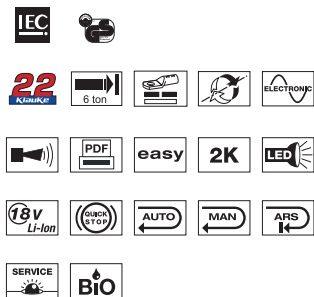


EKM 60/22-L Battery powered crimping tool 6 - 300 mm<sup>2</sup>

- ▶ Large crimping range up to 300 mm<sup>2</sup>
- ▶ Slim crimping head - ideal when space is critical
- ▶ Automatic retract stop (ARS) for positioning control in case of multiple crimpings

## Characteristics

- For interchangeable dies, series 22, narrow crimping
- Closed crimping head, flip top style, rotatable
- Electronic control and monitoring of crimping operation
- Integrated pressure measurement with visual and audible signals in case of failure
- Evaluation function using optical interface and USB adapter
- One-button operating concept for controlling all tooling functions
- Ergonomic 2-component plastic housing with soft linings for comfortable and safe one-hand operation
- Balanced centre of gravity for easy handling and effortless operations
- LED for workplace illumination
- High-performance 18V Lithium-ion battery with high capacity and extremely short charging time
- High-performance motors for maximum operating speed
- Quick motor stop for high user safety
- Automatic retraction when crimping is complete
- Manual retract in case of need
- Automatic retract stop (ARS) for positioning control in case of multiple crimpings
- Multi-function LED for maintenance control, charge level indicator of the battery and for data transmission via USB adapter
- Environmentally-friendly hydraulic oil, quickly biodegradable















































Technical data	
Crimping force	60 kN
Stroke	17.5 mm
Crimping range	6 - 300 mm <sup>2</sup>
Crimping cycle	2 s (for ARS) to 5 s (depending on cross-section)
Number of crimps	approx. 150 - 200 at 150 mm <sup>2</sup> Cu DIN
Battery voltage	18 V
Battery capacity	1.3 Ah, Li-Ion
Charging time	15 min.
Weight incl. battery	3.0 kg
Ambient temperature	-10°C to +40 °C

Item	Part No.
Battery powered hydraulic crimping tool 6 - 300 mm <sup>2</sup>	<b>EKM6022L</b>
Scope of supply	
Battery 18 V / 1.3 Ah, Li-Ion (23.4 Wh)	RAL1 398
Quick-charger for 18V Li-Ion batteries, 230 V	LGL1 400
Plastic case	KK50L

Accessories	Part No.	Page
Battery 18 V / 3.0 Ah, Li-Ion (54 Wh)	RAL2	398
18 V mains adapter for 240 V Voltage	NG2230	399
USB adapter	PGA1	408
Digital meter for force and pressure measurement	TC1U	406
Measuring adapter, series 22	MA22	406
Force sensor, 70 kN	TF70L	406

Variants	Part No.	Page
L-BOXX with battery powered hydraulic crimping tool EKM6022L, 6 - 300 mm <sup>2</sup>	LBOXXEKM6022L	

**Available dies for Series 22 for EKM 60/22-L**

Suitable for	Connection material	Crimping range mm <sup>2</sup>	Crimp profile	Page
<b>Tubular cable lugs and connectors, Cu</b>				
Tubular cable lugs and connectors blue connection for compacted conductors acc. to VDE 0295, class 2		6 - 300		433
Tubular cable lugs and connectors, Cu, standard type, tubular cable lugs for switchgear connections		6 - 300		434
Insulated tubular cable lugs and connectors, insulated pin terminals		10 - 150		434
Tubular cable lugs and connectors for fine stranded conductors		10 - 70		435
Tubular cable lugs and connectors for solid conductors		1.5 - 16		435
<b>Tubular cable lugs and connectors, Ni, stainless steel</b>				
Tubular cable lugs and connectors, stainless steel		0.5 - 16		435
Tubular cable lugs and connectors, Ni		10 - 50		435
<b>Compression cable lugs and connectors acc. to DIN - Cu</b>				
Compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) Cu		6 - 300		436
Double compression cable lugs		2 x 50 - 2 x 70		436
<b>Terminals, connectors and pin terminals acc. to DIN - Cu</b>				
Terminals (DIN 46234) and pin terminals (DIN 46230) Cu, solderless connectors (DIN 46341) Cu		10 - 70		437
Insulated terminals and pin terminals		10 - 70		437
<b>Sleeves for compacted conductors and sector shaped conductors, Cu</b>				
Pre-rounding crimping dies for Al and Cu sector shaped conductors		10 sm - 300 se / 240 sm		437
<b>Aluminum compression cable lugs and connectors acc. to DIN</b>				
Aluminum compression cable lugs and connectors acc. to DIN		10 - 300		438
Compression joints for full tension connections of Aldrey cables acc. to DIN EN 50182, Al conductors DIN EN 50182, 120 - 185 mm <sup>2</sup>		25 - 185		438
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, aluminum crimping		25/4 - 120/20		439
Compression joints acc. to DIN 48085, part 3 for Al-steel cables acc. to DIN EN 50182, steel crimping		25/4 - 120/20		439
<b>Aluminum/copper compression cable lugs and connectors</b>				
Aluminum/copper compression cable lugs and connectors		10 - 300		438
<b>Clamps</b>				
Clamps, C-type		4 - 50		439
Clamps, H-type		70		439
<b>Cable end-sleeves</b>				
Cable end-sleeves		10 - 240		440
Twin cable end-sleeves		2 x 4 - 2 x 16		440
Cable end-sleeves, trapezoidal, for fine stranded conductors		10 - 240		440
Twin cable end-sleeves, trapezoidal, for fine stranded conductors		2 x 4 - 2 x 16		441

Please observe the restrictions in the technical index when crimping connectors!



## Crimping dies R 22

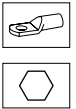


### Suitable for

- Tubular cable lugs and connectors - Cu, standard type
- Tubular cable lugs for switchgear connections

Cross section mm <sup>2</sup>	Part No.	Crimp width mm
6	<b>R226</b>	5
10	<b>R2210</b>	5
16	<b>R2216</b>	5
25	<b>R2225</b>	5
35	<b>R2235</b>	5
50	<b>R2250</b>	5
70	<b>R2270</b>	5
95	<b>R2295</b>	5
120	<b>R22120</b>	5
150	<b>R22150</b>	5
185	<b>R22185</b>	5
240	<b>R22240</b>	5
300	<b>R22300</b>	5

## Crimping die set, 6 - 300 mm<sup>2</sup> R 22 in plastic case, 14-pce.

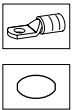


### Suitable for

- Tubular cable lugs and connectors - Cu, standard type
- Tubular cable lugs for switchgear connections

Part No.
<b>R22SET</b>

## Crimping dies IS 22



### Suitable for

- Insulated tubular cable lugs and connectors
- Insulated pin terminals

Cross section mm <sup>2</sup>	Part No.	Crimp width mm
10	<b>IS2210</b>	5
16	<b>IS2216</b>	5
25	<b>IS2225</b>	5
35	<b>IS2235</b>	5
50	<b>IS2250</b>	5
70	<b>IS2270</b>	5
95	<b>IS2295</b>	5
120	<b>IS22120</b>	5
150	<b>IS22150</b>	5



## Crimping dies, blue connection® B 22



► Accurate assignment of crimping tool/crimping die through colour-coding system

### Suitable for

- Tubular cable lugs and connectors, blue connection® for compacted conductors acc. to DIN EN 60228 Class 2

Cross section mm <sup>2</sup>	Part No.	Crimp width mm	Number of crimps
6	<b>B226</b>	9	1
10	<b>B2210</b>	9	1
16	<b>B2216</b>	9	1
25	<b>B2225</b>	9	1
35	<b>B2235</b>	9	1
50	<b>B2250</b>	9	1
70	<b>B2270</b>	9	1
95	<b>B2295</b>	9	1
120	<b>B22120</b>	9	1
150	<b>B22150</b>	9	1
185	<b>B22185</b>	5	2
240	<b>B22240</b>	5	2
300	<b>B22300</b>	5	3

**Crimping die set 6 - 300 mm<sup>2</sup>, blue connection® B22 in plastic case, 14-pce.**



### Suitable for

- Tubular cable lugs and connectors, blue connection® for compacted conductors acc. to DIN EN 60228 Class 2

Part No.
<b>B22SET</b>

## Crimping dies F 22



### Suitable for

- Tubular cable lugs and connectors for fine stranded conductors

Cross section mm <sup>2</sup>	Part No.
10	<b>F2210</b>
16	<b>F2216</b>
25	<b>F2225</b>
35	<b>F2235</b>
50	<b>F2250</b>
70	<b>F2270</b>

## Crimping dies M 22



### Suitable for

- Tubular cable lugs and connectors for solid conductors

Cross section mm <sup>2</sup>	Part No.	Crimp width mm
1.5 - 4	<b>M22154</b>	5
6 - 10	<b>M22610</b>	5
16	<b>M2216</b>	5

## Crimping dies N 22



### Suitable for

- Tubular cable lugs and connectors - Ni
- Tubular cable lugs and connectors - stainless steel

Cross section mm <sup>2</sup>	Part No.
10	<b>N2210</b>
16	<b>N2216</b>
25	<b>N2225</b>
35	<b>N2235</b>
50	<b>N2250</b>

## Crimping dies D 22



### Suitable for

- Compression cable lugs to DIN 46235 and connectors to DIN 46267, part 1 - Cu

Cross section mm <sup>2</sup>	Part No.	Code	Crimp width mm
6	<b>D226</b>	5	5
10	<b>D2210</b>	6	5
16	<b>D2216</b>	8	5
25	<b>D2225</b>	10	5
35	<b>D2235</b>	12	5
50	<b>D2250</b>	14	5
70	<b>D2270</b>	16	5
95	<b>D2295</b>	18	5
120	<b>D22120</b>	20	5
150	<b>D22150</b>	22	5
185	<b>D22185</b>	25	5
240	<b>D22240</b>	28	5
300	<b>D22300</b>	32	5

## Crimping die set, 6-300 mm<sup>2</sup> D 22 in plastic case, 14-pce.

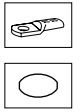


### Suitable for

- Compression cable lugs to DIN 46235 and connectors to DIN 46267, part 1 - Cu

Part No.
<b>D22SET</b>

## Crimping dies DP 22

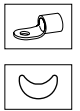


### Suitable for

- Double compression cable lugs

Cross section mm <sup>2</sup>	Part No.	Code
2 x 50	<b>DP2250</b>	22 DP
2 x 70	<b>DP2270</b>	24 DP

## Crimping dies Q 22

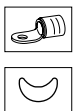


### Suitable for

- Solderless terminals to DIN 46234 and pin terminals to DIN 46230 - Cu
- Solderless connectors to DIN 46341 - Cu

Cross section mm <sup>2</sup>	Part No.
10	<b>Q2210</b>
16	<b>Q2216</b>
25	<b>Q2225</b>
35	<b>Q2235</b>
50	<b>Q2250</b>
70	<b>Q2270</b>

## Crimping dies ISQ 22



### Suitable for

- Insulated solderless terminals and pin terminals

Cross section mm <sup>2</sup>	Part No.
10	<b>ISQ2210</b>
16	<b>ISQ2216</b>
25	<b>ISQ2225</b>
35	<b>ISQ2235</b>
50	<b>ISQ2250</b>
70	<b>ISQ2270</b>

## Crimping dies RU 22



### Suitable for

- Pre-rounding of sector-shaped Al- and Cu-conductors
- 3- and 4-core sector-shaped conductors

Nominal cross section mm <sup>2</sup> re/sm	Nominal cross section mm <sup>2</sup> rm/sm	Part No.	Pre-rounding width mm
	10	<b>RU2210</b>	19.5
	16	<b>RU2216</b>	19.5
35	25	<b>RU223525</b>	19.5
50	35	<b>RU225035</b>	19.5
70	50	<b>RU227050</b>	19.5
95	70	<b>RU229570</b>	19.5
120	95	<b>RU2212095</b>	19.5
150	120	<b>RU22150120</b>	19.5
185	150	<b>RU22185150</b>	19.5
240	185	<b>RU22240185</b>	19.5
300	240	<b>RU22300240</b>	19.5
	300	<b>RU22300SM</b>	19,5

## Crimping dies A 22



### Suitable for

- Compression cable lugs and connectors to DIN - Al
- Compression cable lugs and connectors Al/Cu (aluminium side)

Nominal cross section mm <sup>2</sup> re/se	Nominal cross section mm <sup>2</sup> rm/sm	Part No.	Code	Crimp width mm
16	10	<b>A2210</b>	10	7
25-35	16-25	<b>A221625</b>	12	7
50	35	<b>A2235</b>	14	7
70	50	<b>A2250</b>	16	7
95	70	<b>A2270</b>	18	7
120-150	95-120	<b>A2295120</b>	22	7
185	150	<b>A22150</b>	25	7
270	185	<b>A22185</b>	28	7
300	240	<b>A22240</b>	32	5
400	300	<b>A22300</b>	34	5

## Crimping die set, 10-300 mm<sup>2</sup> A 22 in plastic case, 11-pce.



### Suitable for

- Compression cable lugs and connectors to DIN - Al
- Compression cable lugs and connectors Al/Cu (aluminium side)

Part No.
<b>A22SET</b>

## Crimping dies AD 22



### Suitable for

- Compression joints for full tension connections of Aldrey conductors according to DIN EN 50182
- Al-conductor acc. to DIN EN 50182, 120 - 185 mm<sup>2</sup>

Cross section mm <sup>2</sup>	Part No.	Code	Crimp width mm
25	<b>AD2225</b>	12	7
35	<b>AD2235</b>	14	7
50	<b>AD2250</b>	16	7
70	<b>AD2270</b>	18	7
95	<b>AD2295</b>	20	7
120	<b>AD22120</b>	25	7
150 - 185	<b>AD22150185</b>	28	7

### Crimping dies AST 22



**Suitable for**

- Compression joints acc. to DIN 48085, part 3 for Al-/St-cable acc. to DIN EN 50182
- Aluminium crimping

Cross section mm <sup>2</sup>	Part No.	Code	Crimp width mm
25 - 4	<b>AST2225</b>	12	7
35 - 6	<b>AST2235</b>	14	7
50 - 8	<b>AST2250</b>	16	7
70 - 12	<b>AST2270</b>	18	7
95 - 15	<b>AST2295</b>	22	7
120 - 20	<b>AST22120</b>	25	7

### Crimping dies ST 22

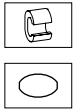


**Suitable for**

- Compression joints acc. to DIN 48085, part 3 for Al-/St-cable acc. to DIN EN 50182
- Steel crimping

Cross section mm <sup>2</sup>	Part No.	Code	Crimp width mm
25 - 4 35 - 6	<b>ST2246</b>	6	5
50 - 8	<b>ST228</b>	7	5
70 - 12 95 - 15	<b>ST221215</b>	9	5
120 - 20	<b>ST2220</b>	13	5

### Crimping dies C 22 / MC 22



**Suitable for**

- C-clamps

Cross section mm <sup>2</sup>	Part No.	Crimp width mm
16	<b>C2216</b>	5
25	<b>C2225</b>	5
35	<b>C2235</b>	5
50	<b>C2250</b>	5
70	<b>C2270</b>	5
4 - 4	<b>MC224</b>	5
10 - 10	<b>MC2210</b>	5
10 - 1 10 - 25 35 - 35	<b>MC2235</b>	5

### Crimping dies H 22



**Suitable for**

- H-clamps

Cross section mm <sup>2</sup>	Part No.	Crimp width mm
70	<b>H2270</b>	5



## Crimping dies AES 22



### Suitable for

- Cable end-sleeves
- Special trapezoid crimp for fine stranded conductors

### Additional information

- \* = Not suitable for THK 22 due to opening width

Cross section mm <sup>2</sup>	Part No.	Crimp width mm
10	<b>AES2210S</b>	21
16	<b>AES2216S</b>	21
25	<b>AES2225S</b>	21
35	<b>AES2235S</b>	21
50	<b>AES2250S</b>	21
70	<b>AES2270S</b>	21
95	<b>AES2295S</b>	21
120	<b>AES22120S</b>	21
150	<b>AES22150S</b>	21
185 *	<b>AES22185S</b>	21
240 *	<b>AES22240S</b>	21

## Crimping dies ZAE 22



### Suitable for

- Twin-cable end-sleeves

Cross section mm <sup>2</sup>	Part No.	Crimp width mm
2 x 4	<b>ZAE224</b>	21
2 x 6	<b>ZAE226</b>	21
2 x 10	<b>ZAE2210</b>	21
2 x 16	<b>ZAE2216</b>	21

## Crimping dies ZAES 22



### Suitable for

- Twin-cable end-sleeves
- Special trapezoid crimp for fine stranded conductors

Cross section mm <sup>2</sup>	Part No.	Crimp width mm
2 x 4	<b>ZAES224</b>	21
2 x 6	<b>ZAES226</b>	21
2 x 10	<b>ZAES2210</b>	21
2 x 16	<b>ZAES2216</b>	21