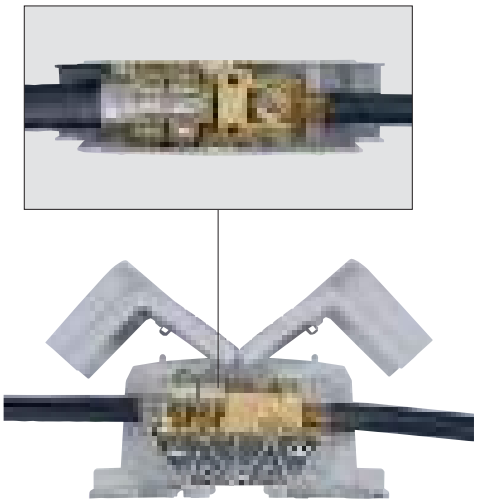
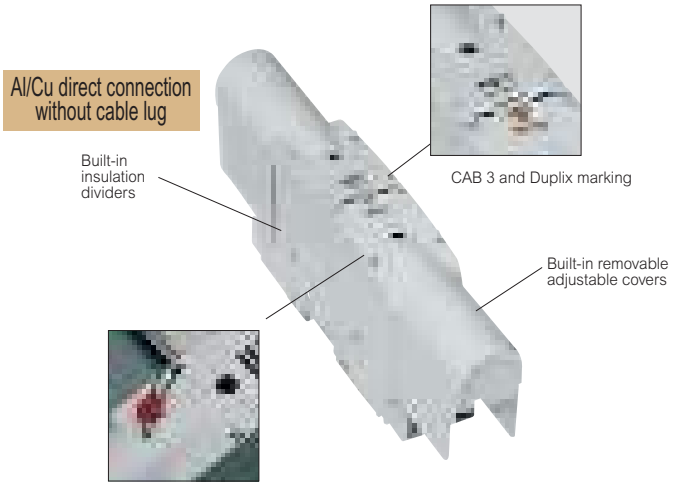
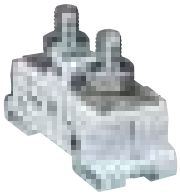
Viking™ 3 power terminal blocks



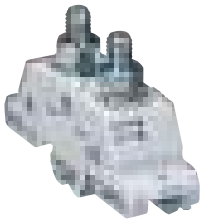
0 390 11 (interior view with covers cut away)



Possibility of sealing



0 390 72



0 390 31

Approvals **p. 919**

Bridging the gap between the enclosure and external cables

Insulated aluminium/copper power terminal blocks

For aluminium/copper cables, copper bars or cable lugs (see selection chart p. 339)
Direct connection of cable
Insulation and protection against direct contact without additional accessories (built-in dividers and covers)
Pre-cut removable covers for adjustment to the various connection modes
Fixed using metal clip for rails ⊔ 15 mm depth and ⊔ EN 60715 15 mm depth, or on plate with screws
Permits the use of Cab 3, Duplix markers
Test via test plug closed covers
Blocks with identical pitch can be joined using a threaded rod
Shunting possible with Cat.Nos 0 394 46/47

Cable - cable

Pack	Cat.Nos	Rigid or flexible cable (mm²)	Rigid or flexible cable (mm²)	Pitch (mm)
5	0 390 10	Al/Cu 35 to 120	Cu 35 to 70	42
5	0 390 11	Al/Cu 70 to 300	Cu 70 to 150	55

Cable lug - cable lug

Pack	Cat.Nos	Max. connection (mm²)	Max. connection (mm²)	Pitch (mm)
5	0 390 13	Al/Cu 95	Al/Cu 95	36
5	0 390 14	Al/Cu 150	Al/Cu 150	42
5	0 390 15	Al/Cu 300	Al/Cu 300	55

Cable lug - cable

Pack	Cat.Nos	Max. connection (mm²)	Rigid or flexible cable (mm²)	Pitch (mm)
5	0 390 17	Al/Cu 150	Cu 35 to 95	42
5	0 390 18	Al/Cu 300	Cu 70 to 150	55

Cable - cable lug

Pack	Cat.Nos	Rigid or flexible cable (mm²)	Max. connection (mm²)	Pitch (mm)
5	0 390 20	Al/Cu 35 to 120	Al/Cu 120	42
5	0 390 21	Al/Cu 70 to 300	Al/Cu 300	55

Equipotential bonding shunts

For insulated aluminium/copper power terminal blocks
Supplied with screws

Pack	Cat.Nos	
5	0 394 46	For blocks with pitch 36 and 42 mm
5	0 394 47	For blocks with pitch 55 mm

Bare power terminal blocks

For copper bars or cable lugs
Insulation dividers and protective covers to be ordered separately
For use with terminal marker sheets (p. 342)

Cable lug - cable lug for symmetrical rails

Fixed using metal clip on rails ⊔ 15 mm depth and ⊔ EN 60715 15 mm depth

Pack	Cat.Nos	Connecting max. (mm²)	Pitch (mm)
5	0 390 71	35	26
5	0 390 72	70	34
5	0 390 73	120	34
5	0 390 74	240	46

Cable lug - cable lug for asymmetrical rails

Fixed using metal clip on rails ⊏ EN 60715

Pack	Cat.Nos		
5	0 390 31	35	26
5	0 390 32	70	34
5	0 390 33	120	34
5	0 390 34	240	46

Insulation and protection accessories

For bare power terminal blocks

Separation barriers

Take protective covers
Marking possible with CAB 3 (p. 342)

Pack	Cat.Nos	
10	0 394 77	For blocks with pitch 26 mm
10	0 394 78	For blocks with pitch 34 and 46 mm

Protective covers

For mounting on separation barriers

Pack	Cat.Nos	
5	0 394 86	For 3 blocks with pitch 46 mm or for 4 blocks with pitch 34 mm
5	0 394 88	For 4 blocks with pitch 26 mm
5	0 394 89	For 4 blocks with pitch 46 mm

End stops
p. 332

Al/Cu distribution boxes
p. 203

CAB 3 marking system
p. 342

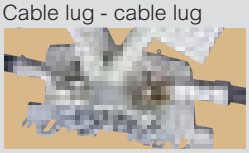
Viking™ 3 power terminal blocks

Selection chart

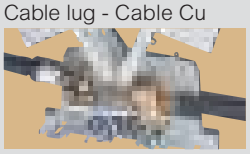
Input	Output: Al bare cable	Output: Cu bare cable	Output: Cu cable lug Al-Cu cable lug Cu bar
Al bare cable	2 shunted blocks: 2x 0 390 10 2x 0 390 11 2x 0 390 20 2x 0 390 21	0 390 10/11	0 390 20/21
Cu bare cable	0 390 10/11	0 390 10/11	0 390 17/18/20/21
Cu cable lug Al-Cu cable lug Cu bar	0 390 20/21	0 390 17/18 0 390 20/21	0 390 13/14/15

Cat.Nos 0 390 10/11
Cable Al/Cu - Cable Cu

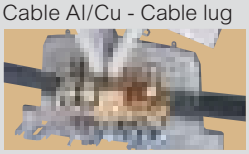
Cat.Nos 0 390 13/14/15
Cable lug - cable lug



Cat.Nos 0 390 17/18
Cable lug - Cable Cu



Cat.Nos 0 390 20/21
Cable Al/Cu - Cable lug



Characteristics of insulated Al/Cu terminal blocks

Conform to IEC EN 60947-7-1, UL 1059, UL 486 E and CSA C 22-2 n° 158
Insulation voltage Ui: 1000 V AC-DC
Impulse voltage Uimp: 12 kV
Overvoltage category: 4
Use in pollution atmosphere 3
Fire resistance:
- 960 °C (except cover) acc. to IEC EN 60695-2-11
- V2 according to UL 94
Insulating material:
- polyamide body - 30 °C to + 100 °C
- polypropylene cover -25 °C to + 100 °C
IK 04

Block only

Cat.Nos	Current (A) Copper - Copper IEC	Current (A) Copper - Copper UL	Current (A) Copper - Copper CSA	Current (A) Al-Al / Al-Cu / Cu-Al	Icw (ka)	Terminal width (mm)	Ø screw	Tightening torque (Nm)
0 390 10	250	200	175	250	8,4	-	-	15
0 390 11	400	300	285	400	18	-	-	35
0 390 13	310	250	230	220	11,4	28	M 8	15
0 390 14	415	340	285	300	18	34	M 10	15
0 390 15	670	520	420	480	36	46	M 12	35
0 390 17	315	210	230	315	11,4	34	M 10	15
0 390 18	420	325	285	420	18	46	M 12	35
0 390 20	340	235	255	250	8,4	34	M 10	15
0 390 21	570	375	420	400	18	46	M 12	35

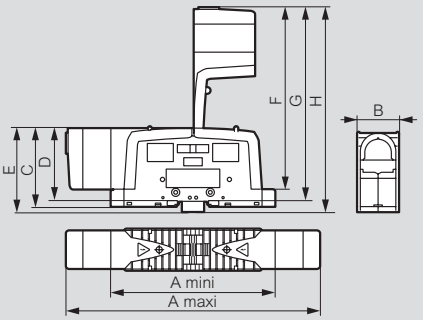
Shunted block

Block + shunt Cat.Nos	Current (A) Copper - Copper IEC	Current (A) Al-Al / Al-Cu / Cu-Al	Icw (ka)	Shunt tightening torque (Nm)
0 390 10 + 0 394 46 + 0 390 10	340	250	14,4	6
0 390 11 + 0 394 47 + 0 390 11	570	400	36	10
0 390 13 + 0 394 46 + 0 390 13	310	220	11,4	6
0 390 14 + 0 394 46 + 0 390 14	415	300	18	6
0 390 15 + 0 394 47 + 0 390 15	670	480	36	10
0 390 17 + 0 394 46 + 0 390 17	415	315	18	6
0 390 18 + 0 394 47 + 0 390 18	670	420	36	10
0 390 20 + 0 394 46 + 0 390 20	340	250	14,4	6
0 390 21 + 0 394 47 + 0 390 21	570	400	36	10

AWG cable cross-sections

mm²	35	70	95	120	150	185	300
AWG	2	00	0000	250	300	350	600

Dimensions (mm)



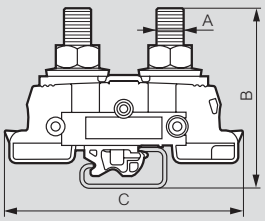
Cat.Nos	A max	A mini	B	C	D	E	F	G	H
0 390 13	227	155	36	82	73	88	176	185	191
0 390 10/14/17/20	296	200	42	83.5	74.5	89.5	212	221	227
0 390 11/15/18/21	337	216	55	107.3	98.5	113.5	257	266	272

Characteristics of bare terminal blocks

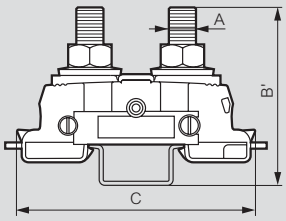
Conform to IEC EN 60947-7-1
Insulation voltage Ui: 1000 V AC-DC
Fire resistance:
- 960 °C acc. to IEC EN 60695-2-11
- V2 according to UL 94
Insulating material: polyamide - 30 °C to + 100 °C

Cat.Nos	Current (A) Copper - Copper IEC	Icw (kA)	Terminal width (mm)	Ø screw	Tightening torque (Nm)
0 390 31/71	125	4.2	15	M 8	10
0 390 32/72	192	8.4	20	M 10	20
0 390 33/73	269	14.4	25	M 10	20
0 390 34/74	415	28.8	35	M 12	40

Dimensions (mm)



Cat.Nos 0 390 31/32/33/34

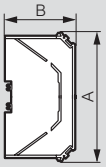


Cat.Nos 0 390 71/72/73/74

Cat.Nos	A	B
0 390 31/71	56	84
0 390 32/72	61	84
0 390 33/73	61	84
0 390 34/74	64	86

Cat.Nos	Separation and insulation divider	Protective cover 4 blocks	Protective cover 3 blocks
0 390 31/71	0 394 77	0 394 88	-
0 390 32/72	0 394 78	0 394 86	-
0 390 33/73	0 394 78	0 394 86	-
0 390 34/74	0 394 78	0 394 89	0 394 86

Separation barriers dimensions (mm)



Cat.Nos 0 394 77/78

Cat.Nos	A	B	th.
0 394 77	106	82	8
0 394 78	188	102	12