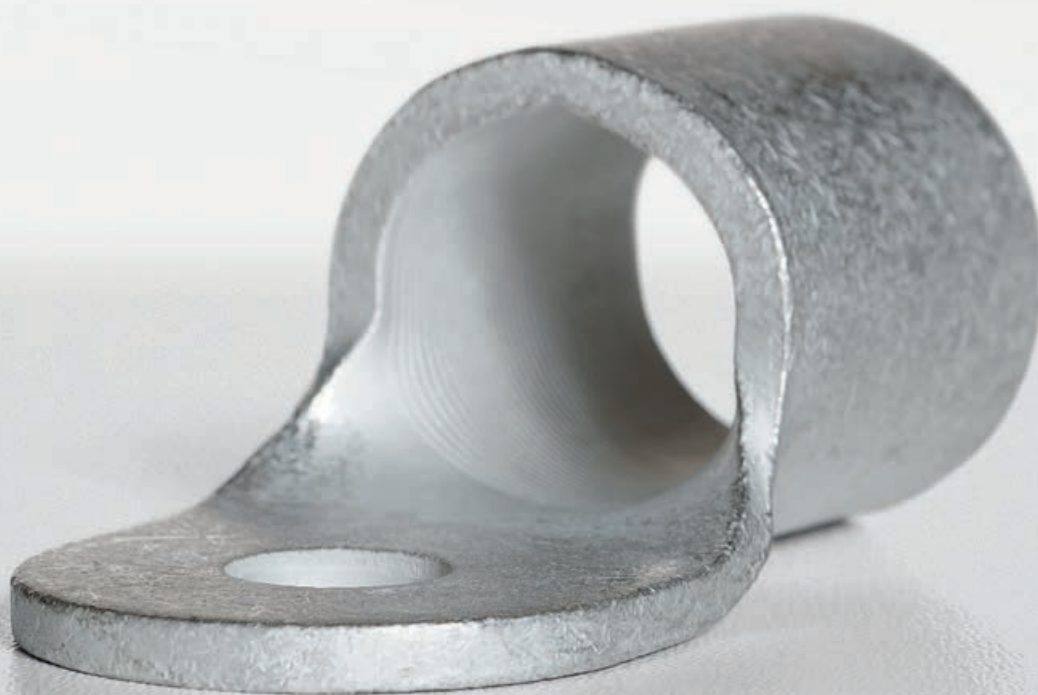




# PUNCHED - SOLDERLESS TERMINALS MADE FROM COPPER TO DIN 46234

Unlike the tubular cable lugs, Klauke solderless terminals are punched from a sheet, bent and then hard soldered in the crimp area. The grooved profile on the inside ensures higher conductor pull-out values. This product's small dimensions make it the ideal solution for confined areas.



#### In brief

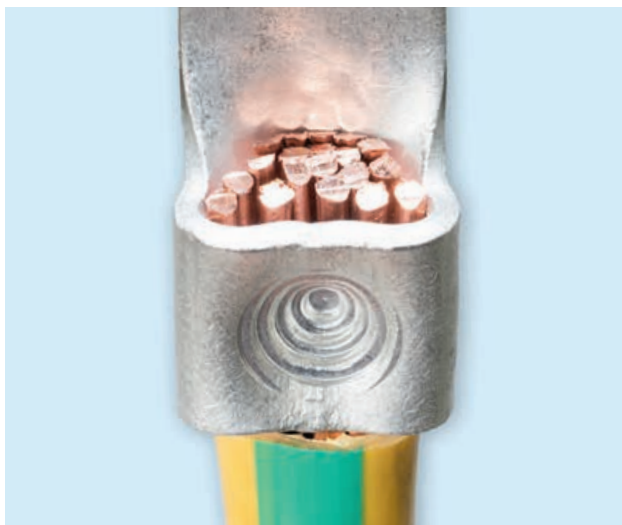
- ▶ Reliable crimping due to high-quality solder seam
- ▶ Small dimensions for confined areas
- ▶ Suitable for multi-stranded, fine-stranded and superfine-stranded conductors



**▶ Hard soldered for reliable contact**

The quality of Klauke cable lugs is also evident during the crimping operation: The solderless terminal always remains intact due to the high-quality solder seam. Guaranteed quality.

- Reliable contact due to high-quality solder seam and tinning
- Best possible contacting with ribbed profile
- Optimum solution for confined areas thanks to highly-compact dimensions
- Insulated and non-insulated versions



**▶ Well insulated**

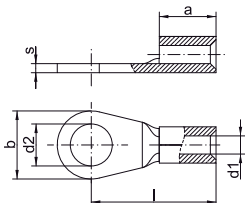
Klauke products make your day-to-day work easier. Thanks to the widened insulation, the conductor can be very conveniently inserted into our insulated solderless terminals. The insulation remains intact even after crimping, eliminating the need for retrospective insulation. Everything accomplished in one operation.

- Easy to use thanks to widened sleeve
- No additional insulation, hence fast processing
- As a fork-type, ideal for connecting meters in confined areas for example
- Easy conductor insertion thanks to widened sleeve





### Solderless terminals to DIN, Cu



- ▶ For round conductors, e.g. to DIN EN 60228 Cl. 2, 5 and 6
- ▶ To DIN 46234
- ▶ High-quality brazing process in the crimp area



#### Characteristics

- Improved contact properties due to grooved profile



#### Material

- Copper (ETP)



#### Surface

- Tin-plated to protect against corrosion



#### Technical instructions

- Tool: see page 82

#### Additional information

- \* = not standardised
- 0.5 - 6 mm<sup>2</sup> not UL-tested

Nominal cross section mm <sup>2</sup>	Nominal size to DIN	Part No.	Hint	Dimension mm						Weight/ 100 pcs. ~ kg	Packing unit/pcs
				a	b	d1	d2	l	s		
0.5 - 1	2.5 - 1	<b>162025</b>		5	6	1.6	2.8	11	0.8	0.060	100
	3 - 1	<b>16203</b>		5	6	1.6	3.2	11	0.8	0.060	100
	3.5 - 1	<b>162035</b>		5	6	1.6	3.7	11	0.8	0.055	100
	4 - 1	<b>16204</b>		5	8	1.6	4.3	12	0.8	0.070	100
	5 - 1	<b>16205</b>		5	10	1.6	5.3	13	0.8	0.090	100
	6 - 1	<b>16206</b>	*	5	11	1.6	6.5	15	0.8	0.080	100
	8 - 1	<b>16208</b>	*	5	14	1.6	8.4	17	0.8	0.130	100
	10 - 1	<b>162010</b>	*	5	18	1.6	10.5	19	0.8	0.130	100
1.5 - 2.5	3 - 2.5	<b>16303</b>		5	6	2.3	3.2	11	0.8	0.065	100
	4 - 2.5	<b>16304</b>		5	8	2.3	4.3	12	0.8	0.080	100
	3.5 - 2.5	<b>163035</b>		5	6	2.3	3.7	11	0.8	0.065	100
	5 - 2.5	<b>16305</b>		5	10	2.3	5.3	14	0.8	0.090	100
	6 - 2.5	<b>16306</b>		5	11	2.3	6.5	16	0.8	0.110	100
	8 - 2.5	<b>16308</b>		5	14	2.3	8.4	17	0.8	0.130	100
	10 - 2.5	<b>163010</b>	*	5	15	2.3	10.5	17	0.8	0.160	100
12 - 2.5	<b>163012</b>	*	5	18	2.3	13.0	19	0.8	0.160	100	
4 - 6	4 - 6	<b>16504</b>		6	8	3.6	4.3	14	1.0	0.140	100
	5 - 6	<b>16505</b>		6	10	3.6	5.3	15	1.0	0.160	100
	6 - 6	<b>16506</b>		6	11	3.6	6.5	16	1.0	0.170	100
	8 - 6	<b>16508</b>		6	14	3.6	8.4	19	1.0	0.220	100
	10 - 6	<b>165010</b>		6	18	3.6	10.5	21	1.0	0.290	100
	12 - 6	<b>165012</b>	*	6	18	3.6	13.0	21	1.0	0.280	100
10	5 - 10	<b>16525</b>		8	10	4.5	5.3	16	1.1	0.230	100
	6 - 10	<b>16526</b>		8	11	4.5	6.5	17	1.1	0.24	100
	8 - 10	<b>16528</b>		8	14	4.5	8.4	20	1.1	0.340	100
	10 - 10	<b>165210</b>		8	18	4.5	10.5	21	1.1	0.340	100
	12 - 10	<b>165212</b>		8	22	4.5	13.9	23	1.1	0.420	100
16	5 - 16	<b>16535</b>		10	11	5.8	5.3	20	1.2	0.390	100
	6 - 16	<b>16536</b>		10	11	5.8	6.5	20	1.2	0.380	100
	8 - 16	<b>16538</b>		10	14	5.8	8.4	22	1.2	0.43	100
	10 - 16	<b>165310</b>		10	18	5.8	10.5	24	1.2	0.500	100
	12 - 16	<b>165312</b>		10	18	5.8	10.5	24	1.2	0.500	100

see next page

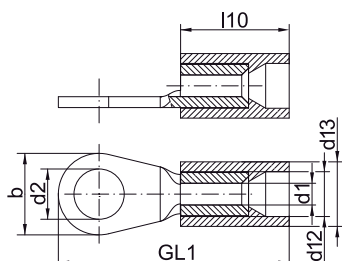


## Solderless terminals to DIN, Cu

Nominal cross section mm <sup>2</sup>	Nominal size to DIN	Part No.	Hint	Dimension mm						Weight/100 pcs. ~ kg	Packing unit/pcs
				a	b	d1	d2	l	s		
25	5 - 25	<b>16545</b>		11	12	7.5	5.3	25	1.5	0.750	100
	6 - 25	<b>16546</b>		11	12	7.5	6.5	25	1.5	0.750	100
	8 - 25	<b>16548</b>		11	16	7.5	8.4	25	1.5	0.750	100
	10 - 25	<b>165410</b>		11	18	7.5	10.5	26	1.5	0.750	100
	12 - 25	<b>165412</b>		11	22	7.5	13.0	31	1.5	0.920	100
	16 - 25	<b>165416</b>		11	28	7.5	17.0	35	1.5	1.320	100
35	6 - 35	<b>16556</b>		12	16	9.0	8.4	26	1.6	0.980	100
	8 - 35	<b>16558</b>		12	16	9.0	8.4	26	1.6	0.980	100
	10 - 35	<b>165510</b>		12	18	9.0	10.5	27	1.6	1.000	100
	12 - 35	<b>165512</b>		12	22	9.0	13.0	31	1.6	1.260	100
	16 - 35	<b>165516</b>		12	28	9.0	17.0	36	1.6	1.550	100
50	6 - 50	<b>16566</b>		16	18	11.0	6.5	34	1.8	1.650	100
	8 - 50	<b>16568</b>		16	18	11.0	8.4	34	1.8	1.650	100
	10 - 50	<b>165610</b>		16	18	11.0	10.5	34	1.8	1.600	100
	12 - 50	<b>165612</b>		16	22	11.0	13.0	36	1.8	1.800	100
	16 - 50	<b>165616</b>		16	28	11.0	17.0	40	1.8	2.100	100
70	6 - 70	<b>16576</b>		18	22	13.0	6.5	38	2.0	2.600	50
	8 - 70	<b>16578</b>		18	22	13.0	8.4	38	2.0	2.500	50
	10 - 70	<b>165710</b>		18	22	13.0	10.5	38	2.0	2.500	50
	12 - 70	<b>165712</b>		18	22	13.0	13.0	38	2.0	2.400	50
	16 - 70	<b>165716</b>		18	28	13.0	17.0	42	2.0	2.700	50
95	8 - 95	<b>16588</b>		20	24	15.0	8.4	42	2.5	4.300	50
	10 - 95	<b>165810</b>		20	24	15.0	10.5	42	2.5	4.1	50
	12 - 95	<b>165812</b>		20	24	15.0	13.0	42	2.5	3.900	50
	16 - 95	<b>165816</b>		20	28	15.0	17.0	44	2.5	4.100	50
120	8 - 120	<b>16598</b>		22	24	17.0	8.4	44	3.0	5.601	50
	10 - 120	<b>165910</b>		22	24	17.0	10.5	44	3.0	5.600	50
	12 - 120	<b>165912</b>		22	24	17.0	13.0	44	3.0	5.400	50
	16 - 120	<b>165916</b>		22	28	17.0	17.0	48	3.0	5.800	50
150	10 - 150	<b>166010</b>		24	30	19.0	10.5	50	3.2	7.600	50
	12 - 150	<b>166012</b>		24	30	19.0	13.0	50	3.2	7.600	50
	16 - 150	<b>166016</b>		24	30	19.0	17.0	50	3.2	7.500	50
185	12 - 185	<b>166112</b>		28	36	21.0	13.0	50	3.5	11.300	50
	16 - 185	<b>166116</b>		28	36	21.0	17.0	50	3.5	11.300	50
240	12 - 240	<b>166212</b>		32	38	23.5	13.0	56	4.0	15.900	25
	16 - 240	<b>166216</b>		32	38	23.5	17.0	56	4.0	15.900	25



### Insulated solderless terminals, Cu with Easy-Entry



- ▶ For round conductors, e.g. to DIN EN 60228 Cl. 2, 5 and 6
- ▶ High-quality brazing process in the crimp area
- ▶ Fast preparation as no additional insulation of the crimped connection is required
- ▶ Simple processing due to crimping over the insulation
- ▶ Insulation sleeve halogen-free

#### Characteristics

- Insulating, halogen-free with easy-entry cable insertion
- Dimensions in tube according to DIN 46234
- Improved contact properties due to grooved profile
- Cross-section-dependent colour-coding
- Heat resistant to 105° C

#### Material

- Copper (ETP)
- Insulation sleeve: PA

#### Surface

- Tin-plated to protect against corrosion

#### Technical instructions

- Tool: see page 84

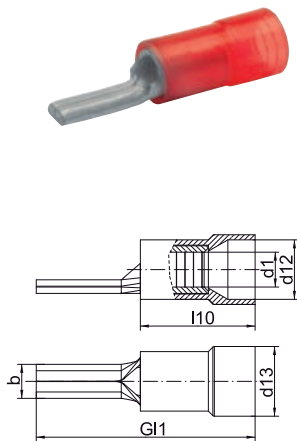
Nominal cross section mm <sup>2</sup>	Part No.	Colour	Dimension mm							Weight 100 pcs. ~kg Cu	Weight 100 pcs. ~kg Total	Packing unit/ pcs
			b	d1	d12	d13	d2	GL1	l10			
10	6525	■	10	4.5	6.7	8.6	5.3	34.0	19.0	0.27	0.27	100
	6526	■	11	4.5	6.7	8.6	6.5	34.0	19.0	0.24	0.28	100
	6528	■	14	4.5	6.7	8.6	8.4	37.5	19.0	0.29	0.33	100
	65210	■	18	4.5	6.7	8.6	10.5	41.5	19.0	0.34	0.38	100
	65212	■	22	4.5	6.7	8.6	13.0	45.5	19.0	0.42	0.46	100
16	6535	■	11	5.8	7.7	9.6	5.3	39.5	20.5	0.39	0.44	100
	6536	■	11	5.8	7.7	9.6	6.5	39.5	20.5	0.38	0.43	100
	6538	■	14	5.8	7.7	9.6	8.4	41.5	20.5	0.43	0.48	100
	65310	■	18	5.8	7.7	9.6	10.5	43.5	20.5	0.50	0.55	100
25	65312	■	18	5.8	7.7	9.6	13.0	50.5	20.5	0.58	0.63	100
	6545	■	12	7.5	11.0	13.0	5.3	40.0	20.0	0.75	0.84	50
	6546	■	12	7.5	11.0	13.0	6.5	42.5	20.0	0.69	0.78	50
	6548	■	16	7.5	11.0	13.0	8.4	43.0	20.0	0.75	0.84	50
35	65410	■	18	7.5	11.0	13.0	10.5	45.0	20.0	0.80	0.89	50
	65412	■	22	7.5	11.0	13.0	13.0	51.0	20.0	0.92	1.00	50
	65416	■	28	7.5	11.0	13.0	17.0	59.0	20.0	1.32	1.40	50
	6556	■	16	9.0	12.7	15.0	6.5	44.0	22.5	1.01	1.14	50
50	6558	■	16	9.0	12.7	15.0	8.4	44.5	22.5	0.98	1.10	50
	65510	■	18	9.0	12.7	15.0	10.5	46.5	22.5	1.00	1.12	50
	65512	■	22	9.0	12.7	15.0	13.0	52.5	22.5	1.26	1.38	50
	65516	■	28	9.0	12.7	15.0	17.0	54.5	22.5	1.55	1.67	50
50	6566	■	18	11.0	15.4	18.0	6.5	54.5	27.5	1.65	1.90	50
	6568	■	18	11.0	15.4	18.0	8.4	60.5	27.5	1.65	1.90	50
	65610	■	18	11.0	15.4	18.0	10.5	60.5	27.5	1.60	1.85	50
	65612	■	22	11.0	15.4	18.0	13.0	60.5	27.5	1.80	2.05	50
50	65616	■	28	11.0	15.4	18.0	17.0	67.5	27.5	2.10	2.35	50

see next page

## Insulated solderless terminals, Cu with Easy-Entry

Nominal cross section mm <sup>2</sup>	Part No.	Colour	Dimension mm							Weight 100 pcs. ~kg Cu	Weight 100 pcs. ~kg Total	Packing unit/ pcs
			b	d1	d12	d13	d2	GI1	l10			
70	6576	Yellow	22	13.0	17.4	20.0	6.5	61.5	30.5	2.60	2.90	50
	6578	Yellow	22	13.0	17.4	20.0	8.4	61.5	30.5	2.50	2.80	50
	65710	Yellow	22	13.0	17.4	20.0	10.5	66.5	30.5	2.50	2.80	50
	65712	Yellow	22	13.0	17.4	20.0	13.0	66.5	30.5	2.40	2.70	50
	65716	Yellow	28	13.0	17.4	20.0	17.0	70.5	30.5	2.70	3.00	50
95	65810	Red	24	15.0	20.5	23.5	10.5	70.0	34.0	4.10	4.50	25
	65812	Red	24	15.0	20.5	23.5	13.0	70.0	34.0	3.90	4.40	25
	65816	Red	28	15.0	20.5	23.5	17.0	76.0	34.0	4.10	4.50	25
120	65910	Blue	24	17.0	23.5	26.7	10.5	79.0	36.0	5.60	6.10	25
	65912	Blue	24	17.0	23.5	26.7	13.0	82.0	36.0	5.40	5.90	25
	65916	Blue	28	17.0	23.5	26.7	17.0	90.0	36.0	5.80	6.30	25
150	66010	Yellow	30	19.0	26.0	29.2	10.5	80.0	39.0	7.60	8.40	25
	66012	Yellow	30	19.0	26.0	29.2	13.0	83.0	39.0	7.60	8.40	25
	66016	Yellow	30	19.0	26.0	29.2	17.0	83.0	39.0	7.50	8.30	25

## Insulated pin terminals, Cu with Easy-Entry



- ▶ For round conductors, e.g. to DIN EN 60228 Cl. 2, 5 and 6
- ▶ High-quality brazing process in the crimp area
- ▶ Fast preparation as no additional insulation of the crimped connection is required
- ▶ Insulation sleeve halogen-free

### Characteristics

- Insulating, halogen-free with easy-entry cable insertion
- Improved contact properties due to grooved profile
- Cross-section-dependent colour-coding
- Heat resistant to 105° C

### Material

- Copper (ETP)
- Insulation sleeve: PA

### Surface

- Tin-plated to protect against corrosion

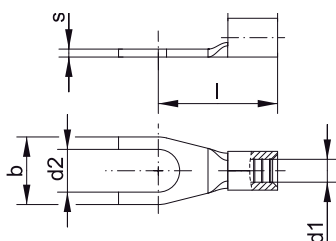
### Technical instructions

- Tool: see page 84

Nominal cross section mm <sup>2</sup>	Part No.	Colour	Dimension mm							Weight 100 pcs. ~kg Cu	Weight 100 pcs. ~kg Total	Packing unit/ pcs
			b	b1	d1	d12	d13	GI1	l10			
10	ST1716IS	Red	4.3	4.3	4.3	7.4	9.4	33.0	19.0	0.27	0.31	100
16	ST1717IS	Blue	5.5	5.4	5.4	8.6	10.6	38.0	20.0	0.39	0.44	100
25	ST1718IS	Yellow	6.8	6.7	6.7	12.5	14.5	43.5	23.5	0.63	0.73	50
35	ST1719IS	Red	8.0	8.2	8.2	14.0	16.4	51.5	27.5	1.17	1.34	50
50	ST1720IS	Blue	9.5	9.5	9.5	15.5	18.0	59.0	33.0	1.79	2.10	50
70	ST1721IS	Yellow	11.0	11.2	11.2	18.0	20.5	69.0	38.0	2.92	3.20	50
95	ST1722IS	Red	12.5	13.5	13.5	20.7	23.5	71.0	40.0	4.30	4.70	25



### Solderless terminals, Cu, fork type



- ▶ For round conductors, e.g. to DIN EN 60228 Cl. 2, 5 and 6
- ▶ Dimensions in tube to 6 mm<sup>2</sup> to DIN 46234
- ▶ Simple fork-type mounting
- ▶ High-quality brazing process in the crimp area



#### Characteristics

- Improved contact properties due to grooved profile



#### Material

- Copper (ETP)



#### Surface

- Tin-plated to protect against corrosion



#### Technical instructions

- Tool: see page 82

#### Additional information

- 0.5 - 6 mm<sup>2</sup> not UL-certified

Nominal cross section mm <sup>2</sup>	Nominal size to DIN	Part No.	Dimension mm						Weight 100 pcs. ~kg	Packing unit/ pcs
			a	b	d1	d2	l	s		
0.5 - 1	3 - 1	<b>1620C3</b>	5.0	6.0	1.6	3.2	11.0	0.8	0.060	100
	3.5 - 1	<b>1620C35</b>	5.0	6.0	1.6	3.7	11.0	0.8	0.060	100
	4 - 1	<b>1620C4</b>	5.0	6.8	1.6	4.3	12.0	0.8	0.070	100
	5 - 1	<b>1620C5</b>	5.0	10.0	1.6	5.3	13.0	0.8	0.090	100
	6 - 1	<b>1620C6</b>	5.0	11.0	1.6	6.5	15.0	0.8	0.080	100
1.5 - 2.5	3 - 2.5	<b>1630C3</b>	5.0	5.5	2.3	3.2	13.8	0.8	0.065	100
	3.5 - 2.5	<b>1630C35</b>	5.0	6.0	2.3	3.7	11.0	0.8	0.065	100
	4 - 2.5	<b>1630C4</b>	5.0	6.8	2.3	4.3	12.0	0.8	0.080	100
	5 - 2.5	<b>1630C5</b>	5.0	10.0	2.3	5.3	14.0	0.8	0.090	100
	6 - 2.5	<b>1630C6</b>	5.0	11.0	2.3	6.5	16.0	0.8	0.110	100
4 - 6	4 - 6	<b>1650C4</b>	6.0	8.0	3.6	4.3	14.0	1.0	0.140	100
	5 - 6	<b>1650C5</b>	6.0	10.0	3.6	5.3	15.0	1.0	0.160	100
	6 - 6	<b>1650C6</b>	6.0	11.0	3.6	6.5	16.0	1.0	0.170	100
	8 - 6	<b>1650C8</b>	6.0	14.0	3.6	8.4	19.0	1.0	0.220	100
10	5 - 10	<b>1652C5</b>	10.0	10.0	4.3	5.3	19.0	1.0	0.240	100
	6 - 10	<b>1652C6</b>	10.0	11.0	4.3	6.4	21.0	1.0	0.260	100
16	6 - 16	<b>1653C6</b>	11.5	11.0	5.4	6.4	24.0	1.0	0.350	100
	8 - 16	<b>1653C8</b>	10.0	14.0	5.8	8.4	22.0	1.2	0.420	100





## Pin terminals to DIN, Cu



- ▶ For round conductors, e.g. to DIN EN 60228 Cl. 2, 5 and 6
- ▶ Nominal cross-sections 0.5 - 6 mm<sup>2</sup> to DIN 46230
- ▶ High-quality brazing process in the crimp area

### Characteristics

- Improved contact properties due to grooved profile

### Material

- Copper (ETP)

### Surface

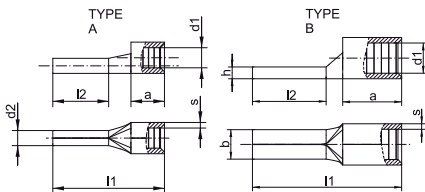
- Tin-plated to protect against corrosion

### Technical instructions

- Tool: see page 82

### Additional information

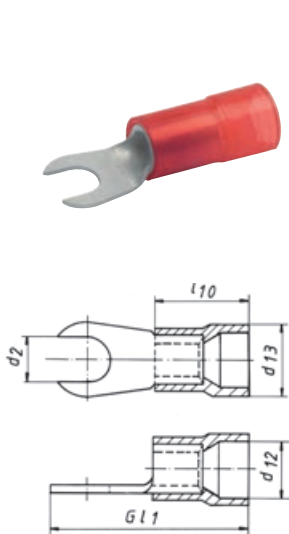
- \* = not standardised
- 0.5 - 6 mm<sup>2</sup> not UL-tested



Nominal cross section mm <sup>2</sup>	Nominal size to DIN	Part No.	Typ	Hint	Dimension mm								Weight 100 pcs. ~kg	Packing unit/pcs
					a	b	d1	d2	l1	l2	s	h		
0.5 - 1	1	<b>ST1705</b>	A		5.0	--	1.8	1.9	17.0	10	0.8	--	0.060	100
1.5 - 2.5	2.5	<b>ST1710</b>	A		5.0	--	2.3	1.9	17.0	10	0.8	--	0.072	100
4 - 6	6	<b>ST1715</b>	A		6.0	--	3.6	2.7	20.0	11	1.0	--	0.160	100
10	--	<b>ST1716</b>	B	*	10.0	4.3	4.3	--	24.5	11	1.0	2.0	0.270	100
16	--	<b>ST1717</b>	B	*	11.5	5.8	5.4	--	29.5	15	1.0	2.0	0.390	100
25	--	<b>ST1718</b>	B	*	13.5	6.8	6.7	--	33.5	15	1.2	2.4	0.630	100
35	--	<b>ST1719</b>	B	*	16.0	8.0	8.2	--	40.5	20	1.5	3.2	1.170	50
50	--	<b>ST1720</b>	B	*	19.0	9.5	9.5	--	45.0	20	1.8	3.6	1.790	50
70	--	<b>ST1721</b>	B	*	24.0	11.0	11.2	--	55.0	23	2.0	4.0	2.920	50
95	--	<b>ST1722</b>	B	*	24.0	12.5	13.5	--	55.0	23	2.5	5.0	4.300	50



## Insulated solderless terminals for meter connections, Cu, fork type



- ▶ For round conductors, e.g. to DIN EN 60228 Cl. 2, 5 and 6
- ▶ Special design for meter connection
- ▶ High-quality brazing process in the crimp area
- ▶ Fast preparation as no additional insulation of the crimped connection is required
- ▶ Insulation sleeve halogen-free

### Characteristics

- Improved contact properties due to grooved profile
- Cross-section-dependent colour-coding
- Heat resistant to 105° C

### Material

- Copper (ETP)
- Insulation sleeve: PA

### Surface

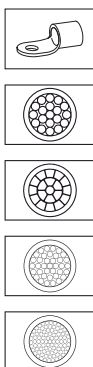
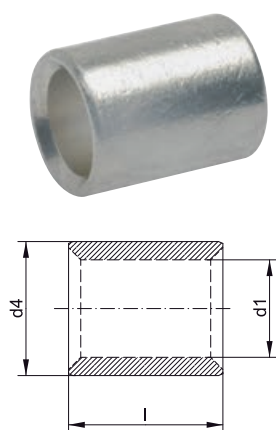
- Tin-plated to protect against corrosion

### Technical instructions

- Tool: see page 84

Nominal cross section mm <sup>2</sup>	Part No.	Colour	Dimension mm					Gewicht 100 St. ~kg Cu	Gewicht 100 St. ~kg Ges.	Packing unit/ pcs
			d12	d13	d2	Gl1	l10			
10	<b>652C5</b>	Red	7.0	9.6	5.3	33.5	19.0	0.24	0.28	100
	<b>652C6</b>	Red	7.0	9.6	6.4	33.5	19.0	0.26	0.30	100
16	<b>653C6</b>	Blue	8.6	10.6	6.4	37.5	20.5	0.35	0.40	100

## Solderless connectors to DIN, Cu, short type



- ▶ For round conductors, e.g. to DIN EN 60228 Cl. 2, 5 and 6
- ▶ To DIN 46341, Part 1, Form A
- ▶ Ideal for connecting differing conductor cross-sections

### Characteristics

- Simple cable entry due to internal chamfer
- Annealed material optimises material and crimping properties

### Material

- Copper (EN13600)

### Surface

- Tin-plated to protect against corrosion

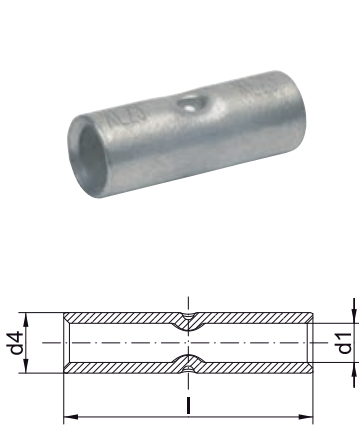
### Technical instructions

- Tool: see page 82

Nominal cross section mm <sup>2</sup>	Nominal size to DIN	Part No.	Dimension mm			Weight 100 pcs. ~kg	Packing unit/pcs
			d1	d4	l		
0.5 - 1	1	<b>1620K</b>	1.6	3.2	8	0.045	100
1.5 - 2.5	2.5	<b>1630K</b>	2.3	3.9	8	0.055	100
4 - 6	6	<b>1650K</b>	3.6	5.6	9	0.090	100
10	10	<b>1652K</b>	4.5	6.7	10	0.170	100
16	16	<b>1653K</b>	5.8	8.2	11	0.260	100
25	25	<b>1654K</b>	7.5	10.5	14	0.510	100
35	35	<b>1655K</b>	9.0	12.2	16	0.730	100
50	50	<b>1656K</b>	11.0	14.6	19	1.200	100
70	70	<b>1657K</b>	13.0	17.0	19	1.530	50
95	95	<b>1658K</b>	15.0	20.0	20	2.370	50
120	120	<b>1659K</b>	16.5	22.5	22	3.450	50
150	150	<b>1660K</b>	19.0	25.4	26	5.060	50



## Solderless connectors to DIN, Cu, long type



- ▶ For round conductors, e.g. to DIN EN 60228 Cl. 2, 5 and 6
- ▶ To DIN 46341, Part 1, Form B
- ▶ Simple and safe processing due to butt mark



### Characteristics

- Simple cable entry due to internal chamfer
- Annealed material optimises material and crimping properties



### Material

- Copper (EN13600)



### Surface

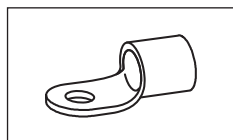
- Tin-plated to protect against corrosion



### Technical instructions

- Tool: see page 82

Nominal cross section mm <sup>2</sup>	Nominal size to DIN	Part No.	Dimension mm			Weight 100 pcs. ~kg	Packing unit/pcs
			d1	d4	l		
0.5 - 1	1	<b>1620L</b>	1.6	3.2	15	0.08	100
1.5 - 2.5	2.5	<b>1630L</b>	2.3	3.9	15	0.10	100
4 - 6	6	<b>1650L</b>	3.6	5.6	15	0.19	100
10	10	<b>1652L</b>	4.5	6.7	21	0.36	100
16	16	<b>1653L</b>	5.8	8.2	26	0.62	100
25	25	<b>1654L</b>	7.5	10.5	29	1.11	100
35	35	<b>1655L</b>	9.0	12.2	32	1.50	100
50	50	<b>1656L</b>	11.0	14.6	38	2.44	100
70	70	<b>1657L</b>	13.0	17.0	42	3.54	50
95	95	<b>1658L</b>	15.0	20.0	48	5.87	50
120	120	<b>1659L</b>	16.5	22.5	52	8.46	50
150	150	<b>1660L</b>	19.0	25.4	56	10.86	50

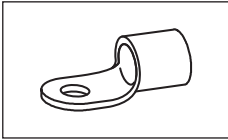


### Tool application chart

**Solderless terminals to DIN 46234, pin terminals to DIN 46230,  
solderless connectors to DIN 46341**  
Part 1 of 2

Tool type	Crimping range corresponds to nominal cross-section mm <sup>2</sup>	Crimping Tool		Catalogue page		Crimp profile	
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die		
Mechanical crimping tools	0.5 - 16	K25		230			
	16 - 95	K95		230			
		TK95		231			
Mechanical, electrical, pneumatic crimping tools with interchangeable dies / heads	0.5 - 10	K50		244	326		
		EK50ML		254	326		
		K507		243			
	0.75 - 2.5	KP1	+KP232	240			
		KP1L	+KP232	240			
	4 - 10	KP1	+KP242	240			
		KP1L	+KP242	240			
	10 - 35	K354		246	330		
	10 - 70	K18		248	338		
		K22		250	343		
	Hand hydraulic crimping tools	10 - 70	HK6018		292	338	
			HK60UNV	+UA18	473	338	
HK6022				294	343		
HK60UNV			+UA22	473	343		
16 - 150		HK12030		298	349		
		HK12042		300	349		
		HK120U		302	349		
Battery powered crimping tools	0.5 - 10	EK1550ML		258	326		
	0.75 - 2.5	EKP1ML	+KP232	260			
	4 - 10	EKP1ML	+KP242	260			
	10 - 35	EK354ML		262	330		
		EK354		266	330		
	10 - 50	EK505		268	334		
	10 - 70	EK5018		270	338		
		EK60UNV	+UA18	476	338		
		EKM60UNV	+UA18	475	338		
		EK6022		247	343		
		EKM6022		272	343		
		EK60UNV	+UA22	476	343		
		EKM60UNV	+UA22	475	343		
		10 - 240	EKM60ID		278		
	16 - 150	EK12032		280	349		
		EK12042		282	349		
		EK120U		284	349		
		EK135FT	+UA15T	286	349		
EK120UNV		+UA12T	477	349			
35 - 240	EK120ID		279				

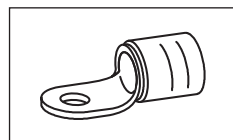
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## Tool application chart

**Solderless terminals to DIN 46234, pin terminals to DIN 46230,  
solderless connectors to DIN 46341**  
Part 2 of 2

Tool type	Crimping range corresponds to nominal cross-section mm <sup>2</sup>	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Hydraulic crimping systems	10 - 70	THK18		306	338	
		THK22		308	343	
	16 - 150	HK122EL380		322	349	
	16 - 240	HK252		320	354	
		HK252EL380		323	354	
Hydraulic crimping heads	10 - 70	PK18		306	338	
		PK60UNV	+UA18	474	338	
		PK22		308	343	
		PK60UNV	+UA22	474	343	
	10 - 240	PK60ID		311		
	16 - 150	PK12042		312	349	
		PK120U		314	349	
	16 - 240	PK252		316	354	



## Tool application chart

**Isolierte Quetschkabelschuhe**  
**Isolierte Stiftkabelschuhe**

Tool type	Crimping range corresponds to nominal cross-section mm <sup>2</sup>	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
<b>Mechanical crimping tools</b>	<b>10 - 16</b>	K16		223		○
<b>Mechanical, electrical, pneumatic crimping tools with interchangeable dies / heads</b>	<b>10 - 16</b>	K50		244	327	○
		EK50ML		254	327	○
		K354		246	327	○
	<b>10 - 50</b>	K18		248	338	☺
	<b>10 - 70</b>	K22		250	343	☺
<b>Hand hydraulic crimping tools</b>	<b>10 - 50</b>	HK6018		292	338	☺
		HK60UNV	+UA18	473	338	☺
	<b>10 - 70</b>	HK6022		294	343	☺
		HK60UNV	+UA22	473	343	☺
	<b>10 - 95</b>	HK12030		298	349	☺
		HK12042		300	349	☺
HK120U			302	349	☺	
<b>Battery powered crimping tools</b>	<b>10 - 16</b>	EK1550ML		258	327	○
		EK354ML		262	330	☺
		EK354		266	330	☺
	<b>10 - 50</b>	EK5018		270	338	☺
		EK60UNV	+UA18	476	338	☺
		EKM60UNV	+UA18	475	338	☺
	<b>10 - 70</b>	EK6022		274	343	☺
		EKM6022		272	343	☺
		EK60UNV	+UA22	476	343	☺
		EKM60UNV	+UA22	475	343	☺
		<b>10 - 95</b>	EK12032		280	349
	EK12042			282	349	☺
	EK120U			284	349	☺
	EK135FT		+UA15T	286	349	☺
	EK120UNV		+UA12T	477	349	☺
<b>Hydraulic crimping systems</b>	<b>10 - 50</b>	THK18		306	338	☺
	<b>10 - 70</b>	THK22		308	343	☺
	<b>10 - 150</b>	HK252		320	355	☺
<b>Hydraulic crimping heads</b>	<b>10 - 50</b>	PK18		306	338	☺
		PK60UNV	+UA18	474	338	☺
	<b>10 - 70</b>	PK22		308	343	☺
		PK60UNV	+UA22	474	343	☺
	<b>10 - 95</b>	PK12042		312	349	☺
		PK120U		314	349	☺
	<b>10 - 150</b>	PK252		316	355	☺