

Viking 3 heavy duty terminal blocks

■ Characteristics of heavy duty terminal blocks for copper and aluminium cables

IK 04
 Conform to IEC 60947-7-1, EN 60947-7-1
 UL 1059 and 486 E - CSA 22-2
 Fire resistant IEC 60695-2-11 : 960 °C (except cover)
 V2 according to UL 94
 Insulation voltage U_i : 1000 V
 Impulse voltage U_{imp} : 12 kV
 Insulating material :
 - polyamide body -30 °C to +100 °C
 - polypropylene cover -25 °C to +100 °C

Connection table

Cat. Nos.	Connection (mm²)	Width of plate (mm)	Screw Ø	Connection (mm²)	Width of plate (mm)	Screw Ø	Width (mm)
Cable - Cable							
0390 10	Rigid or flexible Cu/Al: 35 to 120	—	—	Rigid or flexible Cu: 35 to 70	—	—	42
0390 11	Rigid or flexible Cu/Al: 70 to 300	—	—	Rigid or flexible Cu: 70 to 150	—	—	55
Cable lug - Cable lug							
0390 13	Cu/Al: max. 95	28	M 8	Cu/Al: max. 95	28	M 8	36
0390 14	Cu/Al: max. 150	34	M 10	Cu/Al: max. 150	34	M 10	42
0390 15	Cu/Al: max. 300	46	M 12	Cu/Al: max. 300	46	M 12	55
Cable lug - Cable							
0390 17	Cu/Al: max. 150	34	M 10	Rigid or flexible Cu: 35 to 95	—	—	42
0390 18	Cu/Al: max. 300	46	M 12	Rigid or flexible Cu: 70 to 150	—	—	55

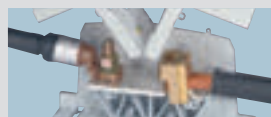
Cable - Cable



Cable lug - Cable lug



Cable lug - Cable



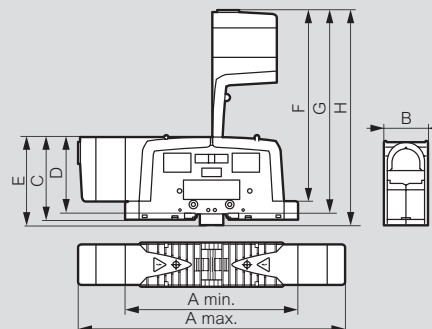
Currents table

Cat. Nos.	Current (A)				Short-circuit current (kA)		Tightening torque (Nm)		Width (mm)
	Shunted input IEC	I/O currents			Shunted input	I/O	Site	Factory	
		IEC	CSA	UL					
Cable - Cable 									
0390 10	340	250	200	170	14.4	8.4	15	15	42
0390 11	570	400	300	285	36	18	35	35	55
Terminal for cable lug - Terminal for cable lug 									
0390 13	310	310	250	230	11.4	11.4	15	15	36
0390 14	415	415	340	285	18	18	15	15	42
0390 15	670	670	520	420	36	36	35	35	55
Terminal for cable lug - Cable 									
0390 17	415	315	210	230	18	11.4	15	15	42
0390 18	670	420	325	285	36	18	35	35	55
Shunts									
0394 46	450 max.	—	—	—	—	—	6	—	—
0394 47	700 max.	—	—	—	—	—	10	—	—

Cable section equivalence table

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

Dimensions (mm)



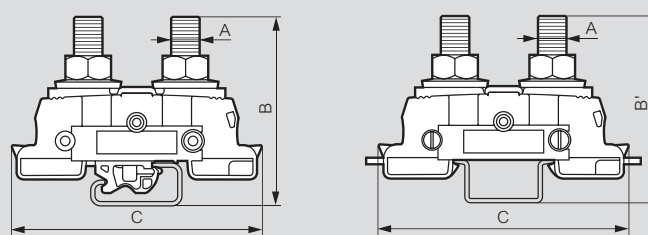
Cat. Nos.	A max.	A min.	B	C	D	E	F	G	H
0390 13	227	155	36	82	73	88	176	185	191
0390 10/14/17	296	200	42	83.5	74.5	89.5	212	221	227
0390 11/15/18	337	216	55	107.3	98.5	113.5	257	266	272

■ Characteristics of heavy duty plate terminal blocks for copper bars or cable lugs

Cat. Nos.	Voltage (V) IEC	Intensity (A) IEC
0390 31/71	1000	125
0390 32/72	1000	192
0390 33/73	1000	269
0390 34/74	1000	415

IEC EN 60947-7-1
 Fire resistance :
 960 °C, IEC EN 60695-2-11
 V2 according to UL 94
 Insulating material :
 polyamide -30 °C to +100 °C

Dimensions (mm)



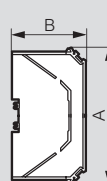
Cat. Nos. 0390 31/32/33/34

Cat. Nos. 0390 71/72/73/74

Cat. Nos.	A	B	B'	C
0390 31	M 8	56		84
0390 32	M 10	61		84
0390 33 ¹	M 10	61		84
0390 34 ²	M 12	64		86
0390 71	M 8		55.3	84
0390 72	M 10		60.4	84
0390 73	M 10		60.4	84
0390 74	M 12		63.5	86

■ Separation barriers

Dimensions (mm)



Cat. Nos. 0394 77/78

Cat. Nos.	A	B	Thickness
0394 77	106	82	8
0394 78	188	102	12

1 : Previously M 12 + block length 78.5 mm
 2 : Previously M 16 + block length 94 mm