

# UNCOMPLICATED - CLAMPS AND SCREW CONNECTORS

Simple connecting of dissimilar materials and cross-sections. Made possible by Klauke clamps and screw connectors: They suit all standard sizes and materials. In compliance with the specified safety measures, compact tab connectors, for instance, can be installed even when live. All very straightforward.



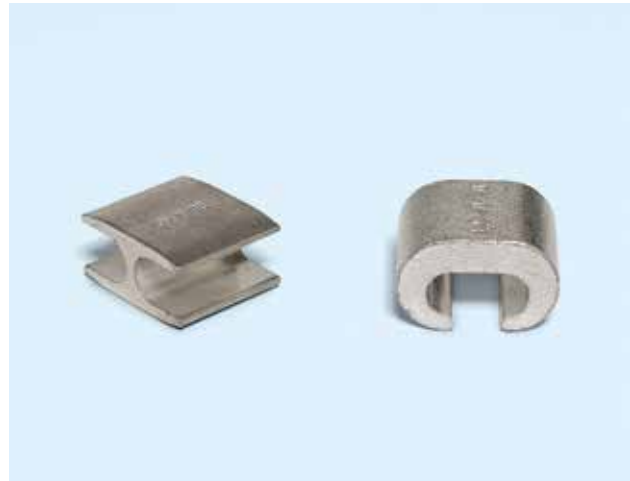
#### In brief

- ▶ Simple branching without having to cut the main conductor with Klauke H and C clamps
- ▶ H clamps to DIN EN 50164-1 short-circuit current tested
- ▶ Also available in a barrier version for Al/Cu connections

## ► Continuously connected

Save yourself the trouble, the conductor does not need to be cut. Various nominal cross-sections can be clamped with multi-purpose clamps.

- Flexible due to the large cross-sectional range, C-clamps from 2.5 mm<sup>2</sup> to 185 mm<sup>2</sup> nominal cross-sections, H-clamps from 70 mm<sup>2</sup> nominal cross-section
- Efficient connections, without having to cut the main conductor.
- Straightforward connection of various cross-sections.



## ► Screwing instead of crimping

Connect the conductors using screws. Why? Because no special tools are needed. Screws are available for every application. To make sure they last, all our screw connectors are produced from high-quality materials. Simply an efficient solution!

- Connections from 2.5 mm<sup>2</sup> to 185 mm<sup>2</sup> nominal cross-section
- No special tool required
- The right screw solution to suit a host of requirements
- For aluminium and copper conductors
- For round and sector shaped conductors
- For conductors and wires

## ► Clamps for continuous supply

We don't abandon your supply. With Klauke clamps, your operation can continue without outage, you carry out the installation even while live. No standstill, the operation continues.

- Especially suitable for the energy supply industry
- Can be installed while live
- Main conductor remains intact
- Different versions available for 3 and 4 core cables





### Punched cable lugs, Cu



► For connecting of round conductors to DIN EN 60228 Cl. 1 and 2, for example in lightning protection areas

#### Characteristics

- Also for outdoor assembly
- Available with 2 or 4 screws

#### Material

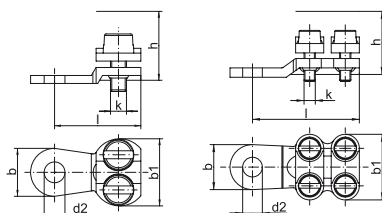
- Copper (ETP)
- Screws: DIN 84 / DIN 933 bronze, F 60

#### Surface

- Tin-plated to protect against corrosion

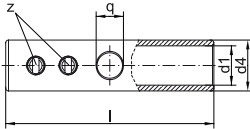
#### Technical instructions

- Possible as a special bright version on request. Part Number appendix „BK“



Nominal cross section mm <sup>2</sup>	Part No.	Dimension mm						Number of screws	Torque Nm	Weight/pcs. ~kg	Packing unit/pcs
		b	b1	d2	k	h	l				
6 - 10	<b>572R6</b>	15.0	18.0	6.5	M4	10	23.0	2	4	1.30	50
10 - 16	<b>573R6</b>	15.0	20.5	6.5	M5	14	27.0	2	6	1.30	50
	<b>573R8</b>	15.0	20.5	8.5	M5	14	27.0	2	6	1.30	50
16 - 25	<b>574R8</b>	15.0	25.0	8.5	M5	16	30.0	2	6	2.75	50
	<b>584R8</b>	18.5	22.5	8.5	M5	16	36.0	4	6	3.70	25
25 - 35	<b>584R10</b>	19.5	22.5	10.5	M5	16	37.0	4	6	3.75	25
	<b>575R8</b>	18.5	24.0	8.5	M5	16	25.5	2	6	2.50	50
35 - 50	<b>585R8</b>	18.5	24.0	8.5	M5	16	38.5	4	6	4.30	25
	<b>585R10</b>	21.5	24.0	10.5	M5	16	42.0	4	6	4.65	25
50 - 70	<b>585R12</b>	21.5	24.0	13.0	M5	16	42.0	4	6	4.50	25
	<b>586R10</b>	19.0	28.0	10.5	M6	19	46.0	4	8	6.75	25
70 - 95	<b>586R12</b>	21.0	28.0	13.0	M6	19	47.0	4	8	6.70	25
	<b>587R10</b>	23.5	31.0	10.5	M6	19	51.0	4	8	9.35	10
95 - 150	<b>587R12</b>	23.5	31.0	13.0	M6	19	51.0	4	8	9.30	10
	<b>588R10</b>	24.0	34.0	10.5	M6	25	57.0	4	8	12.00	10
150 - 240	<b>588R12</b>	24.0	34.0	13.0	M6	25	57.0	4	8	11.85	10
	<b>589R10</b>	30.0	42.0	10.5	M8	32	61.0	4	20	20.15	10
185 - 300	<b>589R12</b>	30.0	42.0	13.0	M8	32	61.0	4	20	20.20	10
	<b>589R16</b>	30.0	42.0	17.0	M8	32	61.5	4	20	20.10	10
150 - 240	<b>590R10</b>	34.0	48.5	10.5	M8	32	68.5	4	20	24.40	5
	<b>590R12</b>	34.0	48.5	13.0	M8	32	68.5	4	20	24.35	5
185 - 300	<b>590R16</b>	34.0	48.5	17.0	M8	32	68.5	4	20	24.30	5
	<b>592R12</b>	32.0	50.0	13.0	M8	37	68.5	4	20	27.95	5
	<b>592R16</b>	32.0	50.0	17.0	M8	37	68.5	4	20	28.00	5

## Tubular soldering sleeves, CuZn



- ▶ For round conductors, e.g. to DIN EN 60228 Cl. 1, 2, 5 and 6
- ▶ Processed without using a crimping tool



### Characteristics

- Simple processing due to fixed screws and solder hole



### Material

- CuZn 40 Pb 2
- Screws: Steel to DIN 551



### Surface

- Tin-plated to protect against corrosion

### Technical instructions

- A connection needs to be soldered

Nominal cross section mm <sup>2</sup>	Part No.	Dimension mm				Number of set screws z	Weight/pcs. ~kg	Packing unit/pcs
		d1	d4	l	Diameter q			
6	<b>551R</b>	3.5	7	25	3.3	2	0.60	10
10	<b>552R</b>	4.5	6	30	3.3	2	1.20	10
16	<b>553R</b>	5.5	10	40	4.2	4	1.90	10
25	<b>554R</b>	7.0	12	45	4.2	4	2.85	10
35	<b>555R</b>	8.5	13	45	5.0	4	3.00	10
50	<b>556R</b>	10.0	15	48	5.0	4	4.00	10
70	<b>557R</b>	12.0	18	52	6.8	4	6.30	10
95	<b>558R</b>	13.5	20	55	6.8	4	8.05	10
120	<b>559R</b>	15.0	22	60	6.8	4	9.90	10



### Parallel groove clamps, Cu, 2 screws



- ▶ For screwing conductors acc. to DIN EN 60228 Cl. 1 and 2
- ▶ For non-tension copper cables acc. to DIN 48201 part 1



#### Characteristics

- Also for outdoor assembly
- Version with 2 screws



#### Material

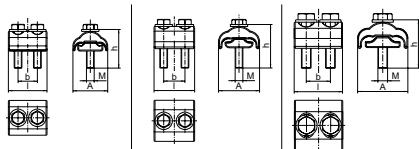
- Copper (ETP)
- Screws: V2A

#### Surface

- Bright

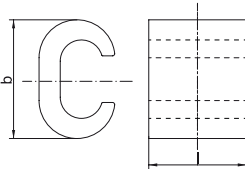
#### Technical instructions

- When connecting cross sections 95, 120 and 150 mm<sup>2</sup> two power branch clamps are to be used due to the current carrying capacity.



Nominal cross section mm <sup>2</sup>	Part No.	Dimension mm			A	M	Torque Nm	Weight/pcs. ~kg	Packing unit/ pcs
		b	h	l					
6 - 70	<b>SAK670</b>	36	40	40	20	M8	23	18,16	5
10 - 95	<b>SAK1095</b>	42,5	45	42	22	M8	20	24,15	5
16 - 150	<b>SAK16150</b>	52	50	50	25	M10	39	39,25	5

## Branch clamps in C-type, Cu



- ▶ For non-tension copper cables, e.g. to DIN 48201-1
- ▶ Ideal for clamping identical conductor cross-sections e.g. to VDE 60228 Cl. 1 and 2
- ▶ No need to cut the main conductor

### Material

- Copper (ETP)

### Surface

- Tin-plated to protect against corrosion

### Technical instructions

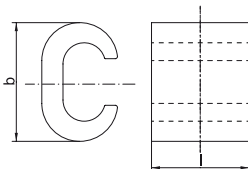
- Optimum conducting characteristics in combination with compound
- Tool: see page 133

### Additional information

- Part Number appendix for bright version „BK“
- rm = round multi-stranded; re = round single solid
- \* = Also suitable for 25 mm<sup>2</sup> round solid

Part No.	Hint	Cross section main conductor mm <sup>2</sup> rm/re		Hint	Dimension mm		Weight/pcs. ~kg	Packing unit/pcs
		Main conductor	Tab conductor		b	l		
CK16		16/25	16/25		16.0	15	0.94	25
CK25	*	25/35	25/35	*	20.2	16	1.68	25
CK35		35/50	35/50		25.7	22	3.42	25
CK50		50/-	50/-		28.0	23	4.88	25
CK70		70/-	70/-		34.16	28	9.69	10
CK95		95/-	95/-		35.0	25	7.30	10

## Branch clamps in C-type, Cu, multi-purpose clamps



- ▶ For non-tension copper cables, e.g. to DIN 48201-1
- ▶ Ideal for clamping non-identical conductor cross-sections e.g. to VDE 60228 Cl. 1 and 2
- ▶ No need to cut the main conductor

### Material

- Copper (ETP)

### Surface

- Tin-plated to protect against corrosion

### Technical instructions

- Optimum conducting characteristics in combination with compound
- Tool: see page 133

### Additional information

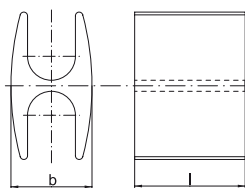
- Part Number appendix for bright version „BK“
- rm = round multi-stranded; re = round single solid

Part No.	Cross section main conductor mm <sup>2</sup> rm/re		Dimension mm		Weight/pcs. ~kg	Packing unit/pcs
	Main conductor	Tab conductor	b	l		
MCK1010	6 - 10/10	4 - 6/4 - 10	11.8	12	0.460	25
MCK1016	10 - 16/16	4 - 10/4 - 10	19.1	17	1.900	25
MCK1025	16 - 25/25	4 - 10/4 - 10	19.3	17	1.900	25
MCK3535	16 - 25/25 - 35	16 - 25/16 - 35	20.4	17	1.750	25
MCK2550	35/50	4 - 25/4 - 25	24.6	23	4.400	25
MCK5050	35/50	16 - 35/25 - 50	26.5	23	4.200	25
MCK3570	50 - 70/-	4 - 35/4 - 35	33.8	28	10.700	10

## Branch clamps in C-type, Cu, multi-purpose clamps

Part No.	Cross section main conductor mm <sup>2</sup> rm/re		Dimension mm		Weight/pcs. ~kg	Packing unit/pcs
	Main conductor	Tab conductor	b	l		
<b>MCK3595</b>	95/-	16 - 35	41.0	30	15.000	10
<b>MCK7095</b>	95/-	35 - 70	41.0	30	14.000	10
<b>MCK120120</b>	120/-	35 - 120	45.0	30	16.550	10
<b>MCK150150</b>	150/-	70 - 150	53.0	35	23.000	5
<b>MCK185185</b>	185/-	95 - 185	60.0	40	33.000	5

## Branch clamps in H-type, Cu



- ▶ For non-tension copper cables, e.g. to DIN 48201-1
- ▶ Ideal for clamping identical conductor cross-sect. e.g. to DIN EN 60228 Cl. 1 and 2
- ▶ Lightning protection tested to EN 50164-1
- ▶ No need to cut the main conductor

### Characteristics

- H-shape allows simple processing
- Optimum conducting characteristics when used with compound

### Material

- Copper (ETP)

### Surface

- Tin-plated to protect against corrosion

### Technical instructions

- Tool: see page 134

### Additional information

- Part Number appendix for bright version „BK“
- \* = To EN 50164-1 lightning current tested

Part No.	Cross section main conductor mm <sup>2</sup> rm/re		Hint	Dimension mm		Weight/pcs. ~kg	Packing unit/pcs
	Main conductor	Tab conductor		b	l		
<b>AH7070</b>	70	70	*	17.0	28.0	6.5	25
<b>AH9595</b>	95	95		22.0	30.0	10.0	25
<b>AH120120</b>	120	120		24.0	25.0	9.8	25

## Compound for branch clamps



- ▶ Optimum conductivity properties for processing aluminium cable lugs and connectors and branch clamps (C and H-type)

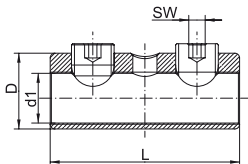
### Characteristics

- Water-resistant, with corundum for destroying the oxidation layer
- Content/tin: 0.125 kg

Part No.

**KF125**

## Screw connectors for shielded copper wires



- ▶ For connecting different conductor types and materials, e.g. to DIN EN 60228 Class 1 and 2
- ▶ Ideal for connecting identical and different conductor cross-sections
- ▶ Suitable cross-section range for example shielded copper wires

### Characteristics

- Special groove profile inside to destroy the oxidation layer when crimping
- With inspection hole for monitoring full cable insertion

### Material

- Insulated body: brass (CuZn)
- Screws: stainless steel, tin-plated

### Surface

- Tin-plated to protect against corrosion

### Technical instructions

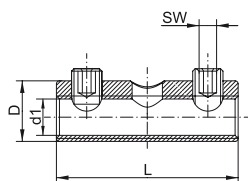
- Refer to the installation instructions in the technical appendix on page i-8

### Additional information

- rm = round multi-stranded; re = round single solid

Part No.	Nominal cross section mm <sup>2</sup>		Dimension mm				Torque Nm	Weight/pcs. ~kg	Packing unit/ pcs
	re	rm	D	d1	L	AF			
<b>SV100</b>	6 - 35	6 - 25	14	7.2	40	4	10	3.9	4

## Screw connectors for street lighting



- ▶ For connecting different conductor types and materials, e.g. to DIN EN 60228 Class 1 and 2
- ▶ Ideal for connecting identical and different conductor cross-sections
- ▶ Suitable cross-section range for street lighting

### Characteristics

- Special groove profile inside to destroy the oxidation layer when crimping
- With inspection hole for monitoring full cable insertion

### Material

- Insulated body: brass (CuZn)
- Screws: stainless steel, tin-plated

### Surface

- Either bright or tin-plated

### Technical instructions

- Refer to the installation instructions in the technical appendix on page i-8

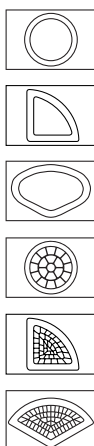
### Additional information

- rm = round multi-stranded; re = round single solid

Part No.	Nominal cross section mm <sup>2</sup>		Dimension mm				Torque Nm	Weight/pcs. ~kg	Packing unit/ pcs
	re	rm	D	d1	L	AF			
With threaded pin, tin-plated									
<b>SV200</b>	1.5 - 16	1.5 - 16	10	5.5	30	2.5	4	1.35	4
With threaded pin, bright finished									
<b>SV200BK</b>	1.5 - 16	1.5 - 16	10	5.5	30	2.5	4	1.35	4



## Screw connector with 2 screws



- ▶ For connecting various conductor types and materials, e.g. to DIN EN 60228 Cl. 1 and 2
- ▶ Ideal for connecting identical and different conductor cross-sections
- ▶ Reliable processing due to cable insertion control (dissimilar materials must not come into contact)

### Characteristics

- Special groove profile inside to destroy the oxidation layer when crimping
- Either with threaded pin or shear head, shear head partly fixed
- Version with 2 screws

### Material

- Insulated body: high-tensile aluminium alloy
- Screws: copper alloy, tin-plated

### Surface

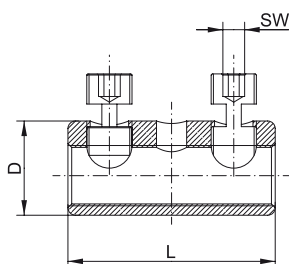
- Either bright or tin-plated

### Technical instructions

- Refer to the installation instructions in the technical appendix on page i-8

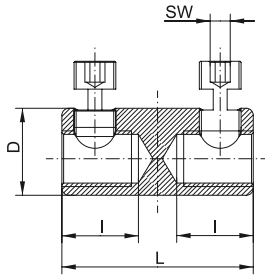
### Additional information

- \* = fixed version, Part Number appendix „NL“
- \*\* = version with fixed countersink shear head, Part Number appendix „VK“
- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded, (r) = pre-rounded, (v) = compacted



Part No.	Nominal cross section mm <sup>2</sup>				Hint	Dimension mm			Torque Nm	Weight/ pcs. ~kg	Packing unit/pcs
	re	rm	se	sm		D	L	AF			
With threaded pin, bright finished											
<b>SV303</b>	6 - 35	6 - 25, Cu 2.5 - 50 (v)	--	Cu 2.5 - 35		14	40	4	8	1.5	4
<b>SV300</b>	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 35 Al 10 - 35	Cu 2.5 - 35 Al 10 - 35		16.5	40	4	9	1.7	4
<b>SV301</b>	16 - 95	16 - 95	50 - 95	35-95 (r), 35-70		25	55	5	20	6.6	4
<b>SV308</b>	25 - 150	25 - 150	50 - 150 (90°), 50 - 150 (120°)	--		28	70	6	25	11.3	4
<b>SV302</b>	35 - 50	35 - 185	50 - 185 (90°)	35 - 150		32	80	6	25	16	4
Without threaded pin, bright finished											
<b>SV303V</b>	6 - 35	6 - 25, Cu 2.5 - 50 (v)	--	Cu 2.5 - 35		14	40	4	8	1.5	4
<b>SV300V</b>	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 35 Al 10 - 35	Cu 2.5 - 35 Al 10 - 35		16.5	40	4	9	1.7	4
<b>SV307V</b>	50 - 70	10 - 70	50 - 70	35 - 70, 35 - 70		22	57	5	15	4.7	4
<b>SV301V</b>	16 - 95	16 - 95	50 - 95	35-95 (r), 35-70		25	55	5	20	6.6	4
<b>SV302V</b>	35 - 50	35 - 185	50 - 185 (90°)	35 - 150		32	80	6	25	16	4
With shear head, bright finished											
<b>SV303AK</b>	6 - 35	6 - 25	--	--	*	14	40	4	8	1.5	4
<b>SV303AKNL</b>	6 - 35	6 - 25, Cu 2.5 - 50 (v)	--	Cu 2.5 - 35	*	14	40	4	8	1.5	4
<b>SV304AKNL</b>	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 35 Al 10 - 35	Cu 2.5 - 35 Al 10 - 35		16.5	40	4	9	1.7	4
<b>SV307AKNL</b>	10 - 70	10 - 70	50 - 70	35 - 70, 35 - 70		22	57	5	15	4.7	4
<b>SV301AK</b>	16 - 95	16 - 95	50 - 95, 50 - 150 (120°)	35 - 95 (r), 35 - 150		25	55	5	20	6.6	4
<b>SV302AK</b>	35 - 50	35 - 185	50 - 185 (90°)	35 - 150		32	80	6	25	16	4
With shear head, tin - plated											
<b>SV304AKNLV</b>	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 35 Al 10 - 35	Cu 2.5 - 35 Al 10 - 35		16.5	40	4	9	1.7	4
<b>SV301AKV</b>	16 - 95	16 - 95	50 - 95	35 - 70, 35 - 95 (r)	**	25	55	5	20	6.6	4
<b>SV302AKV</b>	35 - 50	35 - 185	50 - 150 (120°), 50 - 185 (90°)	35 - 150		32	80	6	25	16	4

## Screw connector with barrier



- ▶ For connecting various conductor types and materials, e.g. to DIN EN 60228 Cl. 1 and 2
- ▶ Ideal for connecting identical and different conductor cross-sections

### Characteristics

- Special groove profile inside to destroy the oxidation layer when crimping
- Either with threaded pin or shear head, shear head partly fixed
- Version with 2 screws and barrier

### Material

- Insulated body: high-tensile aluminium alloy
- Screws: copper alloy, tin-plated

### Surface

- Either bright or tin-plated

### Technical instructions

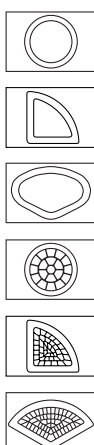
- Refer to the installation instructions in the technical appendix on page i-8

### Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded, (r) = pre-rounded, (v) = compacted

Part No.	Nominal cross section mm <sup>2</sup>				Hint	Dimension mm				Torque Nm	Weight/pcs. ~kg	Packing unit/pcs
	re	rm	se	sm		D	I	L	AF			
With threaded pin, bright finished												
<b>SV315</b>	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 35 Al 10 - 35	Cu 2.5 - 35 Al 10 - 35		16	17.5	40	4	9	1.7	4
<b>SV309</b>	16 - 95	16 - 95	50 - 95	35-95 (r), 35-70		25	22	55	5	20	6.6	4
<b>SV320</b>	25 - 150	25 - 150	50 - 150 (90°), 50 - 150 (120°)	35 - 150		28	31	70	6	25	11.3	4
<b>SV310</b>	35 - 50	35 - 185	50 - 185 (90°)	35 - 185 (r)		32	32	80	6	25	16	4
With threaded pin, tin-plated												
<b>SV315V</b>	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 35 Al 10 - 35	Cu 2.5 - 35 Al 10 - 35		16	17.5	40	4	9	1.7	4
<b>SV309V</b>	16 - 95	16 - 95	50 - 95	35-95 (r), 35-70		25	22	55	5	20	6.6	4
<b>SV320V</b>	25 - 150	25 - 150	50 - 150 (90°), 50 - 150 (120°)	--		28	31	70	6	25	11.3	4
<b>SV310V</b>	35 - 50	35 - 185	50 - 185 (90°)	35 - 185 (r)		32	32.5	80	6	25	16	4
With shear head, bright finished												
<b>SV311AKNL</b>	6 - 35	6 - 25, Cu 2.5 - 50 (v)	--	Cu 2.5 - 35		14	17.5	40	4	8	1.5	4
<b>SV312AKNL</b>	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 35 Al 10 - 35	Cu 2.5 - 35 Al 10 - 35		16	17.5	40	4	9	1.7	4
<b>SV309AK</b>	16 - 95	16 - 95	50 - 95	35-95 (r), 35-70		25	22	55	5	20	6.6	4
<b>SV310AK</b>	35 - 50	35 - 185	50 - 185 (90°)	35 - 185 (r)		32	32.5	80	6	25	16	4
With shear head, tin-plated												
<b>SV312AKNLV</b>	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 35 Al 10 - 35	Cu 2.5 - 35 Al 10 - 35		16	17.5	40	4	9	1.7	4
<b>SV319AKNLV</b>	10 - 70	10 - 70	50 - 70	35 - 70		22	24	57	5	15	7.6	4
<b>SV309AKV</b>	16 - 95	16 - 95	50 - 95	35-95 (r), 35-70	*	25	22	55	5	20	6.6	4
<b>SV310AKV</b>	35 - 50	35 - 185	50 - 185 (90°)	35 - 185 (r)	*	32	32.5	80	6	25	16	4

## Screw connector with 4 screws



- ▶ For connecting various conductor types and materials, e.g. to DIN EN 60228 Cl. 1 and 2
- ▶ Ideal for connecting identical and different conductor cross-sections
- ▶ Reliable processing due to cable insertion control (dissimilar materials must not come into contact)

### Characteristics

- Special groove profile inside to destroy the oxidation layer when crimping
- Available with threaded pin or shear head
- Version with 4 screws

### Material

- Insulated body: high-tensile aluminium alloy
- Screws: copper alloy, tin-plated

### Surface

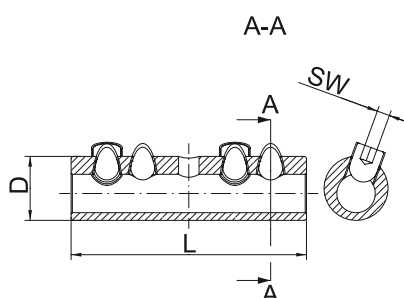
- Either bright or tin-plated

### Technical instructions

- Refer to the installation instructions in the technical appendix on page i-8

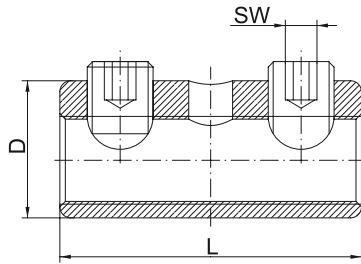
### Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded



Part No.	Nominal cross section mm <sup>2</sup>				Dimension mm			Torque Nm	Weight/pcs. ~kg	Packing unit/pcs
	re	rm	se	sm	D	L	AF			
<b>With threaded pin, bright finished</b>										
<b>SV305</b>	16 - 95	16 - 95	50 - 95	35-95 (r), 35-70	25	92	5	20	12	4
<b>SV306</b>	35 - 50	35 - 185	50 - 150 (120°), 50 - 185 (90°)	35 - 185 (r)	32	108	6	25	25	4
<b>With threaded pin, tin-plated</b>										
<b>SV305V</b>	16 - 95	16 - 95	50 - 95	35-95 (r), 35-70	25	92	5	20	12	4
<b>SV306V</b>	35 - 50	35 - 185	50 - 150 (120°), 50 - 185 (90°)	35 - 150, 35 - 185 (r)	32	108	6	25	25	4
<b>With shear head, bright finished</b>										
<b>SV305AK</b>	16 - 95	16 - 95	50 - 95	35 - 70, 35 - 70 (r)	25	92	5	20	12	4
<b>SV306AK</b>	35 - 50	35 - 185	50 - 150 (120°), 50 - 185 (90°)	35 - 150, 35 - 185 (r)	32	108	6	25	25	4
<b>With shear head, tin-plated</b>										
<b>SV305AKV</b>	16 - 95	16 - 95	50 - 95	35-95 (r), 35-70	25	92	5	20	12	4
<b>SV306AKV</b>	35 - 50	35 - 185	50 - 150 (120°), 50 - 185 (90°)	35 - 150, 35 - 185 (r)	32	108	6	25	25	4

## Insulated screw connector



- ▶ For connecting various conductor types and materials, e.g. to DIN EN 60228 Cl. 1 and 2
- ▶ Ideal for connecting identical and different conductor cross-sections
- ▶ Reliable processing due to cable insertion control (dissimilar materials must not come into contact)

### Characteristics

- Special groove profile inside to destroy the oxidation layer when crimping
- Insulated body
- Version with 2 screws, without barrier
- Available with threaded pin or shear head

### Material

- Insulated body: high-tensile aluminium alloy
- Screws: copper alloy, tin-plated

### Surface

- Either bright or tin-plated

### Technical instructions

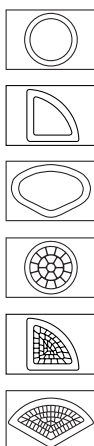
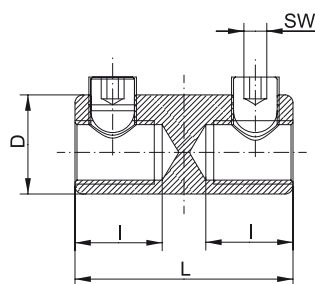
- Refer to the installation instructions in the technical appendix on page i-8

### Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded

Part No.	Nominal cross section mm <sup>2</sup>				Dimension mm			Torque Nm	Weight/pcs. ~kg	Packing unit/pcs
	re	rm	se	sm	D	L	AF			
With threaded pin, bright finished										
<b>SV400</b>	6 - 35	6 - 25	50 - 70 (120°)	35 - 70	14	60	4	8	1.7	4
<b>SV410</b>	16-95	16-95	50-95	35-95 (r), 35-70	28.2	58.2	5	20	6	4
With threaded pin, tin-plated										
<b>SV405V</b>	10 - 70	10 - 70	50 - 70, 50 - 150 (120°)	35 - 70, 35 - 150	25	87	5	15	5	4
<b>SV420V</b>	35 - 50	35 - 185	50 - 185 (90°)	35 - 185 (r)	36	84	6	25	14.5	4
With shear head, bright finished										
<b>SV410AK</b>	16-95	16-95	50-95	35-95 (r), 35-70	28.2	58.2	5	20	6	4

## Screw connector with barrier



- ▶ For connecting various conductor types and materials, e.g. to DIN EN 60228 Cl. 1 and 2
- ▶ Ideal for connecting identical and different conductor cross-sections

### Characteristics

- Special groove profile inside to destroy the oxidation layer when crimping
- Insulated body
- Either with threaded pin or shear head, shear head partly fixed
- Version with 2 screws and barrier

### Material

- Insulated body: high-tensile aluminium alloy
- Screws: copper alloy, tin-plated

### Surface

- Either bright or tin-plated

### Technical instructions

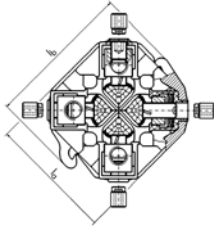
- Refer to the installation instructions in the technical appendix on page i-8

### Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded, (r) = pre-rounded, (v) = compacted

Part No.	Nominal cross section mm <sup>2</sup>				Dimension mm				Torque Nm	Weight/ pcs. ~kg	Packing unit/pcs
	re	rm	se	sm	D	I	L	AF			
<b>With threaded pin, bright</b>											
<b>SV430</b>	16-50	16-95	50 - 70 (120°), 50 - 95 (90°)	35 - 70, 35 - 95 (r)	28.2	23.6	58.2	5	20	6.6	4
<b>With shear head, bright</b>											
<b>SV430AK</b>	16 - 50	16 - 95	50 - 70 (120°), 50 - 95 (90°)	35 - 70, 35 - 95 (r)	28.2	23.6	58.2	5	20	6.6	4
<b>SV440AK</b>	35 - 50	35 - 185	50 - 150 (120°), 50 - 185 (90°)	35 - 150, 35 - 185 (r)	36	34.5	84	6	25	16.0	4

## Compact tap connectors with shear heads, four conductor cables



- ▶ Suitable for main and branch conductors made from Al and Cu
- ▶ No need to cut the main conductor
- ▶ For use e.g. with energy suppliers



### Characteristics

- VDE: can be installed under voltage with corresponding fully insulated assembly tools
- With shear heads for the main conductor, fixed



### Technical instructions

- A mounting instruction is included with every clamp

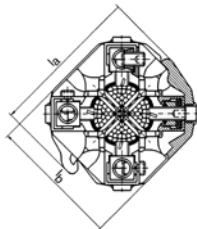
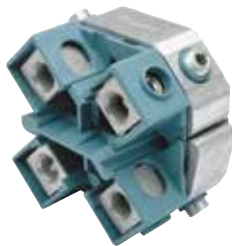


### Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded
- Creepage and elongation processes are compensated for by spring washers
- Sequence of contacting can be freely determined

Part No.	Main conductor		Tap conductor		Dimension mm				Torque Nm	Weight/pcs. ~kg	Packing unit/pcs
	se	sm	se	sm	la	lb	Width	AF			
<b>KSK1504</b>	70 - 150	150	95 (r)	6-70 (r)	107	90	50	20	20	0.63	1
<b>KSK1854</b>	185	70-150	50	6-35	107	90	52	20	20	0.58	1

## Compact tap connectors, four conductor cables, for main conductor 25 - 50 mm<sup>2</sup>



- ▶ Suitable for main and branch conductors made from Al and Cu
- ▶ No need to cut the main conductor
- ▶ For use e.g. with energy suppliers



### Characteristics

- VDE: can be installed under voltage with corresponding fully insulated assembly tools



### Technical instructions

- A mounting instruction is included with every clamp



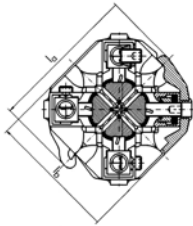
### Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded
- Creepage and elongation processes are compensated for by spring washers
- Sequence of contacting can be freely determined

Part No.	Main conductor			Tap conductor		Dimension mm				Torque Nm	Weight/pcs. ~kg	Packing unit/pcs
	se	sm	rm	se	sm	la	lb	Width	AF			
<b>KSK504</b>	Cu 25 - 50, Al 35 - 50	Cu 25 - 50	Cu 25 - 50	50	6-35	88	75	50	5	15	0.46	1



### Compact tap connectors, four conductor cables, for main conductor 70 - 185 mm<sup>2</sup>



- ▶ Suitable for main and branch conductors made from Al and Cu
- ▶ No need to cut the main conductor
- ▶ For use e.g. with energy suppliers



#### Characteristics

- VDE: can be installed under voltage with corresponding fully insulated assembly tools
- With threaded pins for the main conductor



#### Technical instructions

- A mounting instruction is included with every clamp

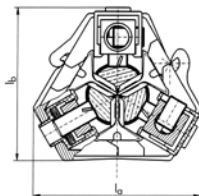


#### Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded
- Creepage and elongation processes are compensated for by spring washers
- Sequence of contacting can be freely determined

Part No.	Main conductor			Tap conductor			Dimension mm				Torque Nm	Weight/ pcs. ~kg	Packing unit/pcs
	se	sm	re	se	sm	rm	la	lb	Width	AF			
<b>SKR1204</b>	120	70 - 95		50 (r)	6 - 35 (r)		90	77	50	5	20	0.46	1
<b>SKR150504</b>	150	70 - 150	50	50	6 - 35		93	80	50	5	20	0.46	1
<b>SKR1504</b>	70 - 150	150		95 (r)	6 - 70 (r)		107	90	46	5	20	0.62	1
<b>SKR1501504</b>	95 - 150	150		150	16 - 120	16 - 120	118	118	93	5	20	1.34	1
<b>SKR1854</b>	185	95 - 150		95 (r)	6 - 70		107	96	46	5	20	0.58	1

### Compact tap connectors, three conductor cables



- ▶ Suitable for main and branch conductors made from Al and Cu
- ▶ No need to cut the main conductor
- ▶ For use e.g. with energy suppliers



#### Characteristics

- VDE: can be installed under voltage with corresponding fully insulated assembly tools
- With threaded pins for the main conductor



#### Technical instructions

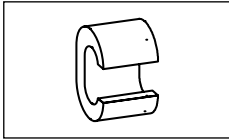
- A mounting instruction is included with every clamp



#### Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded

Part No.	Main conductor				Tap conductor		Dimension mm					Thread DIN 13	Weight/ pcs. ~kg	Packing unit/pcs
	se	sm	rm	re	se	sm	la	lb	Width	Bolts Circle dia.	AF			
<b>SKR1503</b>	70 - 150	70 - 150	70 - 150	70 - 150	6 - 70	6 - 95	84	76	45	90	5	M10x1/ M10	0.38	1

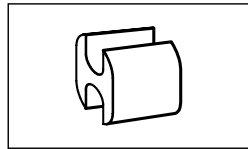


## Tool application chart

### C-Clamps

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, electrical, pneumatic crimping tools with interchangeable die / head	4 - 35	K354		236	317	○
	4 - 50	K18		238	325	○
	4 - 70	K22		240	331	○
Hand hydraulic crimping tools	4 - 50	HK6018		280	325	○
		HK60UNV	+UA18	465	325	○
	4 - 70	HK6022		282	331	○
		HK60UNV	+UA22	465	331	○
	10 - 70	HK12030		286	337	○
		HK12042		288	337	○
HK120U			290	337	○	
Battery powered crimping tools	4 - 35	EK354ML		250	317	○
		EK354		256	317	○
	4 - 70	EK505		258	321	○
	4 - 50	EK5018		260	325	○
		EK60UNV	+UA18	468	325	○
		EKM60UNV	+UA18	467	325	○
	4 - 70	EK6022		264	331	○
		EKM6022		262	331	○
		EK60UNV	+UA22	468	331	○
		EKM60UNV	+UA22	467	331	○
	10 - 70	EK12032		270	337	○
		EK12042		272	337	○
		EK120U		274	337	○
		EK135FT	+UA15T	276	337	○
		EK120UNV	+UA12T	469	337	○
Hydraulic crimping systems	4 - 50	THK18		294	325	○
	4 - 70	THK22		296	331	○
	10 - 185	HK252	+25A13	308	337 + 341	○
Hydraulic crimping heads	4 - 50	PK18		294	325	○
		PK60UNV	+UA18	466	325	○
	4 - 70	PK22		296	331	○
		PK60UNV	+UA22	466	331	○
	10 - 70	PK12042		300	337	○
		PK120U		302	337	○
	10 - 185	PK252	+25A13	304	337 + 341	○





### Tool application chart

#### H-Clamps

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, electrical, pneumatic crimping tools with interchangeable die / head	70	K22		240	331	○
Hand hydraulic crimping tools	70	HK6022		282	331	○
	70 - 120	HK12030		286	337	○
		HK12042		288	337	○
		HK120U		290	337	○
Battery powered crimping tools	70	EK6022		264	331	○
		EKM6022		262	331	○
		EK60UNV	+UA22	468	331	○
	70 - 120	EK12032		270	337	○
		EK12042		272	337	○
		EK120U		274	337	○
		EK135FT	+UA15T	276	337	○
		EK120UNV	+UA12T	469	337	○
Hydraulic crimping systems	70	THK22		296	331	○
	70 - 120	HK252	+25A13	308	337 + 341	○
Hydraulic crimping heads	70	PK22		296	331	○
	70 - 120	PK12042		300	337	○
		PK120U		302	337	○
		PK252	+25A13	304	337 + 341	○

