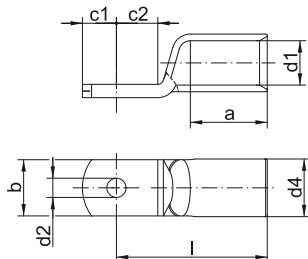




### Tubular cable lugs for switchgear connections, standard type



- ▶ For multi-stranded, round conductors e.g. to DIN EN 60228 Cl. 2
- ▶ For pre-rounded multi-stranded sector shaped conductors
- ▶ For connecting in switch cabinets with reduced connecting space
- ▶ Narrow palm version manufactured without material loss
- ▶ In combination with EKM 60 ID suitable for fine-stranded conductors

#### Characteristics

- Annealed material optimises material and crimping properties
- Simple and safe connection due to flat contact surfaces and internal chamfer

#### Material

- Copper (EN13600)

#### Surface

- Tin-plated to protect against corrosion

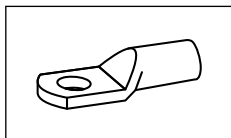
#### Technical instructions

- Tool: see page 38
- Sleeves for compacted conductors and sleeves for 3-core and 4-core cables, see chapter „Sleeves for compacted conductors and sector shaped conductors - Cu“

#### Additional information

- Possible as a special version with inspection hole on request.  
Part Number appendix „MS“

Nominal cross section mm <sup>2</sup>	Size of bolt dia.	Part No.	Dimension mm								Weight/ 100 pcs. ~ kg	Packing unit/pcs
			d1	a	b	d2	d4	c1	c2	l		
35	M6	<b>5SG6</b>	8.5	17	15.0	6.4	12.0	7.5	7.5	32	1.78	25
		<b>6SG6</b>	10.0	19	15.0	6.5	14.0	10.0	10.0	37	2.95	25
50	M8	<b>6SG8</b>	10.0	19	17.0	8.5	14.0	10.0	10.0	37	2.82	25
		<b>6SG10</b>	10.0	19	19.0	10.5	14.0	11.5	12.0	39	3.08	25
70	M6	<b>7SG6</b>	12.0	21	17.0	6.5	16.5	10.0	10.0	43	4.22	25
		<b>7SG8</b>	12.0	21	17.0	8.5	16.5	10.0	10.0	43	4.10	25
	M10	<b>7SG10</b>	12.0	21	19.0	10.5	16.5	11.5	12.0	44	4.45	25
		<b>7SG12</b>	12.0	21	19.0	13.0	16.5	13.0	13.0	46	4.22	25
95	M6	<b>8SG6</b>	13.5	25	19.0	6.5	18.0	11.5	12.0	48	5.49	25
		<b>8SG8</b>	13.5	25	19.0	8.5	18.0	11.5	12.0	48	5.46	25
	M10	<b>8SG10</b>	13.5	25	19.0	10.5	18.0	11.5	12.0	48	5.13	25
		<b>8SG12</b>	13.5	25	19.0	13.0	18.0	13.0	13.0	49	5.15	25
120	M6	<b>9SG6</b>	15.0	26	19.0	6.5	19.5	11.5	14.0	51	6.16	10
		<b>9SG8</b>	15.0	26	19.0	8.4	19.5	11.5	14.0	51	5.94	10
	M10	<b>9SG10</b>	15.0	26	19.0	10.5	19.5	11.5	14.0	51	5.81	10
		<b>9SG12</b>	15.0	26	19.0	13.0	19.5	14.0	14.0	51	5.92	10
150	M6	<b>10SG6</b>	16.5	30	19.0	6.5	21.0	11.5	14.0	56	6.85	10
		<b>10SG8</b>	16.5	30	19.0	8.5	21.0	11.5	14.0	56	6.80	10
	M10	<b>10SG10</b>	16.5	30	19.0	10.5	21.0	11.5	14.0	56	6.75	10
		<b>10SG12</b>	16.5	30	19.0	13.0	21.0	15.0	15.0	57	7.15	10
185	M10	<b>11SG10</b>	19.0	30	24.5	10.5	24.0	11.5	18.0	65	10.59	10
		<b>11SG12</b>	19.0	30	31.0	13.0	24.0	18.0	18.0	65	11.09	10
	M16	<b>11SG16</b>	19.0	30	31.0	17.0	24.0	18.0	18.0	65	9.76	10
240	M10	<b>12SG10</b>	21.0	35	31.0	10.5	26.0	11.5	19.0	72	12.70	5
		<b>12SG12</b>	21.0	35	31.0	13.0	26.0	21.5	19.0	72	13.72	5
	M16	<b>12SG16</b>	21.0	35	31.0	17.0	26.0	21.5	19.0	72	13.28	5
300	M10	<b>13SG10</b>	23.5	44	31.0	10.5	29.5	11.5	24.0	87	19.70	5
		<b>13SG12</b>	23.5	44	31.0	13.0	29.5	24.0	24.0	87	22.72	5
	M16	<b>13SG16</b>	23.5	44	31.0	17.0	29.5	24.0	24.0	87	22.50	5

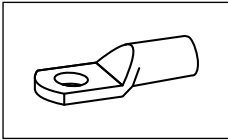


### Tool application chart

**Tubular cable lugs, butt connectors, parallel connectors and T-connectors „standard type“ and tubular cable lugs for switchgear connections made from Cu**  
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	0,75 - 16	K2		224		
	1 - 4	K511		233		
	6 - 50	K5		226		
		K05		229		
	6 + 10	K512		233		
	10 - 25	K04		228		
	6 - 120	K06		231		
	16 - 95	K95		225		
		TK95		225		
	25 - 150	K09		232		
	50 - 120	K6		226		
	35 - 95	K8		228		
	120 - 240	K7		227		
	185 - 400	K07		227		
Mechanical, electrical, pneumatic crimping tools with interchangeable dies / heads	0.75 - 10	K50		235	312	
		EK50ML		244	312	
	6 - 150	K354		236	314	
	6 - 240	K18		239	323	
	6 - 300	K22		240	327	
Hand hydraulic crimping tools	6 - 185	HK6018		280	323	
		HK60UNV	+UA18	465	323	
	6 - 300	HK6022		282	327	
		HK60UNV	+UA22	465	327	
	10 - 240	HK60VP		284		
	16 - 300	HK60VPFT		285		
	16 - 400	HK12030		286	333	
		HK12042		288	333	
HK120U			290	333		
Battery powered crimping tools	0.75 - 10	EK1550ML		248	312	
		EK30IDML		247		
	6 - 150	EK354ML		250	314	
		EK354		256	314	
	6 - 240	EK5018		260	323	
		EK60UNV	+UA18	468	323	
		EKM60UNV	+UA18	467	323	
	6 - 240	EK505		258	319	

See next page



## Tool application chart

**Tubular cable lugs, butt connectors, parallel connectors and T-connectors „standard type“ and tubular cable lugs for switchgear connections made from Cu**  
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	
Battery powered crimping tools	6 - 300	EK6022		264	327	
		EKM6022		262	327	
		EK60UNV	+UA22	468	327	
		EKM60UNV	+UA22	467	327	
	10 - 240	EK60VP		266		
		EKM60ID		268		
	16 - 300	EK60VPFT		267		
	16 - 400	EK12032		270	333	
		EK12042		272	333	
		EK120U		274	333	
		EK135FT	+UA12T	276	333	
		EK120UNV	+UA15T	469	333	
	70 - 185	EK120ID		269		
	400 - 630	EK135FT		276	338	
Hydraulic crimping systems	6 - 240	THK18		294	323	
	6 - 300	THK22		296	327	
	10 - 400	THK120		300	333	
	16 - 400	HK252	+25A13	308	333 + 339	
Hydraulic crimping heads	6 - 240	PK18		294	323	
		PK60UNV	+UA18	466	323	
	6 - 300	PK22		296	327	
		PK60UNV	+UA22	466	327	
	10 - 240	PK60VP		298		
		PK60ID		299		
	16 - 300	PK60VPFT		298		
	16 - 400	PK12042		300	333	
		PK120U		302	333	
	16 - 400	PK252	+25A13	304	333 + 339	