



$\varnothing 3,2$



13,5

$\varnothing 4,5$

13



16,6

4,5



10

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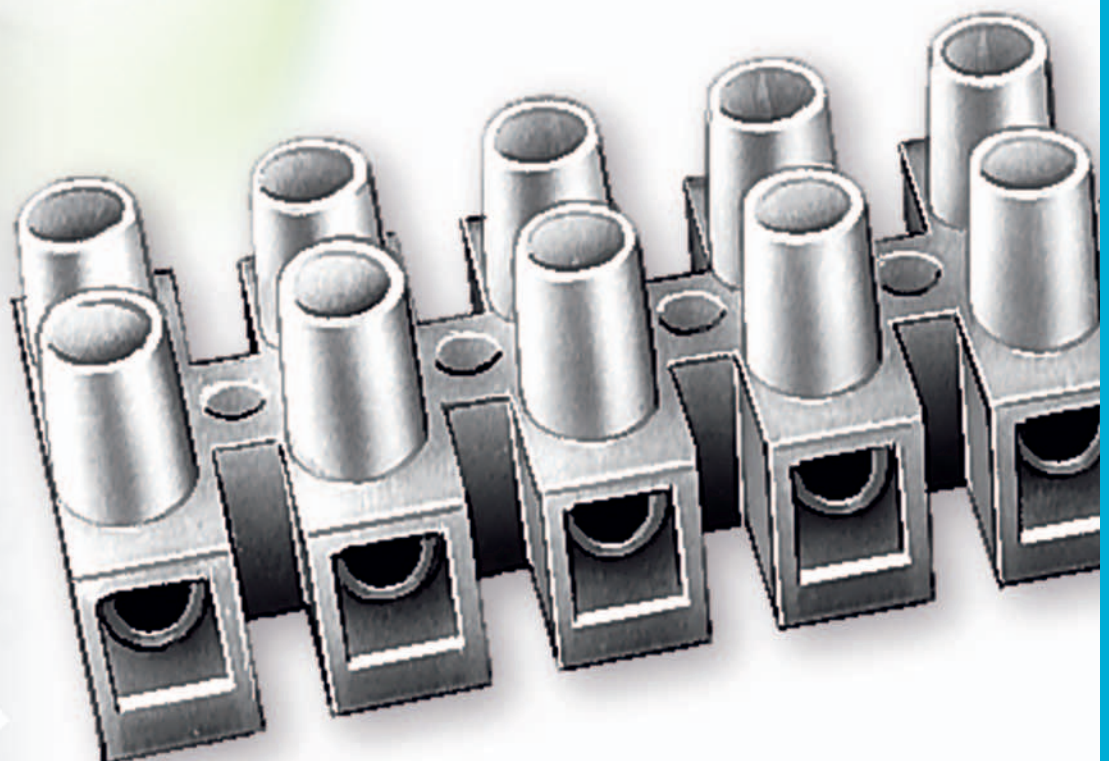
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**Appliance Terminals,
Terminal Strips**

***Terminal Strips
Appliance Terminals
Plug/Screw Terminal Strips
Mains connectors***



appliance TERMINALS

KL 16 PA compact

Europa terminal strips

- 1.5 mm² to 16 mm²
- Pluggable terminal strips
- Marking accessories
- Terminal strips in glow-wire-resistant material according to IEC 60 335-1

Appliance terminals

- With mounting holes
- Made of glazed porcelain, steatite or thermoset
- With mounting rails

Plug/screw terminal strips

2 to 5 pole

2 to 12 pole

Tab/screw KL 17 N

Mains connectors

KL 58

- 3-, 5-, 6 pole with screw connection
- 3-, 5-, 6 pole with 3 tab connectors

Accessories

Terminal strips

					Page 1386/1387
Type KL 16 PA 2.5 mm ² without wire protection	Type KL 16 PA 2.5 mm ² with wire protection (DS)		Type 4 E 1.5 mm ²	Type 6 EH 4 mm ²	
					Page 1388–1391
Type 6 E 4 mm ²	Type 6 ES, Type 6 E 4 mm ²	Type 10 E 6 mm ²	Type 16 E 10 mm ² Type 20 E 16 mm ²	Marking accessories	

Appliance terminals for high-temperature applications

					Page 1392/1393
Lamp terminals			Type 1032/1033		
					Page 1394/1395
DIN terminal 46284			Type 1031/1029		
					Page 1396/1397
Type 1027			1033 A P KR		
					Page 1398
Type 1038					

Tab/screw terminal strips/Terminal blocks

					Page 1400/1401
Type KL 20/2 PA 2 pole	Type KL 20/4 PA 4 pole	Type KL 24 2 to 5 pole	Type KL 24 SL 3 /5 pole	Type KL 30/3 PA 3 pole	
					Page 1402/1403
Terminal boxes			Type KL 17 N/*.../	Type KL 17 N/*.../K	

Mains connectors for wiring inside the device

			Page 1404/1405
Mains connectors with screw connection		Mains connectors with 3 tab connectors	
			Page 1406–1409
Ferrules	Tools		

Type *KL 16 PA*

appliance TERMINALS

Divisible Europa terminal strips

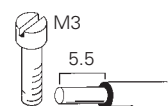
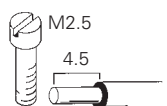
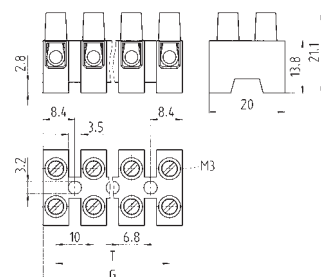
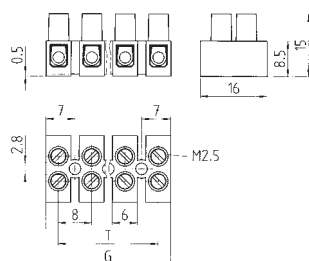
appliance

Material:

Insulating housing: Polyamide 6 ivory /UL 94 V2
 Hardness test at 125 °C
 Glow-wire test with 850 °C
 Tracking test PTI 250
 Clamping body: nickel-plated brass
 Wire protection: phosphor bronze
 Clamping screws: steel, zinc-plated and dichromated

Permanent temperature 100 °C
 Permanent temperature 130 °C
 according to UL 746 B
 Tracking resistance according to
 DIN IEC 112 CTI > 600.

Terminals with wire protection DS are fitted with a wire protection guard inside the clamping body, which prevents damage to the connected wire. All parts are captive in the insulating housing.
 The clamping screws are secured against loosening and provide vibration-proof connections. The terminal strips are supplied with the clamping screws in the "open" position.



Type 4 E

400 V; 17.5 A;



1.5 mm²
 with DS: 1 mm²
 0.75 – 1.5 mm²

Type 6 EH

690 V; 24 A;



4 mm²
 with DS: up to 2.5 mm²/fine-stranded
 1.0 – 2.5 mm²

EN 60998-1/2-1 (fixed position)
 Approvals

	Poles	G	T	Type	Part No.	Std. Pack	G	T	Type	Part No.	Std. Pack
without wire protection	1	6	–	4 E/ 1	21.304.0153.0	5000	7	–	6 EH/ 1	21.312.0153.0	4000
	2	14	8	4 E/ 2	21.304.0253.0	2000	17	10	6 EH/ 2	21.312.0253.0	1500
	3	22	16	4 E/ 3	21.304.0353.0	2000	27	20	6 EH/ 3	21.312.0353.0	750
	4	30	24	4 E/ 4	21.304.0453.0	2000	37	30	6 EH/ 4	21.312.0453.0	1000
	5	38	32	4 E/ 5	21.304.0553.0	1000	47	40	6 EH/ 5	21.312.0553.0	500
	6	46	40	4 E/ 6	21.304.0653.0	1000	57	50	6 EH/ 6	21.312.0653.0	500
	7	54	48	4 E/ 7	21.304.0753.0	500	67	60	6 EH/ 7	21.312.0753.0	500
	8	62	56	4 E/ 8	21.304.0853.0	500	77	70	6 EH/ 8	21.312.0853.0	250
	9	70	64	4 E/ 9	21.304.0953.0	500	87	80	6 EH/ 9	21.312.0953.0	250
	10	78	72	4 E/10	21.304.1053.0	500	97	90	6 EH/10	21.312.1053.0	250
	11	86	80	4 E/11	21.304.1153.0	500	107	100	6 EH/11	21.312.1153.0	250
	12	94	88	4 E	21.304.1253.0	500	117	110	6 EH	21.312.1253.0	250
with wire protection (DS)	1	6	–	4 E/ 1 DS	21.305.0153.0	5000	7	–	6 EH/ 1 DS	21.313.0153.0	4000
	2	14	8	4 E/ 2 DS	21.305.0253.0	2000	17	10	6 EH/ 2 DS	21.313.0253.0	1500
	3	22	16	4 E/ 3 DS	21.305.0353.0	2000	27	20	6 EH/ 3 DS	21.313.0353.0	750
	4	30	24	4 E/ 4 DS	21.305.0453.0	2000	37	30	6 EH/ 4 DS	21.313.0453.0	1000
	5	38	32	4 E/ 5 DS	21.305.0553.0	1000	47	40	6 EH/ 5 DS	21.313.0553.0	500
	6	46	40	4 E/ 6 DS	21.305.0653.0	1000	57	50	6 EH/ 6 DS	21.313.0653.0	500
	7	54	48	4 E/ 7 DS	21.305.0753.0	500	67	60	6 EH/ 7 DS	21.313.0753.0	500
	8	62	56	4 E/ 8 DS	21.305.0853.0	500	77	70	6 EH/ 8 DS	21.313.0853.0	250
	9	70	64	4 E/ 9 DS	21.305.0953.0	500	87	80	6 EH/ 9 DS	21.313.0953.0	250
	10	78	72	4 E/10 DS	21.305.1053.0	500	97	90	6 EH/10 DS	21.313.1053.0	250
	11	86	80	4 E/11 DS	21.305.1153.0	500	107	100	6 EH/11 DS	21.313.1153.0	250
	12	94	88	4 E DS	21.305.1253.0	500	117	110	6 EH DS	21.313.1253.0	250
UL ratings: AWG No. 20-14 20 A (4 E) 22-16 10 A (4 E DS)											
250 V 600 V with PVC insulating spacer											
CSA ratings: AWG No. 22-16 10 A (4 E, 4 E DS) 300 V 600 V with PVC insulating spacer											
– with insulating spacer and mounting screw from insulating material 800 V 4E (DS), 6E (DS), 6EH (DS)											
– 1pole version (without own fastening device) no VDE approval											
Accessories											
Insulating spacer from PVC for higher voltages (2 to 12pole available)	2pole				07.469.0280.0	100					
	12pole				07.469.1280.0	100					
	1000 mm long				07.469.1380.0	100					

Divisible Europa terminal strips

appliance TERMINALS

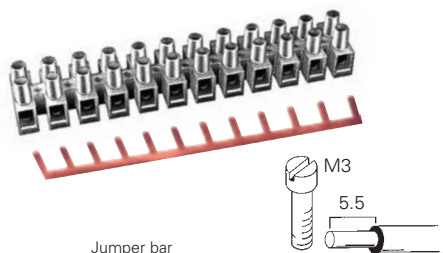
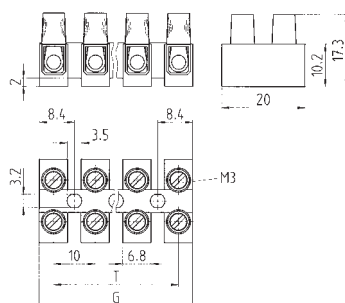
Material:

Insulating housing: Polyamide 6 ivory
Hardness test at 125 °C
Glow-wire test with 850 °C
Tracking test PTI 250
Clamping body: nickel-plated brass
Wire protection: phosphor bronze
Clamping screws: steel, zinc-plated and dichromated

Permanent temperature 100 °C
Permanent temperature 130 °C according to UL 746 B
Tracking resistance according to DIN IEC 112 CTI > 600.

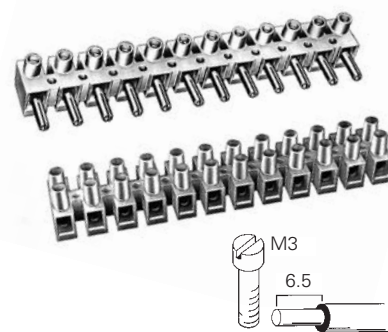
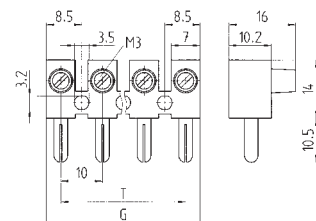
Terminals with wire protection DS are fitted with a wire protection guard inside the clamping body, which prevents damage to the connected wire. All parts are captive in the insulating housing. The clamping screws are secured against loosening and provide vibration-proof connections. The terminal strips are supplied with the clamping screws in the "open" position.

EN 60998-1/-2-1 (fixed position)
EN60335-1/DIN VDE 0700 T1
Approvals



Type 6 E

4 mm²
with DS: up to 2.5 mm²/fine-stranded
400 V; 24 A; (with jumper bar 10 A) 1.0 – 2.5 mm²



Male terminal strip

Type 6 ES

without wire protection

Female terminal strip

Type 6 E

4 mm²

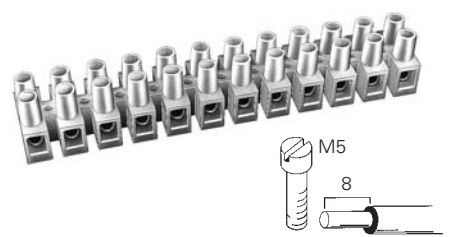
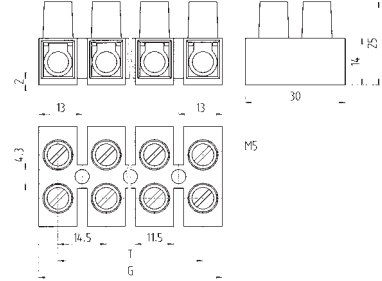
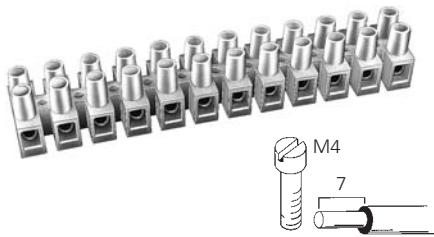
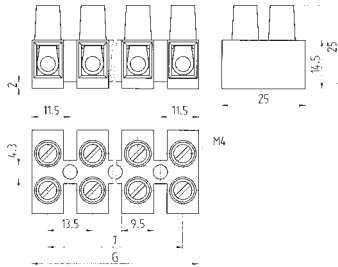
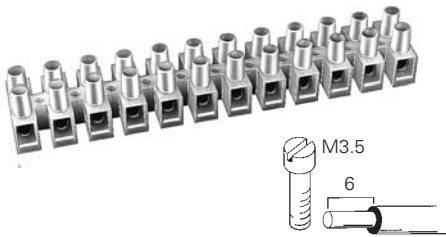
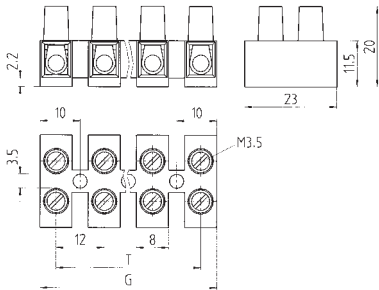
AC 400 V; 10 A; 1 – 1.5 mm²/1 – 2.5 mm²*)
VDE-PB (S) SEV UL

	Poles	G	T	Type	Part No.	Std. Pack	G	T	Type	Part No.	Std. Pack
without wire protection											
UL ratings:											
AWG No. 20-12 20 A (6 E)	1	7	–	6 E/ 1	21.310.0153.0	1500	7	–	6 ES/ 1	22.310.0153.0	100
22-14 15 A (6 E DS)	2	17	10	6 E/ 2	21.310.0253.0	1500	17	10	6 ES/ 2	22.310.0253.0	100
22-12 20 A (6 ES, 6 E)	3	27	20	6 E/ 3	21.310.0353.0	1500	27	20	6 ES/ 3	22.310.0353.0	100
Female terminal strip)	4	37	30	6 E/ 4	21.310.0453.0	1000	37	30	6 ES/ 4	22.310.0453.0	100
22-8 40 A (10 E)	5	47	40	6 E/ 5	21.310.0553.0	500	47	40	6 ES/ 5	22.310.0553.0	100
22-12 20 A (10 E DS)	6	57	50	6 E/ 6	21.310.0653.0	500	57	50	6 ES/ 6	22.310.0653.0	100
22-8 50/65 A (16 E)-field/factory wiring	7	67	60	6 E/ 7	21.310.0753.0	50	67	60	6 ES/ 7	22.310.0753.0	50
22-10 30/40 A (16 E DS)-field/factory wiring	8	77	70	6 E/ 8	21.310.0853.0	50	77	70	6 ES/ 8	22.310.0853.0	50
20-4 70 A (20 E)	9	87	80	6 E/ 9	21.310.0953.0	50	87	80	6 ES/ 9	22.310.0953.0	50
22-6 65/75 A (20 E DS)-field/factory wiring	10	97	90	6 E/10	21.310.1053.0	50	97	90	6 ES/10	22.310.1053.0	50
300 V (600 V with PVC insulating spacer)	12	117	110	6 E	21.310.1253.0	250	117	110	6 ES	22.310.1253.0	200
with wire protection (DS)											
CSA ratings:											
AWG No. 22-14 20 A (6 E, 6 E DS))	1	7	–	6 E/ 1 DS	21.311.0153.0	1500	7	–	6 E/ 1	99.261.3521.9	100
22-14 20 A (6 ES, 6 E)	2	17	10	6 E/ 2 DS	21.311.0253.0	1500	17	10	6 E/ 2	99.262.3521.9	100
Female terminal strip)	3	27	20	6 E/ 3 DS	21.311.0353.0	1500	27	20	6 E/ 3	99.263.3521.9	100
22-12 25 A (10 E, 10 E DS)	4	37	30	6 E/ 4 DS	21.311.0453.0	1000	37	30	6 E/ 4	99.264.3521.9	500
20-10 40 A (16 E, 16 E DS)	5	47	40	6 E/ 5 DS	21.311.0553.0	500	47	40	6 E/ 5	99.265.3521.9	100
18-8 65 A (20 E, 20 E DS)	6	57	50	6 E/ 6 DS	21.311.0653.0	500	57	50	6 E/ 6	99.266.3521.9	50
300 V (600 V with PVC insulating spacer)	7	67	60	6 E/ 7 DS	21.311.0753.0	50	67	60	6 E/ 7	99.267.3521.9	50
– with insulating spacer and mounting screws from insulating material 800 V 6 E (DS)	8	77	70	6 E/ 8 DS	21.311.0853.0	50	77	70	6 E/ 8	99.268.3521.9	50
– with insulating spacer and mounting screws from insulating material 1000 V 10 E (DS), 16 E (DS), 20 E (DS)	9	87	80	6 E/ 9 DS	21.311.0953.0	50	87	80	6 E/ 9	99.269.3521.9	50
– 1pole version (without own fastening device) no VDE approval	10	97	90	6 E/10 DS	21.311.1053.0	50	97	90	6 E/10	99.270.3521.9	50
	12	117	110	6 E DS	21.311.1253.0	250	117	110	6 E	99.272.3521.9	50
Accessories											
Jumper bars E-Cu	2			VB 11/1/2	07.250.0227.0	100					
	3			VB 11/1/3	07.250.0327.0	100					
	6	52.8		VB 11/1/6	07.250.0627.0	50					
	12	112.8		VB 11/1/12	07.250.1027.0	50					
Insulating spacer PVC		1000.0			07.470.1380.0	1					
for higher voltages	2 –	20.5		LH GE/2	07.470.2256.0	100					
Wire guard Polycarbonat-yellow	12	120		LH GE/12	07.470.3256.0	10					

*) flexible wire/rigid wire

Divisible Europa terminal strips

appliance



Type 10 E
500 V; 32 A;

6 mm²
with wire protection:
up to 4 mm²/fine-stranded
1.5 – 4 mm²

Type 16 E
500 V; 41 A;

10 mm²
with wire protection:
up to 6 mm²/fine-stranded
2.5 – 6 mm²

Type 20 E
500 V; 57 A;

16 mm²
with wire protection:
up to 10 mm²/fine-stranded
4.0 – 10 mm²

G	T	Type	Part No.	Std. Pack		G	T	Type	Part No.	Std. Pack		G	T	Type	Part No.	Std. Pack	
8	–	10 E/ 1	21.330.5153.0	2000		9.5	–	16 E/ 1	21.340.5153.0	200		11.5	–	20 E/ 1	21.340.3153.0	200	
20	12	10 E/ 2	21.330.5253.0	1000		23	13.5	16 E/ 2	21.340.5253.0	100		26	14.5	20 E/ 2	21.340.3253.0	100	
32	24	10 E/ 3	21.330.5353.0	500		36.5	27	16 E/ 3	21.340.5353.0	50		40.5	29	20 E/ 3	21.340.3353.0	50	
44	36	10 E/ 4	21.330.5453.0	250		50	40.5	16 E/ 4	21.340.5453.0	50		55	43.5	20 E/ 4	21.340.3453.0	50	
56	48	10 E/ 5	21.330.5553.0	250		63.5	54	16 E/ 5	21.340.5553.0	50		69.5	58	20 E/ 5	21.340.3553.0	50	
68	60	10 E/ 6	21.330.5653.0	250		77	67.5	16 E/ 6	21.340.5653.0	50		84	72.5	20 E/ 6	21.340.3653.0	50	
80	72	10 E/ 7	21.330.5753.0	250		90.5	81	16 E/ 7	21.340.5753.0	40		98.5	87	20 E/ 7	21.340.3753.0	50	
92	84	10 E/ 8	21.330.5853.0	200		104	94.5	16 E/ 8	21.340.5853.0	40		113	101.5	20 E/ 8	21.340.3853.0	50	
104	96	10 E/ 9	21.330.5953.0	200		117.5	108	16 E/ 9	21.340.5953.0	20		127.5	116	20 E/ 9	21.340.3953.0	20	
116	108	10 E/10	21.330.6053.0	200		131	121.5	16 E/10	21.340.6053.0	20		142	130.5	20 E/10	21.340.4053.0	20	
140	132	10 E	21.330.6253.0	100		158	148.5	16 E	21.340.6253.0	20		171	159.5	20 E	21.340.4253.0	20	
8	–	10 E/ 1 DS	21.331.5153.0	2000		9.5	–	16 E/ 1 DS	21.341.5153.0	200		11.5	–	20 E/ 1 DS	21.341.3153.0	200	
20	12	10 E/ 2 DS	21.331.5253.0	1000		23	13.5	16 E/ 2 DS	21.341.5253.0	100		26	14.5	20 E/ 2 DS	21.341.3253.0	100	
32	24	10 E/ 3 DS	21.331.5353.0	500		36.5	27	16 E/ 3 DS	21.341.5353.0	50		40.5	29	20 E/ 3 DS	21.341.3353.0	50	
44	36	10 E/ 4 DS	21.331.5453.0	250		50	40.5	16 E/ 4 DS	21.341.5453.0	50		55	43.5	20 E/ 4 DS	21.341.3453.0	50	
56	48	10 E/ 5 DS	21.331.5553.0	250		63.5	54	16 E/ 5 DS	21.341.5553.0	50		69.5	58	20 E/ 5 DS	21.341.3553.0	50	
68	60	10 E/ 6 DS	21.331.5653.0	250		77	67.5	16 E/ 6 DS	21.341.5653.0	50		84	72.5	20 E/ 6 DS	21.341.3653.0	50	
80	72	10 E/ 7 DS	21.331.5753.0	250		90.5	81	16 E/ 7 DS	21.341.5753.0	40		98.5	87	20 E/ 7 DS	21.341.3753.0	50	
92	84	10 E/ 8 DS	21.331.5853.0	200		104	94.5	16 E/ 8 DS	21.341.5853.0	40		113	101.5	20 E/ 8 DS	21.341.3853.0	50	
104	96	10 E/ 9 DS	21.331.5953.0	200		117.5	108	16 E/ 9 DS	21.341.5953.0	20		127.5	116	20 E/ 9 DS	21.341.3953.0	20	
116	108	10 E/10 DS	21.331.6053.0	200		131	121.5	16 E/10 DS	21.341.6053.0	20		142	130.5	20 E/10 DS	21.341.4053.0	20	
140	132	10 E DS	21.331.6253.0	100		158	148.5	16 E DS	21.341.6253.0	20		171	159.5	20 E DS	21.341.4253.0	20	

appliance TERMINALS

Terminal strips in glow-wire-resistant material (according to IEC 60335-1)

appliance

The following terminals can be produced
on request in glow-wire-resistant material
according to IEC 60335-1:

KL 16 PA

4 E

6 E

6 ES

6 EH

10 E

16 E

20 E

KL 20

KL 24

KL 30

KL 17 N (not K)

KL 58

appliance TERMINALS

for high-temperature applications up to min. 250 °C (ambient)

appliance TERMINALS

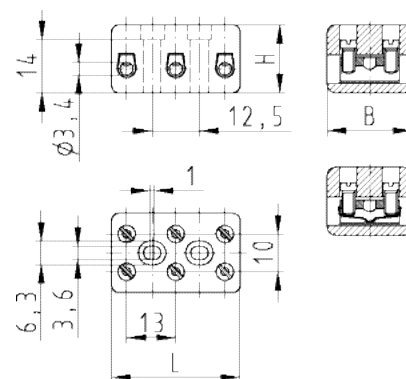
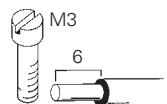
Technical data:
Conductor cross section
2.5 mm² fine-stranded with ferrules (without wire protection)
4.0 mm² solid (without wire protection)

250 V/ 4 kV/ 3
400 V/ 4 kV/ 2

Insulated housing	glazed porcelain
Clamping body	nickel-plated brass
Screw	steel, zinc-plated and passivated

* Continuous operation temperature:
min. 250 ° C
(i.e. tested up to 250 ° C,
higher temperatures on request)

Rated current (EN 60947-7-1):
24 A for 2.5 mm² conductor
32 A for 4.0 mm² conductor



DIN terminal 46284

[illegible]

**Appliance terminals with mounting hole and base rail
for high-temperature applications up to min. 250 °C (ambient)**

appliance TERMINALS

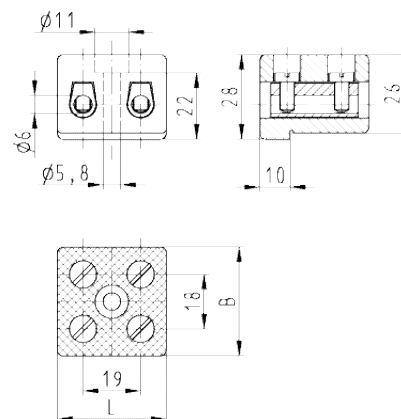
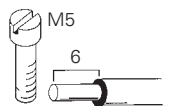
Conductor cross section 16 mm²
fine-stranded / solid

400 V/ 6 kV/ 3

Insulated housing	glazed porcelain
Clamping body	nickel-plated brass
Screw	steel, zinc-plated and passivated

* Continuous operation temperature:
min. 250 °C
(i.e. tested up to 250 °C,
higher temperatures on request)

Rated current (EN 60947-7-1):
76 A for 16 mm² conductor

16 mm²

Type 1027

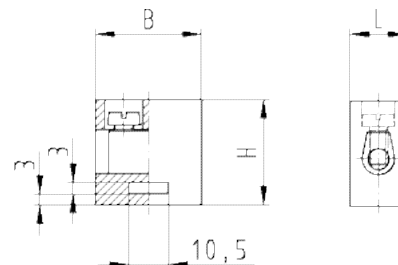
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for applications up to 70 °C (ambient temperature)*

appliance TERMINALS

Max. conductor cross sections (solid)
 4 mm² for types 1038 A DS
 6 mm² for types 1038 A and 1038 B DS
 10 mm² for types 1038 B and 1038 C DS
 16 mm² for types 1038 C

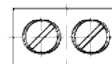
250 V/4 kV/3 for types 1038 A and 1038 B
400 V/6 kV/3 for types 1038 A DS and 1038 B DS
400 V/6 kV/3 for types 1038 C and 1038 C DS
Rated voltages for pollution degree 3 available on request



Insulated housing	unglazed steatite
Clamping body	nickel-plated brass
Screw	steel, zinc-plated and passivated

M3 - M5

6



24 A for	2.5 mm ² conductor
32 A for	4.0 mm ² conductor
41 A for	6.0 mm ² conductor
57 A for	10.0 mm ² conductor
76 A for	16.0 mm ² conductor

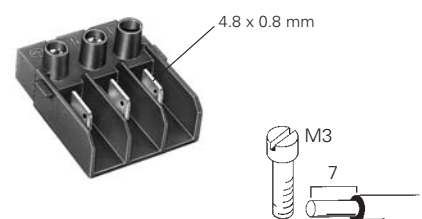
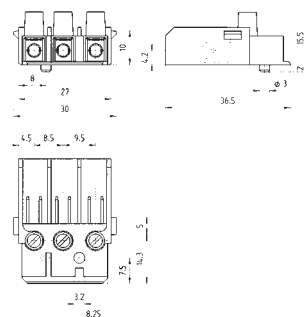
M3 - M5

6

Technical drawing of a 3D-printed part, showing a dimension of 15.

appliance

appliance TERMINALS



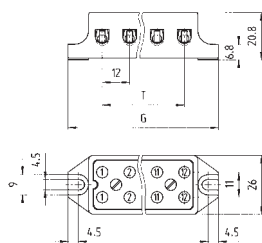
3pole

*** / 2 x (4.8 x 0.8 mm)
No. 22 - 12 AWG
No. 22 - 14 AWG



Terminal box, type *KBD*

Insulating part: melamine type 150, tracking resistant clamping body and cover mounting screws: nickel-plated brass clamping screws: steel, zinc-plated and dichromated wire protection: phosphor bronze

$$T = (\text{Number of poles} - 1) \times 12$$
$$G = T + 30$$


with wire protection up to 2.5 mm²/fine-stranded

Approvals

1402

Distribution terminal strips for plug and screw connections, type KL 17 N

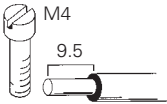
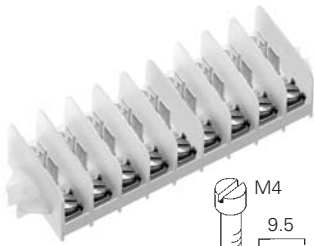
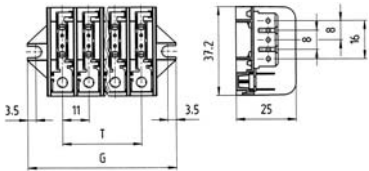
Material:

Insulating part: Polyamide 66 ivory
Permanent temperature 100 °C
Permanent temperature 125 °C according to UL 746 B
(All indicated temperatures include the power load caused by the operation)

Tracking resistance according to DIN IEC 112. CTI > 600
Hardness test at 125 °C
Glow-wire test with 850 °C
Tracking test PTI 600

– with insulating spacer 400 V

** 24 A screw clamp terminal with 2.5 mm² conductor
12 A tab connector with 1.5 mm² conductor



Distribution terminal strip Type KL 17 N/*.../

for plug connections

* indicate the number of poles, e.g. KL 17 N/5/
AC 230/400 V/2; **A;
1 – 2.5 mm²/5x (6.3 x 0.8 mm)

Distribution terminal strip Type KL 17 N/*.../K

for plug and screw connections

* indicate the number of poles, e.g. KL 17 N/5/K
AC 230/400 V/2; **A;
1 – 2.5 mm²/5x (6.3 x 0.8 mm)
with clamping spring and screw M4 x 8 DIN 85

EN 60998-1/-2-1; EN 61210 (fixed position)

Approvals:



	Poles	G	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
5 tab connectors 6.3 x 0.8 mm	1	29.8		29.608.0153.0	120		29.608.3153.0	120
tin-plated steel	2	40.8		29.608.0253.0	80		29.608.3253.0	80
	3	51.8		29.608.0353.0	60		29.608.3353.0	60
	4	62.8		29.608.0453.0	40		29.608.3453.0	40
	5	73.8		29.608.0553.0	40		29.608.3553.0	40
	6	84.8		29.608.0653.0	30		29.608.3653.0	30
	7	95.8		29.608.0753.0	30		29.608.3753.0	30
	8	106.8		29.608.0853.0	20		29.608.3853.0	20
	9	117.8		29.608.0953.0	20		29.608.3953.0	20
	10	128.8		29.608.1053.0	20		29.608.4053.0	20
	11	139.8		29.608.1153.0	20		29.608.4153.0	20
	12	150.8		29.608.1253.0	20		29.608.4253.0	20
	13	161.8		29.608.1353.0	10		29.608.4353.0	10
	14	172.8		29.608.1453.0	10		29.608.4453.0	10
	15	183.8		29.608.1553.0	10		29.608.4553.0	10
	16	194.8		29.608.1653.0	10		29.608.4653.0	10
	17	205.8		29.608.1753.0	10		29.608.4753.0	10
	18	216.8		29.608.1853.0	10		29.608.4853.0	10
	19	227.8		29.608.1953.0	10		29.608.4953.0	10
	20	238.8		29.608.2053.0	10		29.608.5053.0	10
	21	249.8		29.608.2153.0	10		29.608.5153.0	10
	22	260.8		29.608.2253.0	10		29.608.5253.0	10
	23	271.8		29.608.2353.0	10		29.608.5353.0	10
	24	282.8		29.608.2453.0	10		29.608.5453.0	10
Accessories								
Insulating spacer: cardboard 2061,								
1 to				07.450.0187.0	100		07.450.0187.0	100
24pole				07.450.2487.0	100		07.450.2487.0	100
Marking plate: PVC								
1 to				07.451.0180.0	100		07.451.0180.0	100
24pole				07.451.2480.0	100		07.451.2480.0	100

Mains connectors for appliance wiring 3, 5 and 6 pole with screw connection, type **KL 58 1/5 A**

appliance TERMINALS

Material:

Insulating housing: Polyamide, fiberglass reinforced
Clamping body: tin-plated steel
Clamping screws and clamping spring:
zinc-plated steel
Selectable connecting link E-Cu

Ambient temperature:

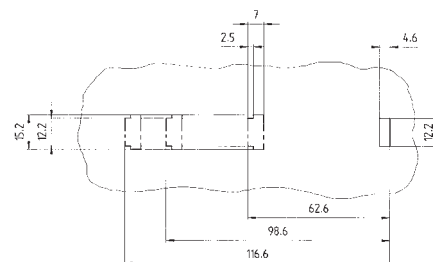
T 160 ... – 5 °C

Insulating part:

Hardness test at 210 °C
Glow-wire test with 850 °C
Tracking test PTI 400

Air and creepage distances according to
DIN EN 60335-1/VDE 0700 part 1

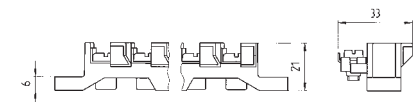
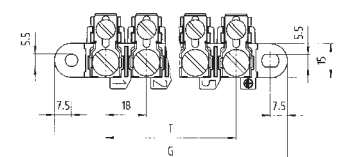
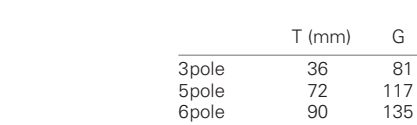
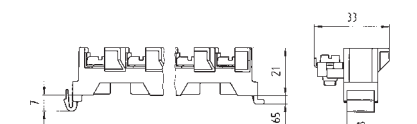
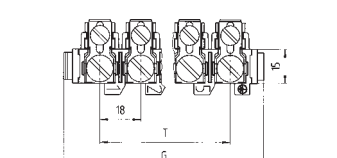
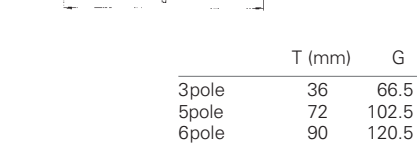
VDE with Statement of Conformity



Cut-out 3, 5, 6pole for
*) "trigger action foot versions"
Metal sheet 1.5 mm thick

EN 60998-1-2-1; EN 61210; (fixed position)
UL ratings field/factory wiring
CSA ratings
Approvals

AC 400 V; 41 A; 1.5 – 6 mm²
250 V; 40 A; No. 8 - 14/10 AWG
300 V Gr.B/150 V Gr.C; 40 A; No. 8/10 AWG
UL, VDE, FI, KEWA, S, UL, CE

	Poles	Type	Part No.	Std. Pack	
	3	KL 58/3/1	29.130.1353.0	200	
	5	KL 58/5/1	29.130.1553.0	100	
		3 links used as a bridge between poles 3 and 4			
	6	KL 58/6/1	29.130.1653.0	100	
		3 links used as a bridge between poles 4 and 5			
	3	KL 58/3 R/1*	29.130.2353.0	200	
	5	KL 58/5 R/1*	29.130.2553.0	100	
		3 links used as a bridge between poles 3 and 4			
	6	KL 58/6 R/1*	29.130.2653.0	100	
		3 links used as a bridge between poles 4 and 5			

Ferrules with insulating sleeves for 0.5 to 25 mm² conductors

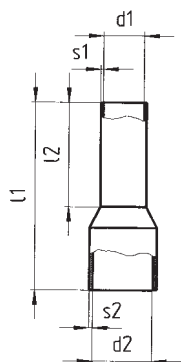
Materials:

Sleeve:

- Polypropylene,
temperature resistant
up to 105 °C,
tracking resistant

Tube:

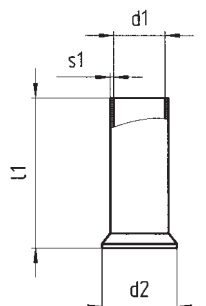
E-Cu, galvanically tin-plated



Cross section mm ²	Color	Part No.	Std. Pack	s ₂	d ₂	l ₁	l ₂	d ₁	s ₁	
according to DIN 46 228 T4										
0.50	norm.	white	06.600.2027.0	100	0.25	2.6	14	8	1.0	0.15
0.75	norm.	gray	06.600.2127.0	100	0.25	2.8	14	8	1.2	0.15
1.00	norm.	red	06.600.2227.0	100	0.25	3.0	14	8	1.4	0.15
1.50	norm.	black	06.600.2327.0	100	0.25	3.5	14	8	1.7	0.15
1.50	long	black	06.600.2427.0	100	0.25	3.5	24	18	1.7	0.15
2.50	norm.	blue	06.600.2527.0	100	0.25	4.2	14	8	2.2	0.15
2.50	long	blue	06.600.2627.0	100	0.25	4.2	24	18	2.2	0.15
4.00	norm.	gray	06.600.2727.0	100	0.30	4.8	17	10	2.8	0.20
4.00	long	gray	06.600.2827.0	100	0.30	4.8	26	18	2.8	0.20
6.00	norm.	yellow	06.600.2927.0	100	0.30	6.3	20	12	3.5	0.20
6.00	long	yellow	06.600.3027.0	100	0.30	6.3	26	18	3.5	0.20
10.00	norm.	red	06.600.3127.0	100	0.40	7.6	22	12	4.5	0.20
10.00	long	red	06.600.3227.0	100	0.40	7.6	28	18	4.5	0.20
16.00	norm.	blue	06.600.3327.0	100	0.40	8.8	24	12	5.8	0.20
16.00	long	blue	06.600.3427.0	100	0.40	8.8	28	18	5.8	0.20
25.00	half long	yellow	06.600.3527.0	50	0.40	11.2	30	18	7.3	0.20

Ferrules without insulating sleeves for 0.5 to 16 mm² conductors

Material: E-Cu, galvanically tin-plated



according to DIN 46 228 T1

0.50	norm.	06.600.4027.0	1000	2.1	6	1.0	0.15	
0.75	norm.	06.600.4127.0	1000	2.3	6	1.2	0.15	
1.00	norm.	06.600.4227.0	1000	2.5	6	1.4	0.15	
1.50	norm.	06.600.4327.0	1000	2.8	7	1.7	0.15	
2.50	norm.	06.600.4427.0	1000	3.4	7	2.2	0.15	
4.00	norm.	06.600.4527.0	1000	4.0	9	2.8	0.20	
6.00	norm.	06.600.4627.0	500	4.7	10	3.5	0.20	
10.00	norm.	06.600.4727.0	500	5.8	12	4.5	0.20	
16.00	norm.	06.600.4827.0	100	7.5	12	5.8	0.20	
25.00	norm.	06.600.4927.0	100	9.5	15	7.3	0.20	
35.00	norm.	06.600.5027.0	100	11.0	18	8.3	0.20	

Accessories
Ferrules

appliance

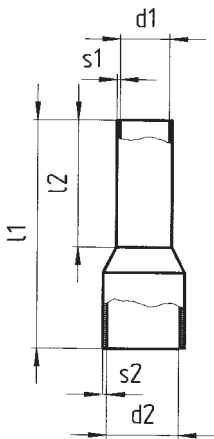
Ferrules with insulating sleeves
for 0.36 to 25 mm² conductors

Materials:
Sleeve:
– Rilsan,
temperature resistant up to 130 °C,
tracking resistant

Tube:
E-Cu, galvanically tin-plated

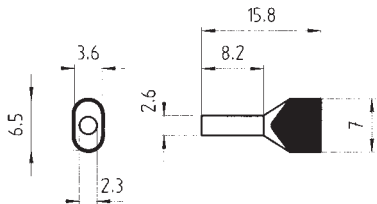


Cross section mm ²	Color	Part No.	Std. Pack	s ₂	d ₂	l ₁	l ₂	d ₁	s ₁	
2.08	yellow	05.596.6127.0	1000	0.25	3.7	14.5	8.2	2.0	0.175	



Cross section mm ²	Type	Part No.	Std. Pack		
2 x 15	AEI 1.5 Z-N	05.599.2027.0	500		

Twin ferrules with insulating sleeves





Modular kit for crimp contacts

For contact crimping we provide crimping tools in a modular system:
This crimping tool system consists of the basic crimping tool and case. Additionally, you can select the crimping dies and contact positioners for your required contact type. The crimping dies and the contact positioner are easily inserted in the tool and exchanged.
You will require only one crimping tool for several contact types as you can use it with the corresponding crimping dies and contact positioners.



Crimping tool

for ferrules
0.08 – 10 mm² AWG 28 – 7



Crimping tool

fpr ferrules
10 – 25 mm² AWG 7 – 4

Total length:	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack		
203 mm	95.101.0800.0	1	total length: 180 mm	95.101.1300.0	1	total length: 203 mm	95.101.1100.0	1
• parallel crimping • releasable latch • toggle ratio			• square crimping • releasable latch		• parallel crimping • releasable latch • toggle ratio • adjustable compression			
Crimp contacts, turned, Ø3.6 for revos 4 – 10 mm²								
Crimping die D	05.502.2300.0	1						
Contact positioner 1	05.502.3100.0	1						
Crimp contacts, punched, Ø2.5 for revos 0.5 – 2.5 mm²								
Crimping die C	05.502.2200.0	1						
Contact positioner 2	05.502.3200.0	1						
Crimp contacts, turned, Ø2.5 for revos 0.5 – 4 mm²								
Crimping die B	05.502.2100.0	1						
Contact positioner 1	05.502.3100.0	1						
Crimp contacts, turned, Ø1.6 for revos 0.14 – 2.5 mm²								
Crimping die B	05.502.2100.0	1						
Contact positioner 1	05.502.3100.0	1						
Crimp contacts, punched, Ø1 for revos 0.09 – 0.5 mm²								
Crimping die A	05.502.2000.0	1						
No contact positioner required								
Crimp contacts, turned, for 400 V – 690 V series 0.5 – 4 mm²								
Crimping die B	05.502.2100.0	1						
Contact positioner 3	05.502.3300.0	1						
Crimp contacts, punched, for multi-pole connectors 0.2 – 1.5 mm²								
Crimping die E	05.502.2400.0	1						
Contact positioner 2	05.502.3200.0	1						



Crimping tool

for ferrules
35 – 50 mm²

AWG 2 – 1/0



Stripping tool

0.08 – 10 mm²

AWG 28 – 7



Screwdriver

for terminal points in spring clamp technology

Crimping tool			Stripping tool			Screwdriver																	
Part No.			Std. Pack			Part No.			Std. Pack														
total length: 203 mm			95.101.1200.0			1			total length: 197 mm			95.350.0100.0			1			06.502.4000.0			5		
• parallel crimping • releasable latch • toggle ratio • adjustable compression						• adjustable length • integrated wire cutter • tool elements made from glass fibre reinforced Polyamide						• blade 0.6 x 3.5 according to DIN 5264 B • for WKF DIN rail spring clamp terminal blocks • for industrial multipole connectors with spring clamp connection • ergonomically shaped handle											