It is not possible for a tool to function reliably with every combination of conductor and crimping material. It is possible that the standard requirements for the crimped product can't be achieved, although taken on their own, both conductor and crimping material comply with the corresponding standard. The individual production tolerances of conductor and crimping material do not allow every conductor to be combined with every contact.

The combination of conductors, crimping material and crimping tool must be coordinated: this procedure is all the more difficult given the large number of products on the market.

This means that the material must be defined and the crimping result tested, ensuring that the test, and later on the tool, satisfy the same conditions.

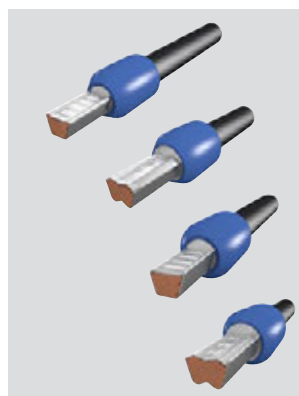


Single conductor squeezed off

Single conductor pushed back

Faults which can occur during crimping:

- Cracks along the sides and die impressions
- Splitting of the ferrules
- Asymmetrical crimping shape
- Extreme burrs formed along the sides
- Ferrule not filled by the conductor
- Single conductors pushed back protruding from the collar
- Single conductors squeezed off
- Plastic collar damaged by the crimping jaw
- Conductor insulation not pushed into the plastic collar
- Ferrule bent longitudinally after crimping



Formation of cracks at the sides.
Sides split open

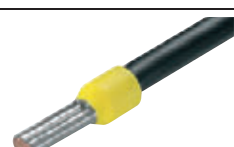
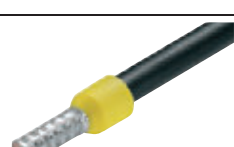
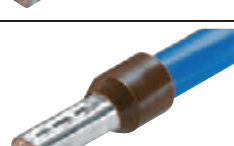
Formation of cracks at the impressions
of the crimping jaw

Asymmetrical crimping shape
Burr formation on one side

Asymmetrical crimping shape
Burr formation on one side

Note:

The ferrule must not split open after it has been connected once in any Weidmüller terminal corresponding to the conductor cross-section (with a torque according to IEC 60947-1)

Crimp contact	Crimp type	Description	Conductor crossection in mm ²	AWG	Crimping tool	Order No. tool	page
Wire end ferrules		with plastic collar	0,5...2,5	20...14	Stripax Plus 2.5	9020000000	D.6
		with / without plastic collar	0,14...6	26...10	PZ 6 roto	9014350000	D.9
			0,14...1,5	24...16	PZ 1.5	9005990000	D.7
			0,5...4	20...12	PZ 4	9012500000	D.8
		with / without plastic collar	0,14...6	26...8	PZ 10 HEX	1445070000	D.10
		with / without plastic collar	0,25...6	24...10	PZ 6/5	9011460000	D.8
		with / without plastic collar	0,5...6	20...10	PZ 3	0567300000	D.7
				26...8	PZ 10 SQR	1445080000	D.10
		with / without plastic collar	6...16	10...6	PZ 16	9012600000	D.11
			25...50	3...1	PZ 50	9006450000	D.12
Twin wire end ferrules		Twin wire end ferrules	0,5...1	20...17	PZ 1.5	9005990000	D.7
			0,5...4	20...10	PZ 10 HEX	1445070000	D.10
			0,5...2,5	20...14	PZ 4	9012500000	D.8
			0,5...4	20...12	PZ 6/5	9011460000	D.8
			0,5...4	20...12	PZ 3	0567300000	D.7
			0,5...4	20...12	PZ 6 roto	9014350000	D.9
			6...16	10...6	PZ ZH 16	9013600000	D.11
Stamped contacts		Weidmüller DFF series	0,22...2,5	24...12	HTF DFF	9014140000	D.27
		Weidmüller ZRV and MKF series	0,2...0,35 / 0,5...1	24...22 / 20...17	HTF ZRV	9014840000	D.27
		Weidmüller FEKO ZRV series	0,2...2,5	24...12	HTF AFK 2.5	9201040000	D.27
		Weidmüller RSV and DSTV-HD Systems	0,14...1,5	26...16	HTF RSV 16	9013560000	D.27
			2,5	14...12	HTF RSV 12	9013550000	D.27
Turned contacts		Turned HD and HE contacts	4...10	12...7	CTX CM 3,6	9018480000	D.20
			0,14...4	26...12	CTX CM 1,6/2,5	9018490000	D.20
		Turned HD, HE and HX contacts	0,14...6	26...10	CTIN CM 1,6/2,5	9205430000	D.20
			1,5...10	16...7	CTIN CM 3,6	9205440000	D.20

Crimp contact	Crimp type	Description	Conductor crossection in mm ²	AWG	Crimping tool	Order No. tool	page
coaxial connectors		coaxial connectors			HTG 58	9012000000	D.25
					HTG 58/59	9012020000	D.25
					HTG 59	9012010000	D.25
					HTG 174	9012410000	D.25
					HTX 138	9012400000	D.25
					HTX 188	9011990000	D.25
		coaxial connectors			CTX 500	9006320000	D.26
					CTX 501	9006370000	D.26
					CTX 502	9006380000	D.26
insulated / non-insulated connectors		insulated connectors	0,5...2,5	20...14	HTI 15	9014400000	D.18
			0,5...6	20...10	CTI 6	9006120000	D.17
			0,5...6	20...10	CTI 6 G	9202850000	D.17
		non-insulated connectors	0,5...6	20...10	HTN 21	9014610000	D.18
			0,5...6	20...10	HTN 21 with end stop	9014100000	D.18
			10...25	7...3	CTN 25 D4	9006220000	D.19
			10...25	7...3	CTN 25 D5	9006230000	D.19
modular plug connectors		WE-plug (4, 6 and 8-poles)	0,08...0,25	28...24	TT 864 RS WE	9008120000	D.29
		WE-plug (4, 6 and 10-poles)	0,08...0,25	28...24	TT 1064 RS WE	9008190000	D.29
		shielded WE-plug, system Hirose	0,08...0,25	28...24	TT8 RS MP8	9202800000	D.28
Other contacts and plugs		SUB-D contacts	0,08...0,5	28...20	HTF SUB-D	9013260000	D.26
		flat blade connectors and receptacles	0,1...1 (connec. width 2,8)	27...17	HTF 28	9013090000	D.16
			0,5...2,5 (connec. width 4,8)	20...14	HTF 48	9013080000	D.16
			0,5...2,5 (connec. width 6,3)	20...14	HTF 63	9013400000	D.16
			0,5...6 (connec. width 6,3)	20...10	CTF 63	9202860000	D.16
		fibre optic connectors	Station 1 (hexagon crimp): 3,15 / 6,0 H.- → 3,9		HTX LWL	9011360000	D.21
					HTX LWL	9011360000	D.21
			Station 2 (round crimp): 4,85 / 6,0 H.- → 5,5				
		IP 67 connector			IE-CT-SC-GOF	9205320000	D.22
					IE-CT-LC-GOF	9205330000	D.22
					IE-CT-SC-POF	9205340000	D.22
					IE-CT-SC-GOF-P	9205350000	D.22

Crimping tools for wire end ferrules

- For wire-end ferrules with and without plastic collars, according to DIN 46228 Part 1 and Part 4
- Ratchet for precise crimping
- Release option in the event of incorrect operation

PZ 1.5

0.14...1.5 mm²

- ~AWG 26...16
- Only one die for the whole cross-section range
- Crimp complies with Euro-Norm EN 60947-1
- Wire-end ferrule insertion from the front



PZ 3

0.5...6 mm²

- ~AWG 21...10
- Only one die for the whole cross-section range
- Wire-end ferrule insertion from the front



Technical data

Description of contact	
Type of contact	
Crimping range	
Crimping range 1 (with multiple crimping positions)	
Crimping range 2 (with multiple crimping positions)	
Crimping range 3 (with multiple crimping positions)	
Crimping range 4 (with multiple crimping positions)	
Crimping range 5 (with multiple crimping positions)	
Tool data	
Width	
Weight	
Note	

Ordering data

Version
Note

PZ 1.5
Wire-end ferrules with/without plastic collars
0.14...1.5 mm ²
170 mm
170 g

Type	Qty.	Order No.
PZ 1.5	1	9005990000
PZ 1.5 ZERT	1	9017310000
Additional accessories can be found in chapter J		

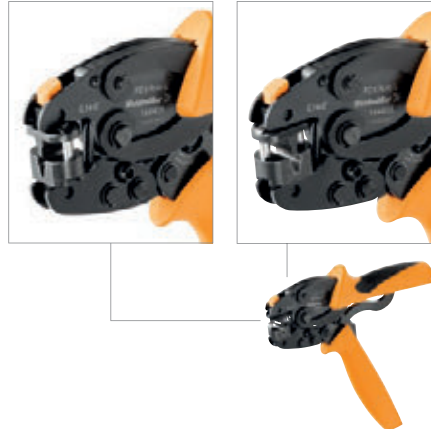
PZ 3
Wire-end ferrules with/without plastic collars
0.5...6 mm ²
200 mm
426 g

Type	Qty.	Order No.
PZ 3	1	0567300000
PZ 3 ZERT	1	9017360000
Additional accessories can be found in chapter J		

Crimping tools for wire end ferrules

- For wire-end ferrules with and without plastic collars, according to DIN 46228 Part 1 and Part 4
- Rotating crimp insert, lockable
- Insert the wire-end ferrules from the side or front
- Ratchet for precise crimping
- Release option if misused

PZ 6 Roto L

0.14–6 mm²

- ~AWG 26...10
- Only one crimp insert for the whole cross-section range
- A rotating crimp insert allows for wire-end ferrules to be inserted from the side or front
- Lockable die

PZ 6 Roto

0.14...6 mm²

- ~AWG 26...10
- Only one die for the whole cross-section range
- Rotating die enables wire-end ferrule insertion from the front or side



Technical data

Description of contact

Type of contact
Crimping range
Crimping range 1 (with multiple crimping positions)
Crimping range 2 (with multiple crimping positions)
Crimping range 3 (with multiple crimping positions)
Crimping range 4 (with multiple crimping positions)
Crimping range 5 (with multiple crimping positions)

Tool data

Width
Weight

Note

PZ 6 roto L

Wire-end ferrules with/without plastic collars
0.14...6 mm²

200 mm
428 g

PZ 6 roto

Wire-end ferrules with/without plastic collars
0.14...6 mm²

200 mm
428 g

Ordering data

Version

Note

Type	Qty.	Order No.
PZ 6 ROTO L	1	1444050000

Additional accessories can be found in Chapter J

Type	Qty.	Order No.
PZ 6 ROTO ZERT	1	9017440000
PZ 6 Roto	1	9014350000

Additional accessories can be found in chapter J

Crimping tools for wire end ferrules

Crimping tools for wire end ferrules

- For wire-end ferrules with and without plastic collars, according to DIN 46228 Part 1 and Part 4
- Ratchet for precise crimping
- Release option in the event of incorrect operation
- Ergonomic handle design
- Minimal hand force required

PZ 10 HEX

0.14 ... 10 mm²



- ~AWG 26 ... 8
- Only one die for the whole cross-section range of 0.14 ... 10 mm²
- Side wire-end ferrule insertion with hexagon crimp shape



PZ 10 SQR

0.14 ... 10 mm²



- ~AWG 26 ... 8
- Only one die for the whole cross-section range of 0.14 ... 10 mm²
- Side wire-end ferrule insertion with square crimp shape



Technical data

Description of contact	
Type of contact	
Crimping range	
Crimping range 1 (with multiple crimping positions)	
Crimping range 2 (with multiple crimping positions)	
Crimping range 3 (with multiple crimping positions)	
Crimping range 4 (with multiple crimping positions)	
Crimping range 5 (with multiple crimping positions)	
Tool data	
Width	195 mm
Weight	600 g
Note	

Wire-end ferrules with/without plastic collars	
0.14...10 mm ²	
195 mm	
600 g	

Wire-end ferrules with/without plastic collars	
0.14...10 mm ²	
195 mm	
600 g	

Ordering data

Version
Note

Type	Qty.	Order No.
PZ 10 HEX	1	1445070000
Additional accessories can be found in Chapter J		

Type	Qty.	Order No.
PZ 10 SQR	1	1445080000
Additional accessories can be found in Chapter J		

Crimping tools for wire end ferrules

- For wire-end ferrules with and without plastic collars, according to DIN 46228 Part 1 and Part 4
- Ratchet for precise crimping
- Release option in the event of incorrect operation

PZ 16

6...16 mm²



- ~AWG 10...6
- Crimp complies with Euro-Norm EN 60947-1
- Approval according to VG 95211 (military designation VG 95 236 T 14 B 002)
- Three crimping stations corresponding to the conductor cross-sections
- Wire-end ferrule insertion from the side



PZ ZH 16

Twin wire-end ferrules from 6...16 mm²



- ~ AWG 10...6
- Three crimping stations corresponding to the conductor cross-sections
- Wire-end ferrule insertion from the side



Technical data

Description of contact

Type of contact
Crimping range
Crimping range 1 (with multiple crimping positions)
Crimping range 2 (with multiple crimping positions)
Crimping range 3 (with multiple crimping positions)
Crimping range 4 (with multiple crimping positions)
Crimping range 5 (with multiple crimping positions)

Tool data

Width
Weight

Note

PZ 16

Wire-end ferrules with/without plastic collars

6...16 mm²

6 mm²

10 mm²

16 mm²

200 mm

418 g

PZ ZH 16

Twin wire-end ferrules

6...16 mm²

6 mm²

10 mm²

16 mm²

250 mm

730 g

Ordering data

Version

Note

Type	Qty.	Order No.
PZ 16	1	9012600000
PZ 16 ZERT	1	9017340000

Additional accessories can be found in chapter J

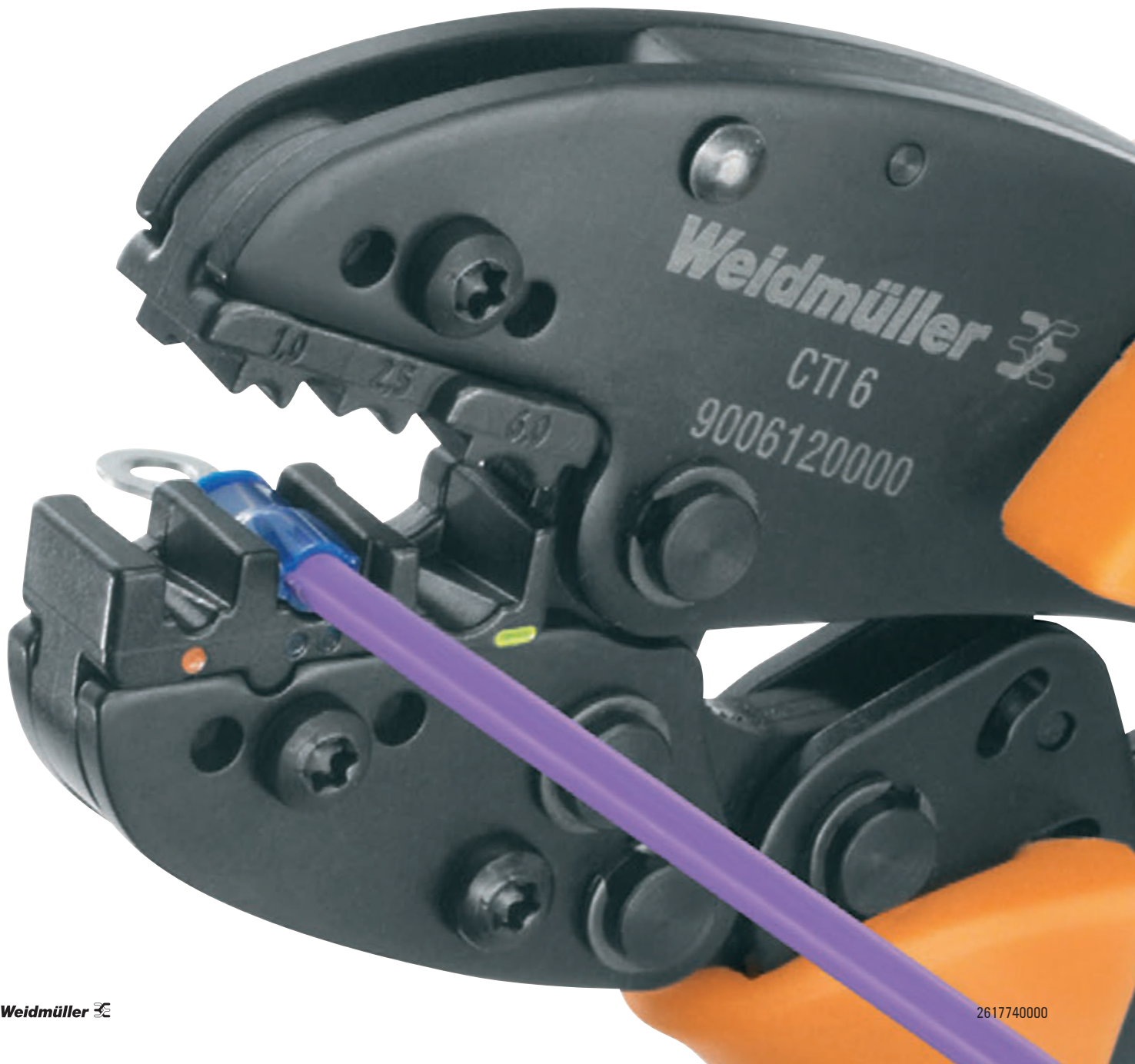
Type	Qty.	Order No.
PZ ZH 16	1	9013600000
PZ ZH 16 ZERT	1	9013610000

Additional accessories can be found in Chapter J

Crimping tool for custom contacts

The crimping technique is one of the most reliable and most versatile connection methods. Extreme quality demands for a variety of different connections require that you use a wide variety of specialised crimping tools which are designed for specific contacts.

Weidmüller offers the right crimping tool for a wide variety of contact, regardless of whether you are using turned contacts, cable-lug connectors, insulated connectors or coaxial connectors.





Crimping tools for other contacts

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation
- With end stop for exact positioning of the contacts
- Contact and insulation are crimped in one step

HTF 28 / HTF 48 / HTF 63

0.1...2.5 mm²

For flat-blade connectors and flat-blade receptacles with pre-rolled crimp claw

HTF 28

- ~AWG 28...18
- Plug width 2.8 mm, from 0.1...1.0 mm²

HTF 48

- ~AWG 21...14
- Plug width 4.8 mm, from 0.5...2.5 mm²

HTF 63

- ~AWG 21...14
- Plug width 6.3 mm, from 0.5...2.5 mm²



CTF 63

0.5...6 mm²

For flat-blade connectors and flat-blade receptacles with pre-rolled crimp claw

CTF 63

- ~AWG 21...10
- Plug width 6.3 mm, from 0.5...6 mm²



Technical data

Description of contact
Type of contact
Crimping range
Crimping range 1 (with multiple crimping positions)
Crimping range 2 (with multiple crimping positions)
Crimping range 3 (with multiple crimping positions)
Plug width
Tool data
Width
Weight
Note

HTF 28	HTF 48	HTF 63
F-plug / -sleeve	F-plug / -sleeve	F-plug / -sleeve
0.1...1 mm ²	0.5...2.5 mm ²	0.5...2.5 mm ²
0.1...0.25 mm ²	0.5...1 mm ²	0.5...1 mm ²
0.25...0.5 mm ²	1.5...2.5 mm ²	1.5...2.5 mm ²
0.6...1 mm ²		
2.8 mm	4.8 mm	6.3 mm
200 mm	200 mm	200 mm
438 g	438 g	438 g

CTF 63
F-plug / -sleeve
0.5...6 mm ²
0.5...1 mm ²
1.5...2.5 mm ²
2.6...6 mm ²
6.3 mm
250 mm
730 g

Ordering data

Version
Note

Type	Qty.	Order No.
HTF 28	1	9013090000
HTF 28 ZERT	1	9017410000
HTF 48	1	9013080000
HTF 48 ZERT	1	9017260000
HTF 63	1	9013400000
HTF 63 ZERT	1	9017240000
Additional accessories can be found in chapter J		

Type	Qty.	Order No.
CTF 63	1	9202860000
CTF 63 ZERT	1	1077010000
Additional accessories can be found in Chapter J		

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation
- With end stop for exact positioning of the contacts

CTI 6 G

0.5...6 mm²



For PVC-, PC- and polyamide-insulated connectors

- ~AWG 21...10
- Parallel crimp profile for crimping contact and insulation in one step



CTI 6

0.5...6 mm²



For PVC-, PC- and polyamide-insulated connectors

- ~AWG 21...10
- Double-crimp profile, for crimping contact and insulation in one step



Technical data

Description of contact
Type of contact
Crimping range
Crimping range 1 (with multiple crimping positions)
Crimping range 2 (with multiple crimping positions)
Crimping range 3 (with multiple crimping positions)
Plug width
Tool data
Width
Weight
Note

Ordering data

Version
Note

CTI 6 G
Insulated connector
0.5...6 mm ²
0.5...1.5 mm ²
1.1...2.5 mm ²
2.6...6 mm ²
250 mm
747 g

Type	Qty.	Order No.
CTI 6 G	1	9202850000
CTI 6 G ZERT	1	1292880000
Additional accessories can be found in Chapter J		

CTI 6
Insulated connector
0.5...6 mm ²
0.5...1.5 mm ²
1.1...2.5 mm ²
2.6...6 mm ²
250 mm
730 g

Type	Qty.	Order No.
CTI 6	1	9006120000
CTI 6 ZERT	1	9017290000
Additional accessories can be found in chapter J		

Crimping tools for other contacts

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation
- With end stop for exact positioning of the contacts
- Tested according to DIN EN 60352 Part 2

HTI 15

0.5...2.5 mm²

For PVC-, PC- and polyamide-insulated connectors

- ~AWG 21...14
- Double-crimp profile, for crimping contact and insulation in one step



HTN 21

0.5...6 mm²

For uninsulated cable lugs and connectors

- ~AWG 21...10
- Rolled cable lugs, for example acc. to DIN 46234
- Tubular cable lugs
- Pin cable lugs
- Parallel and serial connectors
- Indent crimping
- Alternatively available with or without pivoting end stop



Technical data

Description of contact	
Type of contact	
Crimping range	
Crimping range 1 (with multiple crimping positions)	
Crimping range 2 (with multiple crimping positions)	
Crimping range 3 (with multiple crimping positions)	
Plug width	
Tool data	
Width	
Weight	
Note	

Ordering data

Version	
Note	

HTI 15		
Insulated connector		
0.5...2.5 mm ²		
0.5...1.5 mm ²		
1.1...2.5 mm ²		
Tool data		
200 mm		
434 g		
Note		

Type	Qty.	Order No.
HTI 15	1	9014400000
HTI 15 ZERT	1	9017430000

Additional accessories can be found in chapter J

HTN 21		HTN 21 M. AN.	
Uninsulated connection		Uninsulated connection	
0.5...6 mm ²		0.5...6 mm ²	
0.5...1.5 mm ²		0.5...1.5 mm ²	
1.1...2.5 mm ²		1.1...2.5 mm ²	
2.6...6 mm ²		2.6...6 mm ²	
Tool data		Tool data	
200 mm		200 mm	
427 g		427 g	
Without locator			

Type	Qty.	Order No.
HTN 21	1	9014610000
HTN 21 ZERT	1	9017380000
HTN 21 M. AN	1	9014100000
HTN 21 M. AN ZERT	1	9017170000

Additional accessories can be found in Chapter K

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation

CTN 25 D 4

10...25 mm²



For uninsulated cable lugs and connectors

- ~AWG 8...4
- Rolled cable lugs, acc. to DIN 46234
- Pin cable lugs
- Parallel and serial connectors
- Indent crimping



CTN 25 D 5

10...25 mm²



For uninsulated cable lugs and connectors

- ~AWG 8...4
- Rolled cable lugs, acc. to DIN 46235
- Pin cable lugs
- Parallel and serial connectors
- Hexagon crimping



Technical data

Description of contact	
Type of contact	
Crimping range	
Crimping range 1 (with multiple crimping positions)	
Crimping range 2 (with multiple crimping positions)	
Crimping range 3 (with multiple crimping positions)	
Plug width	
Tool data	
Width	
Weight	
Note	

Ordering data

Version
Note

CTN 25D4	
Uninsulated connection	
10...25 mm ²	
10 mm ²	
16 mm ²	
25 mm ²	
250 mm	
730 g	

Type	Qty.	Order No.
CTN 25 D4	1	9006220000
CTN 25 D4 ZERT	1	9017350000
Additional accessories can be found in chapter K		

CTN 25 D5	
Uninsulated connection	
10...25 mm ²	
10 mm ²	
16 mm ²	
25 mm ²	
250 mm	
730 g	

Type	Qty.	Order No.
CTN 25 D5	1	9006230000
CTN 25 D5 ZERT	1	1292870000
Additional accessories can be found in chapter K		

Crimping tools for other contacts

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation
- With end stop for exact positioning of the contacts

CTX CM 1.6/2.5 / CTX CM 3.6

0.14...10 mm²

CTX CM 1.6/2.5

- Turned HD contacts
- Turned HE contacts
- ConCept M10 and M5 contacts
- ~AWG 26...12
- 0.14...4.0 mm²

CTX CM 3.6

- Turned HD contacts
- ConCept M3 contacts
- ~AWG 12...8
- 4.0...10 mm²



CTIN CM 1.6/2.5 / CTIN 3.6

0.14...10 mm²

CTIN CM 1.6/2.5

- Turned HD and HE contacts
- Turned HX contacts
- ConCept M10, M5 and M3 contacts
- 4-indent crimp
- ~AWG 26...10
- 0.14...6.0 mm²

CTIN CM 3.6

- Turned HX contacts
- ConCept M3 contacts
- 4-indent crimp
- ~AWG 16...8
- 1.5...10 mm²



Technical data

Description of contact
Type of contact
Crimping range
Crimping range 1 (with multiple crimping positions)
Crimping range 2 (with multiple crimping positions)
Crimping range 3 (with multiple crimping positions)
Crimping range 4 (with multiple crimping positions)
Crimping range 5 (with multiple crimping positions)
Tool data
Width
Weight
Note

CTX CM 1.6/2.5	CTX CM 3.6
Turned contacts	Turned contacts
0.14 mm ² ...4 mm ²	4 mm ² ...10 mm ²
0.14 mm ² ...0.5 mm ²	4 mm ²
0.75 mm ² ...1 mm ²	6 mm ²
1.5 mm ²	10 mm ²
2.5 mm ²	
4 mm ²	
250 mm	250 mm
730 g	730 g

CTIN CM 1.6/2.5	CTIN CM 3.6
Turned contacts	Turned contacts
0.14 mm ² ...6 mm ²	1.5 mm ² ...10 mm ²
0.14 mm ² ...6 mm ²	1.5 mm ² ...10 mm ²
230 mm	230 mm
1220 g	1220 g

Ordering data

Version
Note

Type	Qty.	Order No.
CTX CM 1.6/2.5	1	9018490000
CTX CM 1.6/2.5 ZERT	1	9013690000
CTX CM 3.6	1	9018480000
CTX CM 3.6 ZERT	1	1270320000
A large selection of contacts can be found in our current Heavy-duty Connectors Catalogue		

Type	Qty.	Order No.
CTIN CM 1.6/2.5	1	9205430000
CTIN CM 3.6	1	9205440000
A large selection of contacts can be found in our current Heavy-duty Connectors Catalogue		

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation

HTX LWL



For fibre-optical cables with

- Core diameter of 1 mm
- Crimping sleeve Ø 5.5 mm

Station 1: hexagon crimp

Station 2: round crimp (for HP connector)



Technical data

Description of contact	
Type of contact	
Station 1: A / B	
Station 2: A / B	
Station 3: A / B	
C	
D	
Tool data	
Width	200 mm
Weight	415 g
Note	
H. Ø sleeve diameter	

HTX LWL		
Fibre-optical connector		
3.15 / 6 mm		
4.85 / 6 mm		

Ordering data

Version	
Note	

Type	Qty.	Order No.
HTX LWL	1	9011360000

Crimping tools for other contacts

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation

IE-CT-SC-GOF / IE-CT-LC-GOF

Crimping tools for IP 20 + IP 67 connectors



- For fibre-optic SC/ST, IP 20 and IP 67 connectors
- For fibre-optic LC and IP 67 connectors



IE-CT-SC-POF / IE-CT-SC-GOF-P

Crimping tools for IP 20 + IP 67 connectors



- For polymer fibre-optic SC/ST, IP 20 and IP 67 connectors
- For fibre-optic, Profinet and Mobil cable SC/ST and IP 67 connectors



Technical data

Tool data
Width
Weight
Note

IE-CT-SC-GOF	IE-CT-LC-GOF
250 mm	250 mm
730 g	730 g

IE-CT-SC-POF	IE-CT-SC-GOF-P
250 mm	250 mm
730 g	730 g

Ordering data

Version
Note

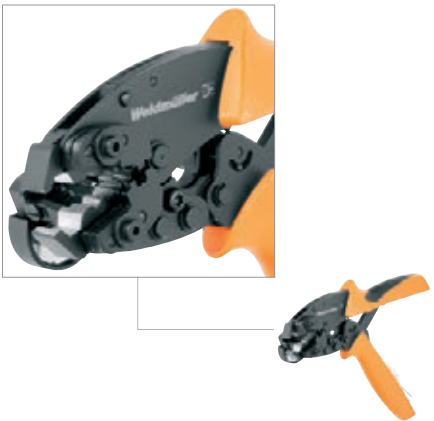
Type	Qty.	Order No.
IE-CT-SC-GOF	1	9205320000
IE-CT-LC-GOF	1	9205330000

Type	Qty.	Order No.
IE-CT-SC-POF	1	9205340000
IE-CT-SC-GOF-P	1	9205350000

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation
- With end stop for exact positioning of the contacts

HTX-IE-POF



- Only one tool needed for all SC-RJ plug processing steps
- For processing 1 mm thick polymer optical fibres, especially for the PROFINET and ETHERNET/IP-SC-RJ connectors
- For stripping Duplex polymer optical fibres
- The plugs are crimped and the POF fibres are separated, all in a single step
- Cut surfaces do not need to be polished after cutting
- Locator for precise positioning of the SC-RJ plugs
- Ergonomic handles
- High repeat accuracy

Three steps to produce IP 67 connectors:

- 1) Strip the polymer optical fibres
- 2) Crimp and separate
- 3) Crimp the strain relief

Technical data

Description of contact
Type of contact
Tool data
Width
Weight
Note

HTX-IE-POF
For 1 mm thick polymer optical fibres
220 mm
450 g

Ordering data

Version
Note

Type	Qty.	Order No.
HTX-IE-POF	1	1208870000

Crimping tools for other contacts

Crimping tool for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation
- With locator for exact positioning of the contacts

CTF PV WM4

2.5...6 mm²



- For Weidmüller WM4 photovoltaic connectors and similar plugs
- For Multi-Contact MC4 2.5 mm² to 6 mm² and similar plugs
- For Hirschmann SunCon 4 mm² and similar plugs



Technical data

Description of contact
Type of contact
Crimping range
Tool data
Width
Weight
Note

CTF PV WM4
F-plug / -sleeve
2.5...6 mm²
250 mm
730 g

Ordering data

Version
Note

Type	Qty.	Order No.
CTF PV WM4	1	1222870000

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation

HTG174 / HTX138 / HTX188



For coaxial connectors such as BNC, TNC and N plugs

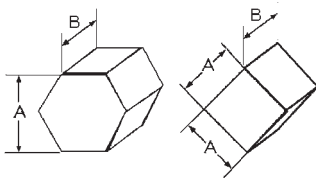
- **HTX 138**
For connectors on Twinax coaxial cable

HTG 58 / HTG 59 / HTG 58/59



For coaxial connectors such as BNC and TNC plugs

- With cable RG 58, RG 59, RG 62, RG 71



A = Width across flats
B = Crimping width
C = Ø Outer sleeve of coaxial plug
D = Ø Centre contact



Technical data

Description of contact
Type of contact
Station 1: A / B
Station 2: A / B
Station 3: A / B
C
D
Tool data
Width
Weight
Note

HTG 174	HTX 138	HTX 188
Coaxial connector	Coaxial connector	Coaxial connector
4.52 / 10 mm	8.24 / 10 mm	3.25 / 10 mm
1.72 / 2.3 mm	1.72 / 2.3 mm	1.72 / 2.3 mm
5.4 mm	9.5 mm	3.8 mm
2 mm	2 mm	2 mm
200 mm	200 mm	200 mm
420 g	420 g	420 g

HTG 58	HTG 58/59	HTG 59
Coaxial connector	Coaxial connector	Coaxial connector
5.4 / 10 mm	5.4 / 10 mm	6.48 / 10 mm
1.72 / 2.3 mm	6.48 / 10 mm	1.72 / 2.3 mm
	1.72 / 2.3 mm	
6.2 mm	6.2 mm	7.5 mm
2 mm	2 mm	2 mm
200 mm	200 mm	200 mm
420 g	420 g	420 g

Ordering data

Version
Note

Type	Qty.	Order No.
HTG 174	1	9012410000
HTX 138	1	9012400000
HTX 188	1	9011990000

Type	Qty.	Order No.
HTG 58	1	9012000000
HTG 58/59	1	9012020000
HTG 59	1	9012010000

Crimping tools for other contacts

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation

CTX 500 / 501 / 502



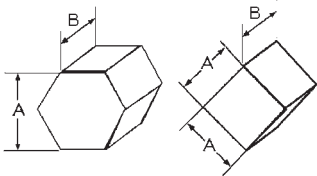
For coaxial connectors such as BNC, TNC and N plugs with coaxial cable

HTF SUB-D



For SUB-D contacts with open crimping claw

- ~AWG 28....20



A = Width across flats
B = Crimping width
C = Ø Outer sleeve of coaxial plug
D = Ø Centre contact



Technical data

Description of contact
Type of contact
Station 1: A / B
Station 2: A / B
Station 3: A / B
C
D
Tool data
Width
Weight
Note

CTX 500	CTX 501	CTX 502
Coaxial connector	Coaxial connector	Coaxial connector
10.54 / 12 mm	10.9 / 12 mm	9.3 / 12 mm
2.54 / 3.17 mm	2.45 / 3.17 mm	1.75 / 2.3 mm
12.2 mm	12.6 mm	10.7 mm
2.9 mm	2.8 mm	2 mm
250 mm	250 mm	250 mm
730 g	730 g	730 g

HTF SUB-D
SUB-D
200 mm
438 g

Ordering data

Version
Note

Type	Qty.	Order No.
CTX 500	1	9006320000
CTX 501	1	9006370000
CTX 502	1	9006380000

Type	Qty.	Order No.
HTF SUB-D	1	9013260000

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation
- With end stop for exact positioning of the contacts
- Contact and insulation are crimped in one step

HTF RSV 12 / HTF RSV 16

0.14...2.5 mm²

HTF RSV 16

- ~AWG 26...16

HTF RSV 12

- ~AWG 14...12



HTF ZRV / HTF DFF / HTF AFK 2.5

0.2...2.5 mm²

HTF DFF

For contacts from the Weidmüller DFF series

- ~AWG 24...14
- 0.22...2.5 mm²

HTF ZRV

For contacts from the Weidmüller ZRV contact system and for MKF flat contacts from Grote & Hartmann and similar designs

- ~AWG 24...17
- 0.2...1.0 mm²

HTF AFK 2.5

For FEKO ZRV contacts from Weidmüller's ZRV contact system or AFK contacts from Grote & Hartmann and similar designs

- ~AWG 24...12
- 0.2...2.5 mm²



Technical data

Description of contact
Type of contact
Crimping range
Crimping range 1 (with multiple crimping positions)
Crimping range 2 (with multiple crimping positions)
Crimping range 3 (with multiple crimping positions)
Crimping range 4 (with multiple crimping positions)
Crimping range 5 (with multiple crimping positions)
Tool data
Width
Weight
Note

HTF RSV 12	HTF RSV 16 WI
RSV and DSTV-HD	RSV and DSTV-HD
14 AWG...12 AWG	26 AWG...16 AWG
14 AWG	26 AWG...24 AWG
12 AWG	22 AWG...20 AWG
	22 AWG...20 AWG
	16 AWG...18 AWG
205 mm	205 mm
445 g	445 g

HTF ZRV	HTF DFF	HTF AFK 2.5
Weidmüller ZRV	Weidmüller DFF	Weidmüller FEKO ZRV
0.2...1 mm²	0.22...2.5 mm²	0.2...2.5 mm²
0.2...0.35 mm²	0.22...0.35 mm²	0.2...3.5 mm²
0.5...1 mm²	0.5...1 mm²	0.5...1 mm²
	1.5...2.5 mm²	1.5...2.5 mm²
200 mm	205 mm	200 mm
436 g	445 g	438 g

Ordering data

Version
Note

Type	Qty.	Order No.
HTF RSV 12	1	9013550000
HTF-RSV 12 ZERT	1	9017890000
HTF RSV 16 WI	1	9013560000
HTF RSV 16 ZERT	1	9017880000
Note		

Type	Qty.	Order No.
HTF ZRV	1	9014840000
HTF DFF	1	9014140000
HTF AFK 2.5	1	9201040000
Note		

Pressing tools

Pressing tools

- Pressing tool for modular plug connectors of the WE system (Western Electric and DEC)
- Ratchet for precise crimping
- Release option in the event of incorrect operation

3 functions:

- Pressing of plug connectors
- Pressing of enclosure shielding
- Crimping of cable shielding

TT 8 RS MP 8



For 8-pole shielded RJ45 plugs

- AWG 27...24

Pressing of IDC contacts



Pressing of shielded enclosures



Crimping of shielded cable



Technical data

Description of contact
No. of poles
Tool data
Width
Weight
Note

TT 8 RS MP 8
8
255 mm
1251 g

Ordering data

Version
Note

Type	Qty.	Order No.
TT 8 RS MP 8	1	9202800000
A large selection of RJ 45 connectors can be found in our current Industrial Ethernet Catalogue		

Pressing tools

- Pressing tool for modular plug connectors of the WE system (Western Electric and DEC)
- Ratchet for precise crimping
- Release option in the event of incorrect operation

3 functions:

- Cutting
- Stripping
- Crimping

TT 864 RS WE



For up to 8-pole flat ribbon or flat-oval data cables

- AWG 28...24
- Connection of:
 - 4-pole WE plugs
 - 6-pole (RJ12) WE plugs
 - 6-pole WE plugs (DEC)
 - 8-pole (RJ45) WE plugs
- Triple crimping for RJ45
- For AMP plugs or versions with similar design
- Other versions on request

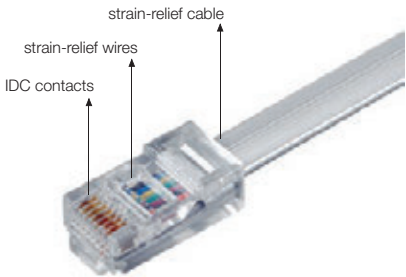


TT 1064 RS WE



For up to 10-pole flat ribbon or flat-oval data cables

- AWG 28...24
- Connection of:
 - 4-pole WE plugs
 - 6-pole (RJ12) WE plugs
 - 6-pole WE plugs (DEC)
 - 10-pole (RJ45) WE plugs
- Triple crimping for RJ45
- For AMP plugs or versions with similar design
- Other versions on request



Technical data

Tool data
Width
Weight
Note

TT 864 RS
205 mm
525 g

TT 1064 RS
205 mm
531 g

Ordering data

Version
Note

Type	Qty.	Order No.
TT 864 RS	1	9008120000
A large selection of RJ 45 connectors can be found in our current Industrial Ethernet Catalogue		

Type	Qty.	Order No.
TT 1064 RS	1	9008190000
A large selection of RJ 45 connectors can be found in our current Industrial Ethernet Catalogue		

Accessories

Note

Type	Qty.	Order No.
ERSATZMESSERSATZ TT864	1	9008130000

Type	Qty.	Order No.
ERSATZMESSERSATZ TT864	1	9008130000

Mechanical and electrohydraulic cutting and crimping tool

The precision tools from Weidmüller are worldwide in use. This is a responsibility Weidmüller takes seriously, offering comprehensive services to support this global use.

Cables with large cross-sections are used in the generation and distribution of electricity. Reliable and safe connections and user-friendly processing of the cables must be guaranteed. These represent benchmarks of technological advances that are growing in importance.



EPG Cut 40 battery-powered hydraulic cutting tool

- Electrohydraulic battery-powered cutting tool
- Cutting of CU-AL conductors up to Ø 40 mm
- Quick closure head rotatable up to 360°
- Automatic pressure limiting and monitoring with pressure sensor
- Motor switch-off and automatic return after completed cutting process
- Electronic control and monitoring of the cutting process
- Integrated service management and software updates via USB
- Multi-function electronics with sleep mode, maintenance display and battery monitoring
- Li-Ion battery with charge state display

EPG CUT 40



Technical data

Description of contact
Punching force
Tool data
Depth x width x height / Weight
Note

EPG CUT 40
30 kN
81 / 440 / 124 mm / 6400 GRM
Weight incl. battery

Ordering data

Version
Note

Type	Qty.	Order No.
EPG CUT 40	1	2453830000

Accessories

Replacement battery Li-Ion 18 V, 1.5 Ah
Charger
Note

Type	Qty.	Order No.
AKKU EPG	1	1500840000
LADEGERAET EPG	1	1509370000

Crimping tools PZ PK 6/70 and PZ RK 6/70

Crimping tools

The cross section can be adjusted by turning the in-built revolving dies. So there is no need of changing dies. Furthermore this tool points by small measurements, light weight, optimized transmission ratio and an extremely high crimping quality due to precisely guided dies.

PZ PK 6/70



Crimping tool for crimping compression cable lugs DIN 46235, compression connectors DIN 46267, aluminium cable lugs and connectors.

Crimping profile: hexagonal-shape with control embossing

PZ RK 6/70



Crimping tool for crimping tubular cable lugs and connectors of the euro-series

Crimping profile: all around WM Style Crimp with control embossing



Technical data

Processing area
Crimping range
Al mm ²
Crimping width
Tool data
Depth
Weight
Note

PZ PK 6/70
6...70 mm ²
10 ... 50 mm ²
5 mm
515 mm
2000 g

PZ RK 6/70
6...70 mm ²
5 mm
515 mm
2000 g

Ordering data

Version
Note

Type	Qty.	Order No.
PZ PK 6/70	1	1500470000

Type	Qty.	Order No.
PZ RK 6/70	1	1500440000

Crimping tools

The cross section can be adjusted by turning the in-built revolving crimp insert. So there is no need of changing crimp inserts.

PZ PK 10/120



Crimping tool for crimping compression cable lugs DIN 46235, compression connectors DIN 46267, aluminium cable lugs and connectors

Crimping profile: hexagonal-shape with control embossing



PZ RK 10/120



Crimping tool for crimping tubular cable lugs and connectors of the euro-series. Furthermore this tool points by small measurements, light weight and an extremely high crimping quality due to WM-crimping.

Crimping profile: all around WM Style Crimp with control embossing



Technical data

Processing area
Crimping range
Al mm ²
Crimping width
Tool data
Depth
Weight
Note

PZ PK 10/120
10...120 mm ²
10 ... 70 mm ²
5 mm
660 mm
4100 g

PZ RK 10/120
10...120 mm ²
5 mm
660 mm
4100 g

Ordering data

Version
Note

Type	Qty.	Order No.
PZ PK 10/120	1	1500480000

Type	Qty.	Order No.
PZ RK 10/120	1	1500450000

Crimping tool EPG 45

Hydraulic battery crimping tool 45 kN

Battery-powered hydraulic compression hand-crimping tool for crimp cable lugs and connectors up to 150 mm².

- extremely quick processing due to a three-stage axial piston pump
- wide application range up to 150 mm²
- 270° revolving head with quick opening and closing
- because of a flap closure easy working also in places with difficult access
- automatic pressure limits and monitoring through pressure sensor
- engine shutdown and automatic retract after completed pressing
- electronic regulation and supervision of the press process
- manual retract
- save of all crimps and error messages on internal memory
- selections of all cycles and error messages about USB interface
- no uncompleted pressing cycles through ongoing monitoring of the rest battery cargo load
- controlled engine drive to the life extension of gearbox, engine and battery
- integrated service management and software updates about the USB interface
- fast tool return pipe through high return flow volume
- sleep-mode; maintenance indication and battery control
- integrated, intelligent electronics assembly with multifunctional LED
- mini-USB interface for all standard computer systems for:
 - Crimping force graph and error indication
 - Service Check up
- Li-Ion battery with charge level indicator: 18 V 1.5 Ah

EPG 45



Included in delivery

- Hydraulic tool including 1x battery and 1x battery charger
- Manual
- Software
- USB connection cable
- Carrying bag for tool and Crimping inserts



Technical data

Description of contact
Drive
Pressing force / Deviation
Crimping range
Charging time
Tool data
Depth / Width / Height
Weight
Note

EPG 45
Electro-hydraulic
45 kN / 16 mm
6...150 mm ²
0.5 h
80 / 370 / 123 mm
2500 g
Weight incl. rechargeable battery

Range of application	Ø mm ²
Crimping inserts WM-shape for euro-series	6 - 150
Hexagonal crimping inserts for compression cable lugs (DIN 46235) + connectors (DIN 46267)	6 - 150 (K5-K22)
Mandrel crimping inserts for compression terminals DIN 46234	6 - 50

Ordering data

Version
Note

Type	Qty.	Order No.
EPG 45	1	1500830000

Accessories

Replacement battery Li-Ion 18 V, 1.5 Ah
Charger
Note

Type	Qty.	Order No.
AKKU EPG	1	1500840000
LADEGERAET EPG	1	1509370000

WM-shape crimp inserts

- For processing cable lugs and connectors from the Euro series

Ordering data

Cu mm ²	Crimping width, mm	Type	Order No.
6	7	ES EPG 45 WM 6	1500850000
10/70	7/5	ES EPG 45 WM 10/70	1500870000
16/35	7/5	ES EPG 45 WM 16/35	1500920000
25/50	12/5	ES EPG 45 WM 25/50	1500880000
95	5	ES EPG 45 WM 95	1500890000
120	5	ES EPG 45 WM 120	1500900000
150	5	ES EPG 45 WM 150	1994550000

**Hexagonal crimp inserts**

- For Crimping compression cable lugs DIN 46235
- CU crimp connectors DIN 46267 Part 1
- Al and Al/Cu compression cable lugs and connectors

Ordering data

Identification No.	Cu mm ²	Al mm ²	Crimping width, mm	Type	Order No.
5	6		7	ES EPG 45 HEX 6	1500930000
6/16	10/70	-/50	7/5	ES EPG 45 HEX 10/70	1500940000
8/12	16/35	-/16+25	12/5	ES EPG 45 HEX 16/35	1500950000
10/14	25/50	10/35	12/5	ES EPG 45 HEX 25/50	1500970000
18	95	70	5	ES EPG 45 HEX 95	1500980000
20	120		5	ES EPG 45 HEX 120	1500990000
22	150		5	ES EPG 45 HEX 150	1994540000

**Indent crimp inserts**

- For crimp cable lugs DIN 46234
- Pin cable lugs DIN 46230
- Connectors, DIN 46341 Part 1

Ordering data

Cu mm ²	Crimping width, mm	Type	Order No.
6	6	ES EPG 45 DIN 6	1501290000
10	8	ES EPG 45 DIN 10	1501320000
16	10	ES EPG 45 DIN 16	1501330000
25	12	ES EPG 45 DIN 25	1501340000
35	12	ES EPG 45 DIN 35	1501350000
50	12	ES EPG 45 DIN 50	1501370000
70	12	ES EPG 45 DIN 70	1501380000



Crimping tools EPG 60 and HPG 60

Crimping tools EPG 60 and HPG 60

- Electrohydraulic battery-powered crimping tool
- Processing of cable lugs and connectors up to 300 mm²
- Quick-closure head rotatable up to 270°
- Automatic pressure limiting and monitoring with pressure sensor
- Motor switch-off and automatic return after completed crimping process
- Electronic control and monitoring of the crimping process
- Integrated service management and software updates via USB
- Multi-function electronics with sleep mode, maintenance display and battery monitoring
- Li-Ion battery with charge state display

EPG 60



HPG 60



Technical data

Description of contact
Pressing force / Deviation
Operating voltage
Crimping range
Charging time
Tool data
Depth / Width / Height
Weight
Note

EPG 60
60kN / 17 mm
18 V DC
6...300 mm ²
0.5 h
80 / 385 / 125 mm
3300 g
Weight incl. battery

HPG 60
60kN /
6...300 mm ²
/ 500 /
4350 g
Weight incl. battery

Ordering data

Version
Note

Type	Qty.	Order No.
EPG 60	1	2453810000

Type	Qty.	Order No.
HPG 60	1	2453820000

Accessories

Replacement battery Li-Ion 18 V, 1.5 Ah
Charger
Note

Type	Qty.	Order No.
AKKU EPG	1	1500840000
LADEGERAET EPG	1	1509370000

WM-shape crimp inserts

- For crimping cable lugs and connectors of the Euro series

Ordering data

Cu mm ²	Crimping width, mm	Type	Order No.
6	7	ES EPG 60 WM 6	2469380000
10	7	ES EPG 60 WM 10	2469540000
16	7	ES EPG 60 WM 16	2469550000
25	12	ES EPG 60 WM 25	2469560000
35	5	ES EPG 60 WM 35	2469570000
50	5	ES EPG 60 WM 50	2469580000
70	5	ES EPG 60 WM 70	2469590000
95	5	ES EPG 60 WM 95	2469600000
120	5	ES EPG 60 WM 120	2469610000
150	5	ES EPG 60 WM 150	2469620000
185	5	ES EPG 60 WM 185	2469630000
240	5	ES EPG 60 WM 240	2469640000
300	5	ES EPG 60 WM 300	2469650000

**Hexagonal crimp inserts**

- For Crimping compression cable lugs DIN 46235
- CU crimp connectors DIN 46267 Part 1
- Al and Al/Cu compression cable lugs and connectors

Ordering data

Identification No.	Cu mm ²	Al mm ²	Crimping width, mm	Type	Order No.
5	6		7	ES EPG 60 HEX 6	2505150000
6	10		7	ES EPG 60 HEX 10	2505160000
8	16		5	ES EPG 60 HEX 16	2505170000
10	25	10	5	ES EPG 60 HEX 25	2505180000
12	35	16+25	5	ES EPG 60 HEX 35	2505190000
14	50	35	5	ES EPG 60 HEX 50	2505200000
16	70	50	5	ES EPG 60 HEX 70	2505210000
18	95	70	5	ES EPG 60 HEX 95	2505220000
20	120		5	ES EPG 60 HEX 120	2505230000
22	150	95+120	5	ES EPG 60 HEX 150	2505240000
25	185	150	5	ES EPG 60 HEX 185	2505250000
28	240	185	5	ES EPG 60 HEX 240	2505260000
32	300	240	5	ES EPG 60 HEX 300	2505270000

**Indent crimp inserts**

- For crimping cable lugs DIN 46234
- Pin cable lugs DIN 46230
- Connector DIN 46341 Part 1

Ordering data

Cu mm ²	Crimping width, mm	Type	Order No.
6	5	ES EPG 60 DIN 6	2505280000
10	7	ES EPG 60 DIN 10	2505290000
16	10	ES EPG 60 DIN 16	2505300000
25	10	ES EPG 60 DIN 25	2505310000
35	10	ES EPG 60 DIN 35	2505320000
50	12	ES EPG 60 DIN 50	2505330000
70	12	ES EPG 60 DIN 70	2505340000
95	16	ES EPG 60 DIN 95	2505350000
120	16	ES EPG 60 DIN 120	2505360000

**Crimp inserts for insulated crimp cables****Ordering data**

Cu mm ²	Crimping width, mm	Type	Order No.
10	7	ES EPG 60 ISO 10	2577940000
16	7	ES EPG 60 ISO 16	2577950000

**Trapezoidal crimp inserts****Ordering data**

Cu mm ²	Crimping width, mm	Type	Order No.
25	22	ES EPG 60 AEH 25	2577810000
35	22	ES EPG 60 AEH 35	2577820000
50	22	ES EPG 60 AEH 50	2577830000
70	22	ES EPG 60 AEH 70	2577850000
95	22	ES EPG 60 AEH 95	2577870000
120	22	ES EPG 60 AEH 120	2577880000
150	22	ES EPG 60 AEH 150	2577900000
185	22	ES EPG 60 AEH 185	2577930000



Crimping tools APG 80

Battery-powered compression tool APG 80

Electro-hydraulic battery hand press device for processing cable lugs and connectors of up to 400 mm².

- Extremely fast processing thanks to two-stage hydraulic pump
- Large processing range up to 400 mm²²
- 360° revolving quick-action crimping head
- Pressure release button actuated from both sides (left and right-handed use) in single-handed operation
- Integrated overpressure valve, no damage to tool or inserts even in the event of mispressings
- Lithium ion battery technology, therefore no memory effect, very low self-discharge
- High capacity due to 3.0 Ah battery
- Fixing lugs available for balancer and carry strap
- Ergonomic handle and balanced weight distribution ensure fatigue-free and safe operation
- The enclosure, handle shell and pressure release button are made entirely from insulating and impact-resistant plastic material
- All-purpose usage: inserts are available for all cable lug types
- Integrated electronics module for:
 - Permanent battery charge level monitoring
 - Monitoring of the working cycle and status display
 - Display of next service interval
 - Error display in the event of malfunctions

APG 80

6...400 mm²



Included in delivery

- Battery-powered compression tool with battery and battery charger
- supporting loop for transport and safety
- transport plastic case



Technical data

Description of contact
Pressing force / Deviation
Operating voltage
Crimping range
Charging time
Tool data
Depth / Width / Height
Weight
Note

APG 80
80 kN /
14.4 V
6...400 mm ²
1 h
95 / 406 / 310 mm
8360 GRM

Ordering data

Version
Note

Type	Qty.	Order No.
APG 80	1	1502390000

Accessories

Replacement battery Li-Ion 18 V, 1.5 Ah
Charger
Note

Type	Qty.	Order No.
AKKU APG/AKT	1	1502140000
LADEGERAET APG/AKT	1	1502170000

WM-shape crimp inserts

- For processing cable lugs and connectors from the Euro series

Ordering data

Cu mm ²	Crimping width, mm	Type	Order No.
6	7	ES APG 80 WM 6	1502430000
10	7	ES APG 80 WM10	1502440000
16	7	ES APG 80 WM 16	1502470000
25	12	ES APG 80 WM 25	1502480000
35	12	ES APG 80 WM 35	1502490000
50	12	ES APG 80 WM 50	1502500000
70	12	ES APG 80 WM 70	1502520000
95	12	ES APG 80 WM 95	1502530000
120	12	ES APG 80 WM 120	1502540000
150	5	ES APG 80 WM 150	1502550000
185	5	ES APG 80 WM 185	1502570000
240	7	ES APG 80 WM 240	1502580000
300	7	ES APG 80 WM 300	1502590000
	7	ES APG80 WM 400	2578060000

**Hexagonal crimp inserts**

- For crimping compression copper cable lugs DIN 46235
- Compression copper connectors DIN 46267 part 1
- Aluminium and aluminium/copper cable lugs and connectors

Ordering data

Identification No.	Cu mm ²	Al mm ²	Crimping width, mm	Type	Order No.
5	6	7		ES APG 80 HEX 6	1502600000
6	10	7		ES APG 80 HEX 10	1502620000
8	16	12		ES APG 80 HEX 16	1502630000
10	25	16	12	ES APG 80 HEX 25	1502640000
12	35	25	12	ES APG 80 HEX 35	1502650000
14	50	35	12	ES APG 80 HEX 50	1502670000
16	70	50	12	ES APG 80 HEX 70	1502680000
18	95	70	10	ES APG 80 HEX 95	1502690000
20	120		10	ES APG 80 HEX 120	1502700000
22	150	95+120	5	ES APG 80 HEX 150	1502720000
25	185	150	5	ES APG 80 HEX 185	1502730000
28	240	185	5	ES APG 80 HEX 240	1502740000
32	300	240	7	ES APG 80 HEX 300	1502750000
32		300	7	ES APG 80 HEX 300AL	1502780000

**Indent crimp inserts**

- For crimp cable lug DIN 46234
- Pin cable lugs DIN 46230
- Connectors, DIN 46341 Part 1

Ordering data

Cu mm ²	Crimping width, mm	Type	Order No.
6	6	ES APG 80 DIN 6	1502820000
10	8	ES APG 80 DIN 10	1502830000
16	10	ES APG 80 DIN 16	1502840000
25	11	ES APG 80 DIN 25	1502850000
35	11	ES APG 80 DIN 35	1502870000
50	16	ES APG 80 DIN 50	1502880000
70	16	ES APG 80 DIN 70	1502890000
95	16	ES APG 80 DIN 95	1502900000
120	16	ES APG 80 DIN 120	1502790000
150	16	ES APG 80 DIN 150	1502800000
185	8	ES APG 80 DIN 185	1501800000
240	8	ES APG 80 DIN 240	1501820000

**Trapezoidal crimp inserts**

- For the processing of isolated and non-isolated wire-end ferrules
- Pressing width 24 mm (with 10 to 120 mm²)
- Pressing width 38 mm (with 150 to 240 mm²)

Ordering data

Cu mm ²	Crimping width, mm	Type	Order No.
50	24	ES APG 80 AEH 50	1502050000
70	24	ES APG 80 AEH 70	1502070000
95	24	ES APG 80 AEH 95	1502080000
120	24	ES APG 80 AEH 120	1502090000
150	38	ES APG 80 AEH 150	1502100000



Battery / Battery charger

Spare Li-Ion battery for APG

Ordering data

Type	Battery	Weight	Order No.
AKKU APG/AKT	Li-Ion 14.4 V / 3.0 Ah	560 g	1502140000



Spare Li-Ion battery for EPG 45

Ordering data

Type	Battery	Weight	Order No.
AKKU EPG	Li-Ion 18 V / 1.5 Ah	490 g	1500840000



Charger for APG

Ordering data

Type	Electrical connection	Voltage range	Order No.
LADEGERAET APG/AKT	220 - 240 V / 50 - 60 Hz	7,2 - 18 V	1502170000
LADEGERAET APG/AKT 120 V	220 - 240 V / 50 - 60 Hz	7,2 - 18 V	1509390000



Charger for EPG

Ordering data

Type	Electrical connection	Voltage range	Order No.
LADEGERAET EPG	220 - 240 V / 50 - 60 Hz	7,2 - 18 V	1509370000
LADEGERAET EPG 45 120V	220 - 240 V / 50 - 60 Hz	7,2 - 18 V	1509380000



Insertion tool for twisted-pair cable

Insertion tool for twisted-pair cable

For connecting twisted-pair cable to terminal rails with IDC contacts e.g. in main and floor distributors, and in modular wall junction boxes for structured building cabling.

PDT



The punch-down tool has the following features:

- Mechanism made from metal components
- Adjustable pressing force for conductor sizes AWG 20 to AWG 28
- Different blades for connector blocks of type 110 from AT&T, type 66, type LSA Plus from Krone (standard and scissors cutting function) as well as for telephone outlets 630A6
- Incision blades with 2 functions: incision or incision with cutting off of remaining conductor
- Storage compartment for one blade

A = PD blade 110

B = PD blade 66

C = PD blade 630

D = PD blade Krone LSA (standard)

E = PD blade Krone LSA (scissors)



Technical data

Depth / Width / Height
Weight
Note

PUNCH DOWN TOOL PDT
37 / 160 / 29 mm
142 g

Ordering data

Version
Note

Type	Qty.	Order No.
PUNCH DOWN TOOL PDT	1	9013970000
		(without blade)

Accessories

Note

Type	Qty.	Order No.
ERME LSA PLUS SCHERE	1	9014050000

Removal Tool CM3, CM5, HD

Removal Tool HD

CM3 Removal Tool

Contact release tool for freeing crimp contacts in the Concept CM3 module

CM5 Removal Tool

Contact release tool for freeing crimp contacts in the Concept CM5 module

HD Removal Tool

Contact release tool for freeing crimp contacts in the Concept CM10 module

Ordering data

Type	Qty.	Order No.
REMOVAL TOOL HD	1	1866730000
Removal Tool CM 3	1	1866710000
Removal Tool CM 5	1	1866720000



Removal Tool CM20

Removal Tool CM 20

Contact release tool for freeing crimp contacts in the Concept CM20 module

Ordering data

Type	Qty.	Order No.
Removal Tool CM 20	1	1866740000



Removal Tool HE

Removal Tool HE

Contact release tool for the ConCept HE module and for releasing crimp contacts in the ConCept CM4 module

Ordering data

Type	Qty.	Order No.
Removal Tool HE	1	1866750000



HDC-DW RSV 1.6

Contact release tool for the ConCept module, or for dismantling stamped HD pin and socket contacts of type CB/CS and GB/GS

Ordering data

Type	Qty.	Order No.
DW RSV 1.6	1	9004530000



Removal Tool AFK

Contact release tool for loosening FEKO ZRV contacts.

Ordering data

Type	Qty.	Order No.
Removal Tool AFK	1	1866760000



Replacement sleeve for contact release tool

Ordering data

Type	Qty.	Order No.
HÜLSE REMOVAL TOOL HD	5	1044100000
HÜLSE REMOVAL TOOL CM 3	5	1044080000
HÜLSE REMOVAL TOOL CM 5	5	1044090000



Tools for polymer optical fibres

HTX-HDC/POF**POF crimping**

Crimping of "polymer optical fibre" (POF) fibre-optical contacts.

- For plug and socket
- Ratchet for precise crimping
- Unlocks in case of incorrect operation
- Locator for precise contact positioning

Contacts:

- Fibre-optic cable HD contact socket for Ø1.0 mm POF
- Fibre-optic cable HD contact pin for Ø 1.0 mm POF

Ordering data

Type	Qty.	Order No.
HTX-HDC/POF	1	9010950000

Technical data

Depth	
Weight	438 g

**PB LWL/POF / PS LWL/POF****POF polishing**

For processing the cut surface of fibre-optic cables with polymer optical fibre (POF).

- Buffing disc (PS LWL/POF)
- Buffing sheet (PB LWL/POF)

Ordering data

Type	Qty.	Order No.
PB LWL/POF	1	9020400000
PS LWL/POF	1	9020390000

**AM LWL/POF****POF stripping**

Stripping fibre-optic cables. Fibre-optic cable with polymer optical fibres (POF).

- Longitudinal stop with scale is built into the tool
- Stripping direction is lengthwise to the fibre
- No damage to the optical fibre

Ordering data

Type	Qty.	Order No.
AM LWL/POF	1	9020360000

**LWL-stripax®**

Stripping and cutting tool for plastic fibre-optic cables with 1 mm diameter inner conductor

- Stripping length adjustable via end stop
- Automatic opening of the clamping jaws after stripping

Ordering data

Type	Qty.	Order No.
M-D-STRIPAX LWL	1	9003750000



Cable tie tools

RT 1

WSM Tool

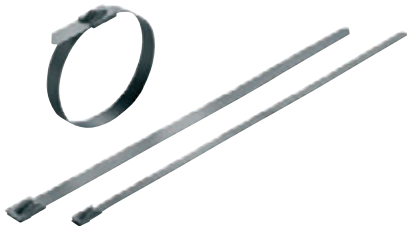


For plastic cable ties with widths of 2.5...4.8 mm and a thickness of up to 1.6 mm.

- Tensioning and separating of cable ties in one step
- The tensioning force can be adjusted over a wide range to cover small to standard cable ties.
- For cable bundles of 1.6 mm to 100 mm diameter

For steel cable ties, 4.6 mm wide

- Tensioning and automatic separation of projecting cable ties in one step
- For steel cable ties, e.g. Weidsteel from Weidmüller



Technical data

Depth
Weight
Note

KABELBINDERZANGE RT-1		
	20 mm	
	260 g	

WSM TOOL AUTOMATIK		
	20 mm	
	579 g	

Ordering data

Version
Note

Type	Qty.	Order No.
KABELBINDERZANGE RT-1	1	1296000000

Type	Qty.	Order No.
WSM TOOL AUTOMATIK	1	1774470000

Cable tie tools

Cable tie tools

WSM Tool



For steel cable ties, 4.6 mm wide

- For pulling the steel cable ties tight; afterwards the cable tie can be removed by turning it 90°.



Technical data

Depth
Weight
Note

WSM TOOL MANUELL
20 mm
633 g

Ordering data

Version
Note

Type	Qty.	Order No.
WSM TOOL MANUELL	1	1774480000

Operating aid for hand tools

- Simple hand tool mounting
- Can be used with all conventional hand tools
- Less manual force needed thanks to leverage
- Fast tool change
- Maintenance-free
- For medium-sized batches

EASYCRIMP



- Operating aid for mechanical crimping tools
- Reliable quality from Weidmüller
- Wire-end ferrules, cable lugs and connectors



Technical data

Drive
Fixing max.
Fixing min.
Grip width max.
Grip width max.
Grip height min.
Lever travel max.
Lever travel min.
Width / Depth / Height
Weight
Note

EASYCRIMP
mechanical
68 mm
35 mm
28 mm
22 mm
12 mm
230 mm
140 mm
230 / 125 / 255 mm
5 kg

Ordering data

Version
Note

Type	Qty.	Order No.
EASYCRIMP	1	2000360000

