

Best Of Klauke

Electrical connecting systems Crimping tools **Cutting tools** Holemaking tools **Universal tools**
Hand tools **Cable Pulling technology** Testing and measuring instruments



Verbindungen mit **System**
The **POWER** of Partnership

Klauke[®]

Connection material for copper conductor



Tubular cable lugs Cu 6 - 400 mm², R-series

- Standard type
- For stranded conductors e.g. DIN EN 60228 Class 2
 - For pre-rounded sector shaped conductors
 - Also available with inspection hole
 - Material/Surface: copper acc. to EN 13600/tin plated
 - Available with narrow flange for switchgear



mm²	M5	M6	M8	M10	M12	M14	M16	M20	
6	1R5	1R6	1R8	1R10	1R12				
10	2R5	2R6	2R8	2R10	2R12				
16	3R5	3R6	3R8	3R10	3R12				
25	4R5	4R6	4R8	4R10	4R12	4R14			
35		5R6	5R8	5R10	5R12	5R14	5R16		
50		6R6	6R8	6R10	6R12	6R14	6R16	6R20	
70		7R6	7R8	7R10	7R12	7R14	7R16	7R20	
95			8R8	8R10	8R12	8R14	8R16	8R20	
120			9R8	9R10	9R12	9R14	9R16	9R20	
150			10R8	10R10	10R12	10R14	10R16	10R20	
185				11R10	11R12	11R14	11R16	11R20	
240				12R10	12R12	12R14	12R16	12R20	
300					13R12	13R14	13R16	13R20	
400						14R12	14R14	14R16	14R20



Tubular cable lugs Cu 10 - 300 mm², F-series

- For fine and superfine stranded conductors e.g. DIN EN 60228 Class 5 and 6
- Also available with inspection hole
- Material/Surface: copper acc. to EN 13600/tin plated
- Also available as butt connector



mm²	M5	M6	M8	M10	M12	M14	M16	M20	
10	702F5	702F6	702F8	702F10	702F12				
16	703F5	703F6	703F8	703F10	703F12				
25	704F5	704F6	704F8	704F10	704F12				
35		705F6	705F8	705F10	705F12	705F14			
50		706F6	706F8	706F10	706F12	706F14	706F16		
70			707F8	707F10	707F12	707F14	707F16		
95			708F8	708F10	708F12	708F14	708F16		
120				709F10	709F12	709F14	709F16	709F20	
150				710F10	710F12	710F14	710F16	710F20	
185					711F12	711F14	711F16	711F20	
240				712F10	712F12	712F14	712F16	712F20	
300						713F12	713F14	713F16	713F20



Butt connectors Cu 0.75 - 400 mm², R-series

- Standard type
- For stranded conductors e.g. DIN EN 60228 Class 2
 - Annealed material optimizes material and crimping characteristics
 - Material/Surface: copper acc. to EN 13600/tin plated



mm²		mm²		mm²		mm²	
0.75	17R	10	22R	70	27R	240	32R
1.5	18R	16	23R	95	28R	300	33R
2.5	19R	25	24R	120	29R	400	34R
4	20R	35	25R	150	30R		
6	21R	50	26R	185	31R		



Compression cable lugs Cu 6 - 400 mm² acc. to DIN 46235

- For solid, multi, fine and super fine round conductors, e.g. acc. to DIN EN 60228 Class 1, 2, 5 and 6
- Also for pre-rounded multi-stranded sector shaped conductors
- Clear tool assignment by code number
- Material/Surface: copper acc. to EN 13600/tin plated



mm²	M5	M6	M8	M10	M12	M14	M16	M20
6	101R5	101R6	101R8					
10	102R5	102R6	102R8					
16		103R6	103R8	103R10	103R12			
25		104R6	104R8	104R10	104R12			
35		105R6	105R8	105R10	105R12	105R14		
50			106R8	106R10	106R12	106R14	106R16	
70			107R8	107R10	107R12	107R14	107R16	
95			108R8	108R10	108R12	108R14	108R16	
120				109R10	109R12	109R14	109R16	109R20
150				110R10	110R12	110R14	110R16	110R20
185				111R10	111R12	111R14	111R16	111R20
240					112R12	112R14	112R16	112R20
300						113R14	113R16	113R20
400						114R14	114R16	114R20
500							115R16	115R20
625							116R16	116R20
800							117R16	117R20
1000							118R16	118R20



Butt connectors Cu 1.5 - 50 mm², Solid conductor

- For solid conductor, e.g. DIN EN 60228 Class 1
- Material/Surface: copper acc. to EN 13600/tin plated
- Also available as a connector



mm²		mm²		mm²		mm²	
1.5 - 2.5	SV1525	6	SV6	16	SV16	35	SV35
4	SV4	10	SV10	25	SV25	50	SV50

Connection material for aluminum conductor



Compression cable lugs Al acc. to 46329 16 - 500 mm²

- For non-tension connections of Al-cables acc. to DIN EN 60228 and Al overhead lines acc. to DIN EN 50182
- Material/Surface: E-Al/bright
- Also available with dimensions acc. to DIN
- Tinned version also available



mm² rm/sm*	mm² se*	M6	M8	M10	M12	M16	M20
16	25		263R8	263R10			
25	35		264R8	264R10	264R12		
35	50		265R8	265R10	265R12		
50	70		266R8	266R10	266R12		
70	95		267R8	267R10	267R12		
95	120			268R10	268R12	268R16	
120	150			269R10	269R12	269R16	
150	185			270R10	270R12	270R16	270R20
185	240			271R10	271R12	271R16	271R20
240	300			272R10	272R12	272R16	272R20
300	--				273R12	273R16	273R20
400	--				274R12	274R16	274R20
500	--				275R12	275R16	275R20



Compression cable lugs Al/Cu 16 - 300 mm²

- Dimensions acc. to DIN 46329
- For non-tension connections of Al-cables acc. to DIN EN 60228 and Al overhead lines acc. to DIN EN 50182
- Material/Surface: E-Al, Copper acc. to EN 13600/bright
- For screwing non-tension aluminum connections using Cu-washers in humid areas



mm² rm/sm*	mm² se*	M8	M10	M12	M16	M20	
16	25	363R8	363R10				
25	35	364R8	364R10	364R12			
35	50	365R8	365R10	365R12			
50	70	366R8	366R10	366R12			
70	95		367R10	367R12			
95	120		368R10	368R12	368R16		
120	150			369R12	369R16		
150	185			370R12	370R16	370R20	
185	240			371R10	371R12	371R16	371R20
240	300			372R10	372R12	372R16	372R20
300	--				373R12	373R16	373R20
400	--					374R12	

* rm = round multi-stranded, sm = sector stranded, se = sector solid

Crimping and cutting tools

Klauke Micro



- K05** 6 - 50 mm²
K06 16 - 95 mm²
K09 35 - 150 mm²
- Synchronized profile dies adjustment
 - For tubular cable lugs and connectors standard type, acc. to DIN and "blue connection"



Cu/Al

- K118** max. dia 12 mm
- For solid, stranded, fine- and super fine stranded conductors, DIN EN 60228 cl. 1, 2, 5 and 6
 - For fine and super fine conductors, Class 5 up to 50 mm²
 - High cutting performance by specially designed cutting blades



Cu/Al



- K106/1** max. Ø 26 mm
- Lightweight design with great cutting performance
 - Effortless working thanks to 2-stage ratchet system



Cu/Al



- K106/2** max. dia 62 mm
- 2-stage ratchet system
 - Lightweight design with high cutting performance
 - Also for fine stranded conductors



50 mm²

K50 SERIE



- EK50ML** 0.14 - 50 mm²
- For interchangeable dies, series 50
 - One-lever operation
 - Automatic retraction
 - Very low weight (0.96 kg)
 - Crimping force: 15 kN

Hand-operated cutting tools for Cu and Al cable

Battery powered crimping tools (also available with Bosch or Makita battery)



150 mm²

K4 SERIE

- EK354** 6 - 150 mm²
- For crimping dies series 4
 - Slim crimping head
 - Automatic retraction
 - Blue tooth for readout of data
 - 18 V/2.0 Ah Li-Ion battery
 - Crimping force: 35 kN



240 mm²

K5 SERIE



- EK505** 6 - 240 mm²
- For crimping dies series 5
 - Intelligent Pressing System „IPS“
 - Display for tool data
 - 18 V/2.0 Ah Li-Ion battery
 - Crimping force: 50 kN



300 mm²

K22 SERIE



- EK6022** 6 - 300 mm²
- For crimping dies series 22
 - Two stage hydraulics
 - Intelligent Pressing System „IPS“
 - Display for tool data
 - 18 V/5 Ah Li-Ion battery
 - Crimping force: 60 kN



400 mm²

K13 SERIE



- EK12042** 10 - 400 mm²
- For crimping dies series 13
 - C-head with 42 mm opening width
 - Intelligent Pressing System „IPS“
 - Automatic retraction stop (ARS)
 - 18 V/5 Ah Li-Ion battery
 - Crimping force: 120 kN, wide crimping



240 mm²



- EKM60ID** 240 mm²
- With 2-stage telescopic cylinder
 - No dies required
 - Intelligent Pressing System „IPS“
 - 18 V/2.0 Ah Li-Ion battery
 - Crimping force: 30-60 kN

Battery powered cutting tools (also available with Bosch or Makita battery)

Klauke Multi



Ø 50 mm

Cu/Al



- ESM 50** max. Ø 50 mm
- For cutting copper and aluminum cables (even fine stranded conductors)
 - 18 V/2.0 Ah, Li-Ion battery
 - Cutting force: 38 kN



Ø 45 mm

Cu/Al
ACSR



- ESGM45** max. dia 45 mm
- For cutting Al/St conductors (ACSR)
 - 18 V/2.0 Ah, Li-Ion battery
 - Cutting force: 70 kN



Ø 65 mm

Cu/Al

- ES65** max. dia 65 mm
- Cuts light steel armoured copper and aluminum cables (depending on type of cable), suitable for fine stranded cables
 - Innovative opening mechanism
 - 18 V/5 Ah Li-Ion battery
 - Cutting force: 40 kN



Ø 85 mm

Cu/Al

- ESG85** max. dia 85 mm
- Cuts light steel armoured copper and aluminum cables (depending on type of cable)
 - Cutting head and bolt interlock for highest safety for the operator
 - 18 V/5 Ah Li-Ion battery
 - Cutting force: 60 kN



- EK60UNV**
- One head for crimping, cutting and punching
 - Manual retraction stop with „teach in“ (MRS+) for positioning control in case of multiple crimpings
 - 18 V/5 Ah Li-Ion battery

Crimping and cutting heads, safety cutting tool, pumps



625 mm²

K25 SERIE

- PK25/2** 16 - 625 mm²
- Hydraulic crimping head
 - For dies acc. to DIN 48083 sheet 3, series 25
 - Crimping force: 250 kN
 - For connecting to hydraulic drive unit with 700 bar operating pressure



Ø 105 mm

Cu/Al
armoured

- SDG105** max. dia 105 mm
- Hydraulic cutting head
 - Cuts armoured copper and aluminum cables
 - Cutting force: 120 kN
 - For connecting to hydraulic drive unit with 700 bar operating pressure



700 bar

- PK1000**
- Single-acting crimping head for connecting pumps
 - For interchangeable dies,
 - Nickel-plated version
 - Quick coupling
 - Operation pressure: 700 bar



Ø 120 mm



- ASSG120SL** max. dia 120 mm
- BG-approved safety cutting tool
 - Various head sizes (open or guillotine shape) up to 120 mm
 - Incl. 2 x 18 V/5 Ah Li-Ion batteries



700 bar

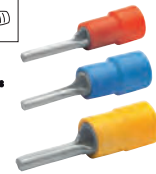


- AHP700L drive unit**
- For crimping, cutting and punching
 - Intelligent Pressing System „IPS“
 - Multifunction LED for data communication to PC
 - 2 x 18 V/3.0 Ah Li-Ion battery
 - Operation pressure: max. 700 bar

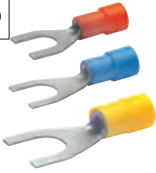
Insulated cable connections and cable end-sleeves



Insulated solderless terminals 0.5 - 6 mm ²							
mm ²	M3	M3.5	M4	M5	M6	M8	
0.5 - 1.0	6203	62035	6204	6205	6206	6208	
1.5 - 2.5	6303	63035	6304	6305	6306	6308	
4 - 6			6504	6505	6506	6508	



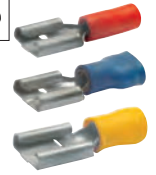
Insulated pin terminals 0.5 - 6 mm ²		
mm ²		
0.5 - 1.0		705
1.5 - 2.5		710
4 - 6		715



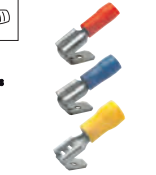
Insulated solderless terminals fork type 0.5 - 6 mm ²						
mm ²	M3.5	M4	M5	M6	M8	
0.5 - 1.0	620C35	620C4	620C5	620C6		
1.5 - 2.5	630C35	630C4	630C5	630C6		
4 - 6		650C4	650C5	650C6	650C8	



Insulated receptacles (fully insulated) 0.5 - 6 mm ²		
mm ²		
0.5 - 1.0		720V
1.5 - 2.5		730V
4 - 6		750V



Insulated receptacles 0.5 - 6 mm ²							
mm ²	2.8 x 0.5	2.8 x 0.8	4.8 x 0.5	4.8 x 0.8	6.3 x 0.8	7.7 x 0.5	
0.5 - 1.0	8201	8201A	8202	8203	720	7208	
1.5 - 2.5	8301	8301A	8302	8303	730	7308	
4 - 6				8503	750		



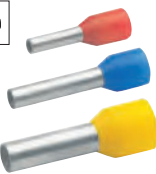
Insulated receptacles multiple type 0.5 - 6 mm ²		
mm ²		
0.5 - 1.0		720AZ
1.5 - 2.5		730AZ
4 - 6		750AZ



Insulated tabs 0.5 - 6 mm ²				
mm ²	0.5 - 1.0	1.5 - 2.5	4 - 6	
2.8 x 0.5	8201C			
2.8 x 0.8	8201B			
4.8 x 0.5	8202B	8302B	8502B	
4.8 x 0.8	8203B	8303B	8503B	
6.3 x 0.8	820	830	850	



Insulated butt connectors 0.5 - 6 mm ²		
mm ²		
0.5 - 1.0		670
1.5 - 2.5		680
4 - 6		700



Insulated cable end-sleeves 0.5 - 50 mm ² acc. to DIN 46228 part 4								
mm ²	L		mm ²	L				
0.5	12	4696	6	20	47512			
	14	4698		26	47518			
	16	4708		22	47612			
0.75	14	4718	10	28	47618			
	16	47110		16	24	47712		
	14	4728		28	47718			
1	14	47210	25	30	47816			
	18	47212		32	47818			
	14	4738		30	47916			
1.5	14	47312	35	32	47918			
	18	47410		50	36	48020		
	17	47412			40	48025		

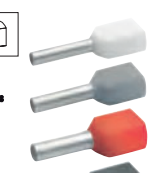


Insulated closed endsplices 1.5 - 6 mm ²		
mm ²		
1.5 - 2.5		1130
4 - 6		1150



ST 11 B Pocket box with insul. cable end-sleeves 0.5 - 2.5 mm ² acc. to DIN 46228 p. 4			
50 x 0.5 mm ²	100 x 0.75 mm ²		
100 x 1 mm ²	100 x 1.5 mm ²		
50 x 2.5 mm ²			

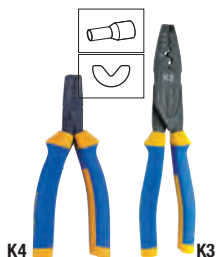
ST 12 B Pocket box with insul. cable end-sleeves 4 - 16 mm ² acc. to DIN 46228 p. 4			
50 x 4 mm ²	20 x 6 mm ²		
20 x 10 mm ²	10 x 16 mm ²		



Insulated twin cable end-sleeves 2 x 0.5 - 2 x 16 mm ²				
mm ²	L			
2 x 0.5	15	8698		
	15	8708		
2 x 0.75	17	87010		
	15	8718		
2 x 1	17	87110		
	16	8728		
2 x 1.5	20	87212		
	18.5	87310		
2 x 2.5	21.5	87313		
	23	87412		
2 x 4	26	87514		
	26	87614		
2 x 10	26	87614		
	30	87714		

• For multi-purpose use of clamps

Mechanical crimping tools



K4 K3

- Spring supported tool opening (K4)
- With wire cutter (K3)
- For cable end-sleeves



K301/4K 0.14 - 10 mm² 2 x 0.25 - 2 x 4 mm²

- With ratchet
- Positioner for exact crimping results



K304K/ K306K 0.08 - 16 mm² 2 x 0.5 - 2 x 6 mm²

- One crimping profile for all sections
- K304K: Square crimping
- K306K: Hexagonal crimping



K28 10 - 50 mm² 2 x 4 - 2 x 16 mm²

- With ratchet
- Trapezoid crimping



K82 0.5 - 6 mm²

- Crimping of conductor and insulation in one step
- With ratchet
- For insulated cable connections



K507 0.5 - 10 mm²

- Exchangeable dies integrated in handle
- 0.5 - 6 mm²
- 0.5 - 10 mm²
- 0.5 - 10 mm²

For cable end-sleeves and twin cable end-sleeves



VDE tools



**VDE Cable cutters
KL040160IS**

- High cutting performance on hard wires and soft wires
- Length: 160 mm



**VDE Heavy-duty lever side cutter
KL044200IS**

- 18° angled head
- Inductive hardened precision cutting edges for superfine wires
- Cuts soft and medium-hard wires
- Length: 200 mm



**VDE Cable cutters
KL010210IS**

- Stripping and cutting of copper and aluminum cables
- Adjustable joint
- Length: 210 mm



**VDE Combination pliers
KL020180IS**

- Holds flat and round material, cuts hard and soft wires
- With combination ring spanner 11 – 17 mm (M8 – M10)



**VDE Telephone pliers, bent
KL055205IS**

- Serrated jaws, 45° angled flat-round jaws
- With wire cutter
- Length: 205 mm



**VDE Screwdriver Slim Line
PZ1/PZ2**

- For Pozidriv screws
- PZ1: KL120PZ1SLIM
- PZ2: KL120PZ2ISLIM



**VDE Screwdriver Slim Line
Z1/Z2**

- For Plus/Minus screws
- For switchgear
- Z1: KH130PM1ISLIM
- Z2: KL130PM2ISLIM



**VDE Screwdriver set
KL390IS, 6 pcs**

- Phillips: 80 x PH1 / 100 x PH2
- Slotted: 2.5 x 0.4 x 75 / 4.0 x 0.8 x 100 / 5.5 x 1.0 x 125 mm
- Single-pole voltage tester, 150 V - 250 V



**VDE Screwdriver set Slim Line
KL390ISLIM, 5 pcs**

- Pozidriv Slim Line: 80 x PZ1 / 100 x PZ2
- Slotted Slim Line: 3.5 x 0.6 x 100 / 5.5 x 1.0 x 125 mm
- Single-pole voltage tester, 150 V - 250 V



4x

2x

1x

1x

2x

**Klauke E-smart box
KL301IS, 13 pcs**

- Interchangeable IEC screwdriver blade set for all standard screws, with voltage tester GT-12A

Standard, wire stripping and stripping tools



**Engineers professional case
KL905B15, 15 pcs**

- Technicians notebook/tool bag
- Equipped with VDE and standard tools
- Material: Hard-wearing nylon



**Socket head bit set 1/4"
KL361, 28 pcs**

- Ratchet 1/4"
- 16 Bits, 1 Quick-change chuck
- Smart handle
- 2 Extensions 75 mm, 150 mm



**Automatic wire stripping tool
K43/3**

- Self-adjustable cutting and stripping tool incl. cutter for fine stranded cable
- Spare stripping knife in handle
- Stripping range: 0.03 - 16 mm²



**Cable stripper
K400**

- Exchangeable hooks, width 4.5 - 40 mm
- Stripping diameter max. 21/40 mm



**Electricians knife with straight blade
KL745GK with hooked blade
KL745HK**

- Precise, fast and safe stripping of all standard round cables from 4 - 28 mm dia

Testers and measuring instruments



GT-12A



GT-16

Contactless voltage tester

- With automatic self-test
- **GT-12A:** Voltage range: 50 - 1,000 V AC CAT IV / 1,000 V
- **GT-16:** Voltage range: 5 - 1,000 V AC CAT IV / 1,000 V



Bipolar voltage tester GT-85NE

- LC display / AC and DC voltage
- Rotary field testing, phase testing and continuity check, optical and acoustic
- Diode test
- CAT: III 1000 V / IV 600 V



Digital multimeter DM-200A

- Automatic and manual range selection
- Backlit LC-display
- AC and DC test
- Temperature test, capacity
- CAT: II 1000 V / III 600 V / IV 300 V



Clamp-on multimeter CM-1560

- True RMS actual effective value
- AmpTip™ provides increased accuracy
- CAT: IV 600 V / III 1000 V
- Lifetime Warranty

Round punches



Slug Buster punches SLUG-BUSTER®

- Suitable for mild steel, plastic and aluminum up to 3.5 mm

Punch Size			Max. material-thickness mm (mild steel)	Complete unit
True di-mension mm	Standard size			
	Pg	ISO		
12.5	7	12	1.5	50067273
15.2	9		2.0	50319892
16.2	16		2.0	50351770
18.6	11		2.0	50319906
20.4	13	20	2.0	50319914
22.5	16		2.0	50319620
25.4	25		2.0	50351788
28.3	21		3.0	50319639
28.3	21		2.0	50319930
30.5			2.0	50365088
30.5			3.0	50602462
32.5	32		3.0	50351796

Punch Size			Max. material-thickness mm (mild steel)	Complete unit
True di-mension mm	Standard size			
	Pg	ISO		
34.6			3.0	50319647
37.0	29		3.0	50319957
40.5	40		3.0	50351800
43.2			3.0	50319655
47.0	36		3.0	50319965
49.6			3.0	50319663
50.8	50		3.0	50351818
54.0	42		3.0	50361716
60.0	48		3.0	50319981
61.5			3.0	50319671
64.0	63		3.0	50351826



SPEED PUNCH™ punches

- Up to 3x faster than conventional punching tools
- Simple operation and great time-saving due to speed lock system

Punch Size			Max. material-thickness mm (mild steel)	Complete unit
True di-mension mm	Standard size			
	Pg	ISO		
16.2	16		3.5	52055431
20.4	20		3.5	52055432
22.5	16		3.5	52055433
25.4	25		3.5	52055434
32.5	32		3.5	52055435
40.5	40		3.5	52055436
50.8	50		3.5	52055437
64.0	63		3.5	52055438

Punch drivers



7804E



7904E

Hydraulic punch driver Kwik Draw™ 7804E 50342916 Kwik Draw 90™ 7904E 50342991

- Round punches up to ISO 63 (64 mm dia)
- Special shape punches up to max. 68 x 68 mm or 35 x 65 mm



LS 50 FLEX Battery powered punch driver

- Round punches 144.1 mm (ST37 3 mm / VA 2 mm)
- Special shape punches 104.8 x 104.8 mm (ST37 2 mm)
- 18 V/3.0 Ah Li-Ion battery
- Punching force: 60 kN

Special cutting tools and step bits



Wiring duct cutter 50125700

- Burr-free cutting lengths also for halogen-free cable channel
- Standard and halogen-free plastic profile
- Maintenance free



Kwik Stepper Step bit set 50069900

- Burr free drilling of steel sheets, pipes, non-ferrous metals, stainless steel and plastic
- Drilling range from 4 - 30 mm

Cable pulling technology



Dura Spinner

- Polyester fish tape included accessory kit and insertion aid
- Nearly unbreakable polyester tape

Dia	Length	
3.8 mm	20 m	52074600
3.8 mm	30 m	52074650



Flexi Spinner

- Polyester fish tape included accessory kit and insertion aid
- Sturdy housing

Dia	Length	
4.5 mm	20 m	52055389
4.5 mm	25 m	52055390
4.5 mm	30 m	52055391

Measuring instruments for medium and high voltage



DVM-80UVK Universal Voltmeter/Phasing Set

- Suitable for overhead and earth cable
- Digital meter reads in kilovolts
- Backlit display
- Accuracy is 1 % of reading
- Peak hold



HVA-2000 High Voltage Digital Ammeter

- Large bright display
- Fast results
- Suitable for overhead and earth cables up to 7 cm in diameter
- Easy to use
- Stores the last 4 readings



VWS-20-V-Watch Personal Voltage Detector

- Detection and warning of electric fields
- Alarm distance increases with the level of the voltage
- Warning distance at 4 kV AC is 2.13 m

Strong brands for your success:



Gustav Klauke GmbH

Auf dem Knapp 46
D-42855 Remscheid

Phone: +49 (0) 2191 / 907 - 0

Fax: +49 (0) 2191 / 907 - 205

E-Mail: Klauke-Info@Emerson.com

Internet: www.klauke.com