

Ensto Clampo Ground N and PE terminals

Ensto Clampo Ground, neutral busbars

PRODUCT CODE	CONDUCTOR CROSS-SECTION (MM ²)	NOMINAL CURRENT (A)	NOMINAL INSULATION VOLTAGE (V)	OPERATING TEMPERATURE (°C)	SCREW HEAD	TIGHTENING TORQUE (Nm)	MOUNTING	WEIGHT (KG)	PACKAGE SIZE (PCS)	EAN 13 CODE
N busbars with 16 mm² and 6 mm² pillar terminals										
KNA4.104	Cu 2 x (1 x 16 mm ² + 3 x 6 mm ²)	82 A	500 V	Max. 80 °C	+/-	2 Nm/0.8 Nm	DIN rail/screw	0.063	50	6418677162770
KNA4.106	Cu 2 x (1 x 16 mm ² + 5 x 6 mm ²)	82 A	500 V	Max. 80 °C	+/-	2 Nm/0.8 Nm	DIN rail/screw	0.085	50	6418677162787
KNA4.108	Cu 2 x (1 x 16 mm ² + 7 x 6 mm ²)	82 A	500 V	Max. 80 °C	+/-	2 Nm/0.8 Nm	DIN rail/screw	0.104	25	6418677162794
KNA4.110	Cu 2 x (2 x 16 mm ² + 8 x 6 mm ²)	82 A	500 V	Max. 80 °C	+/-	2 Nm/0.8 Nm	DIN rail/screw	0.130	25	6418677162817
KNA4.112	Cu 2 x (2 x 16 mm ² + 10 x 6 mm ²)	82 A	500 V	Max. 80 °C	+/-	2 Nm/0.8 Nm	DIN rail/screw	0.153	25	6418677162824
KNA4.114	Cu 2 x (3 x 16 mm ² + 11 x 6 mm ²)	82 A	500 V	Max. 80 °C	+/-	2 Nm/0.8 Nm	DIN rail/screw	0.178	25	6418677162831
KNA4.120	Cu 2 x (4 x 16 mm ² + 16 x 6 mm ²)	82 A	500 V	Max. 80 °C	+/-	2 Nm/0.8 Nm	DIN rail/screw	0.243	25	6418677162848
N busbars with 16 mm² pillar terminals										
KN4.102	Cu 2 x (2 x 16 mm ²)	82 A	500 V	Max. 80 °C	+/-	2 Nm/0.8 Nm	DIN rail/screw	0.052	100	6418677152849
KN4.104	Cu 2 x (4 x 16 mm ²)	82 A	500 V	Max. 80 °C	+/-	2 Nm/0.8 Nm	DIN rail/screw	0.088	50	6418677152856
KN4.106	Cu 2 x (6 x 16 mm ²)	82 A	500 V	Max. 80 °C	+/-	2 Nm/0.8 Nm	DIN rail/screw	0.122	50	6418677152863
KN4.108	Cu 2 x (8 x 16 mm ²)	82 A	500 V	Max. 80 °C	+/-	2 Nm/0.8 Nm	DIN rail/screw	0.162	25	6418677152870
KN4.110	Cu 2 x (10 x 16 mm ²)	82 A	500 V	Max. 80 °C	+/-	2 Nm/0.8 Nm	DIN rail/screw	0.198	25	6418677152887
KN4.112	Cu 2 x (12 x 16 mm ²)	82 A	500 V	Max. 80 °C	+/-	2 Nm/0.8 Nm	DIN rail/screw	0.230	25	6418677152894
N busbars with 35 mm² pillar terminals										
KND4.103N	Cu 2 x (3 x 35 mm ²)	135 A	500 V	Max. 80 °C	PH2	4 Nm	DIN rail/screw	0.127	50	6418677162855

Pollution degree: 3

The nominal currents in the table are for maximum cross-sections.



KNA4.110



KN4.106



KND4.103N

Ensto Clampo Ground, PE busbars

PRODUCT CODE	CONDUCTOR CROSS-SECTION (MM ²)	OPERATING TEMPERATURE (°C)	SCREW HEAD	TIGHTENING TORQUE (Nm)	MOUNTING	WEIGHT (KG)	PACKAGE SIZE (PCS)	EAN 13 CODE
PE busbars with 16 mm² and 6 mm² pillar terminals								
KNA4.104P	Cu 2 x (1 x 16 mm ² + 3 x 6 mm ²)	Max. 80 °C	+/-	2 Nm/0.8 Nm	DIN rail/screw	0.063	50	6418677152900
KNA4.106P	Cu 2 x (1 x 16 mm ² + 5 x 6 mm ²)	Max. 80 °C	+/-	2 Nm/0.8 Nm	DIN rail/screw	0.085	50	6418677152917
KNA4.108P	Cu 2 x (1 x 16 mm ² + 7 x 6 mm ²)	Max. 80 °C	+/-	2 Nm/0.8 Nm	DIN rail/screw	0.104	25	6418677152924
KNA4.110P	Cu 2 x (2 x 16 mm ² + 8 x 6 mm ²)	Max. 80 °C	+/-	2 Nm/0.8 Nm	DIN rail/screw	0.130	25	6418677152931
KNA4.112P	Cu 2 x (2 x 16 mm ² + 10 x 6 mm ²)	Max. 80 °C	+/-	2 Nm/0.8 Nm	DIN rail/screw	0.153	25	6418677152948
KNA4.114P	Cu 2 x (3 x 16 mm ² + 11 x 6 mm ²)	Max. 80 °C	+/-	2 Nm/0.8 Nm	DIN rail/screw	0.178	25	6418677152955
KNA4.120P	Cu 2 x (4 x 16 mm ² + 16 x 6 mm ²)	Max. 80 °C	+/-	2 Nm/0.8 Nm	DIN rail/screw	0.243	25	6418677152962
PE busbars with 35 mm² pillar terminals								
KND4.103P	Cu 2 x (3 x 35 mm ²)	Max. 80 °C	PH2	4 Nm	DIN rail/screw	0.127	50	6418677152979

The nominal currents in the table are for maximum cross-sections.



KNA4.110P

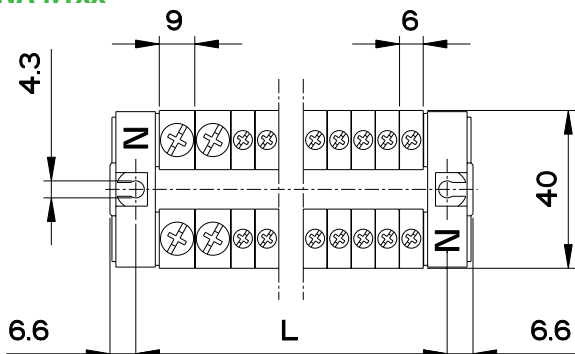


KND4.103P

Technical drawings, Ensto Clampo Ground N and PE terminals

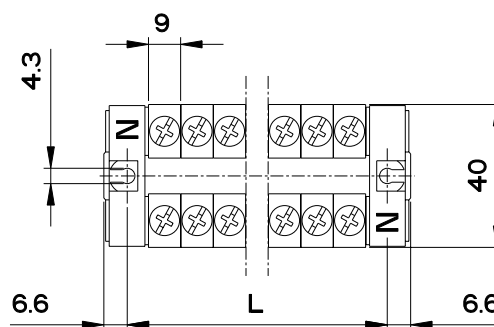
Dimensions in mm

KNA4.1xx



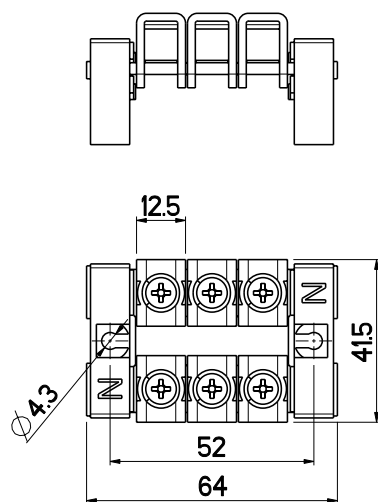
	L
KNA4.104	39.5
KNA4.106	52
KNA4.108	66
KNA4.110	82
KNA4.112	93
KNA4.114	109
KNA4.120	147

KN4.1xx

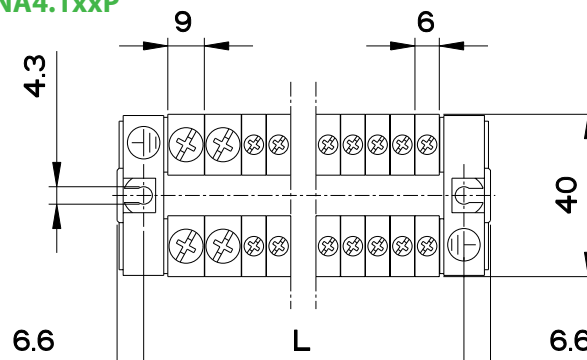


	L
KN4.102	30
KN4.104	48
KN4.106	66
KN4.108	84
KN4.110	102
KN4.112	120

KND4.103N

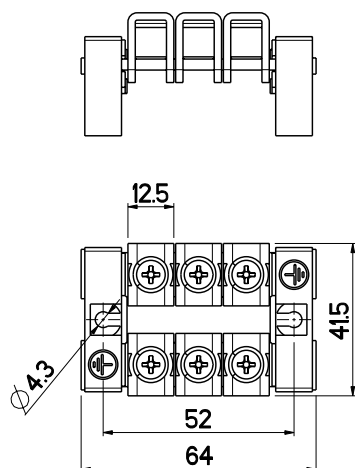


KNA4.1xxP

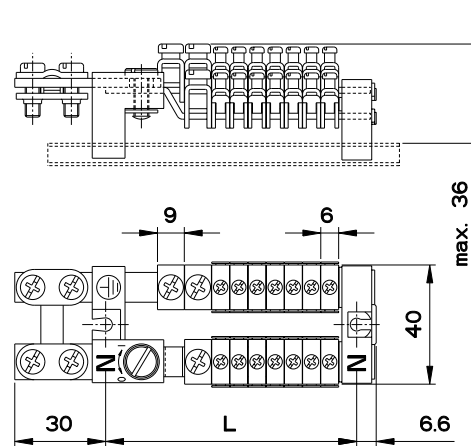


	L
KNA4.104P	39.5
KNA4.106P	52
KNA4.108P	66
KNA4.110P	82
KNA4.112P	93
KNA4.114P	109
KNA4.120P	147

KND4.103P



KNA5.1xx



	L
KNA5.108	93
KNA5.113	115.5
KNA5.117	140
KNA5.120	158.5
KNA5.125	204
KNA5.130	234.5
KNA5.134	259
KNA5.138	283.5

Ensto Clampo conductor table 2/2

Conductors that can be used with the terminals: number, cross-section and type.

- Nominal cross-sections are in bold type.
- Often the requirements of a specific apparatus restrict the number of conductors.
- Usually a maximum of three adjacent cross-sections in one space.
- The nominal current of the terminal must not be exceeded.
- In general, the conductors connected to one conductor space of a connector must be of the same type.
- Table values require careful installation.
- After installation, check that all conductors are pressed into a connection.
- We recommend a ferrule when using a fine stranded conductor.
- According to installation standard SFS 6000: 1999 section 810.2.6, each incoming and outgoing protection and neutral conductor in a panel must have its own separate terminal.
- The conductor numbers below refer only to industrially installed terminals (internal connections in a panel), (SGS Fimko).

PRODUCT CODE	WIRE TYPE	CROSS-SECTIONS OF CONDUCTORS (MM²) AND NUMBER OF CONDUCTORS/SPACE. THE CONDUCTOR NUMBERS BELOW REFER ONLY TO INDUSTRIALLY INSTALLED TER- MINALS.																NOMI- NAL CURRENT (A)	NOMINAL INSU- LATION VOLTAGE (V)	TIGHTENING TORQUE (Nm)
		1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	300			
Ensto Clampo Tap tapping blocks																				
KE80	Cu					7	7	5	5	3	3	2						270	750	2
KE80.15	Cu	See KE80 and PPK2																270	750	2 / 3
KE81	Cu					7	7	7	7	7	5	4	3	2	2			490	750	9
KE82	Cu							7	6	6	4	4	3	2	2	2		560	750	6
KE82.15	Cu	See KE82 and PSS63																560/353	750	6
Ensto Clampo Tap terminal plates																				
KF11	Cu	7	6	4	3	2												62	500	3.5
KF9	Cu	7	7	6	5	3	2											62	500	4
KF10	Cu		7	7	7	6	3	2										82	500	5
KF10.1	Cu		7	7	7	6	3	2										82	500	5
KF10.3	Cu			4	7	7	4	3	2									107	500	5
KF13	Cu	7	7	6	5	3	2											62	500	4
KF14	Cu		7	7	7	6	3	2										82	500	5
KF14.1	Cu		7	7	7	6	3	2										82	500	5
KF14.3	Cu			4	7	7	4	3	2									107	500	5
KF5.06	Cu	7	6	4	3	2												33	500	3.5
KF5.10	Cu		7	6	5	3	2											62	500	4
KF5.16	Cu		7	7	7	6	3	2										82	500	5
Ensto Clampo Tap tapping terminals																				
KF7.10	Cu		7	6	5	3	2											62	750	2.5
KF7.70	Cu				7	7	6	4	4	2	2	1						192	750	4
KF8.10	Cu		7	6	5	3	2											62	750	2.5
KF8.70	Cu				7	7	6	4	4	2	2	1						192	750	4
KF17	Cu	5	5	4	4	2	1											100	400	2.5
Ensto Clampo Compact terminal blocks																				
KR5031/5121	Cu	1																17,5	450	0.4
KR8031...8121	Cu	3	2	1	1													41	450	0.8
KR10021/10031	Cu				1	1	1											82	500	2.5
KE33	Cu	3	3	3	3	3	2	1	1									135	750	3.5
Ensto Clampo Ground N and PE terminals																				
KNA4.xx	Cu	See KJ25 and KJ18																82	500	0.8 (KJ25)/2 (KJ18)
KN4.102...112	Cu	5	5	4	4	2	1											82	500	2
KNA5.xxx	Cu	See KJ25 and KJ18																82	500	0.8 (KJ25)/2 (KJ18)
KN4.204...212	Cu	5	5	4	4	2	1											76	500	2
KND4.103N and P, NP	Cu		5	5	5	4	2	1	1									135	500	4
KJ7	Cu	3	3	3	3	3	2	1	1									135	500	2.5
KN2.2...8	Cu	5	5	4	3	2	1	1										82		1.2
PPK28	Cu	5	5	4	3	2	1	1										82		
PPK9	Cu	5	5	5	5	4	2	1	1	1								135		
PPK2	Cu		5	5	5	5	5	3	2	1	1	1	1					270		
PSS63	Cu						5	5	4	3	2	2	1	1	1	1		535		
KJ25	Cu	5	3	2	2													33		0.8
KJ18	Cu	5	5	4	4	2	1											82		2
KJ20	Cu		5	5	5	4	2	1	1									135		4