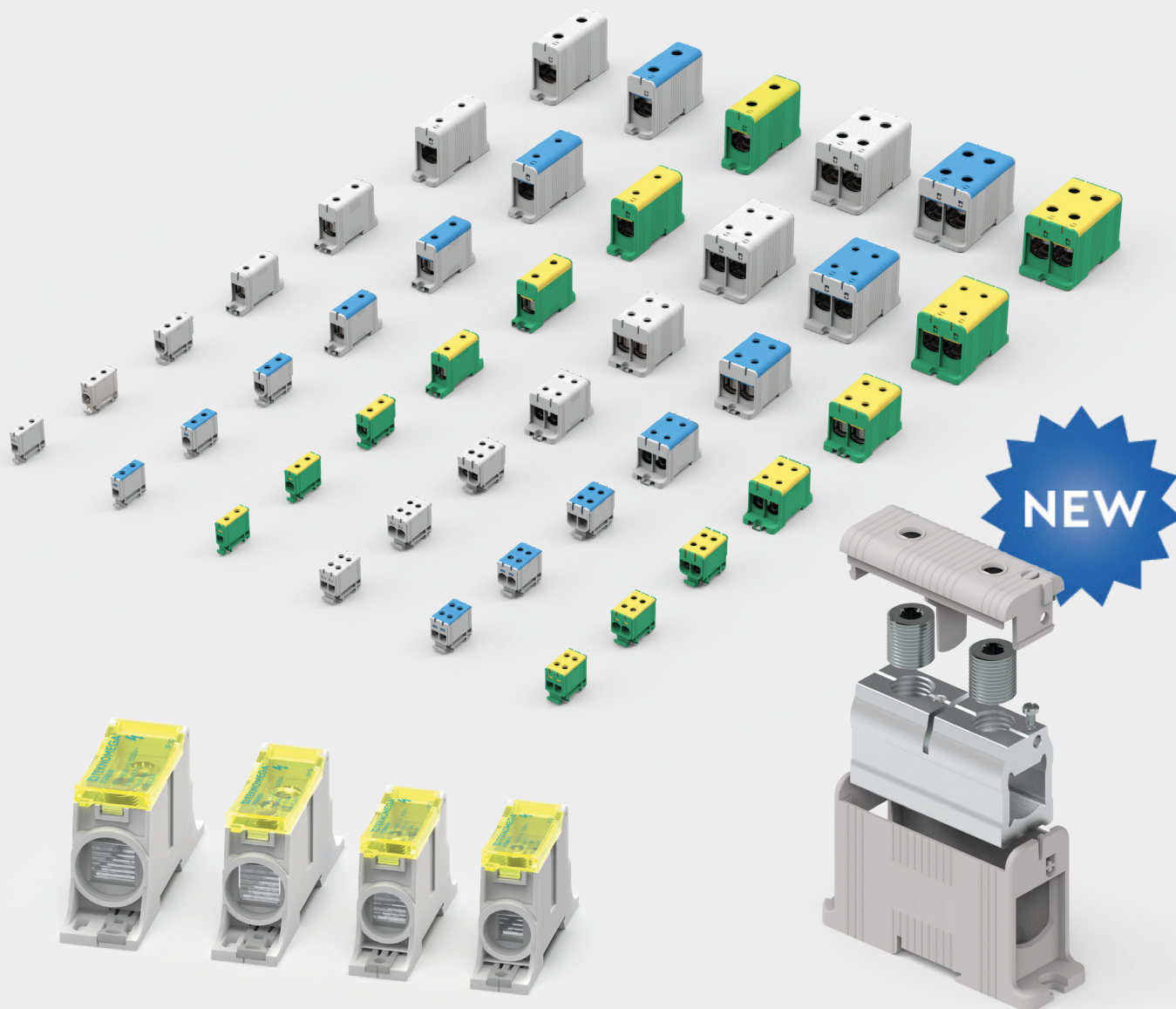
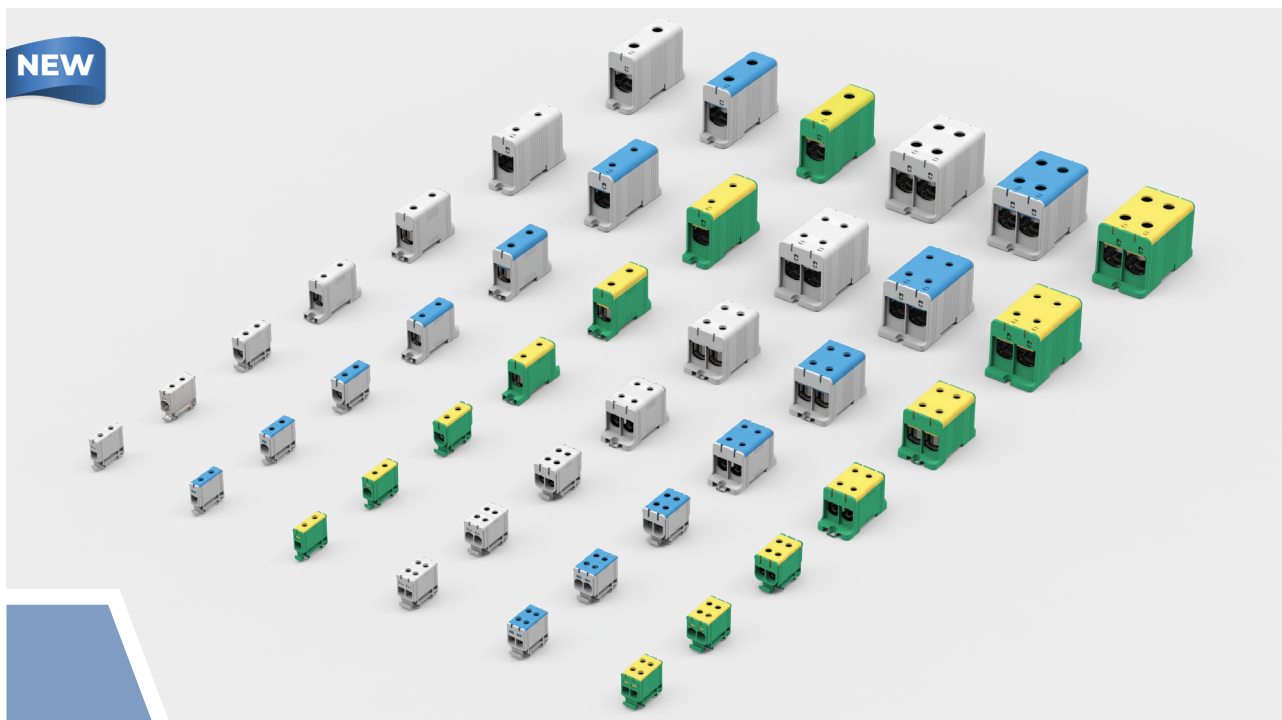




ELECTRICAL POWER
SOLUTIONS

POWER TERMINAL BLOCKS



The power terminals of the PTB3 line are perfectly suitable for use with both copper and aluminum cables, from 1,5 mm² to 300 mm².

Thanks to the conductive body made of tinned aluminum, they allow the connection of conductors made of different materials without the need for additional components.

The composition of the conductive grease inside these power terminals improves electrical conduction and ensures protection against oxide formation; therefore, it is no longer necessary to apply it to the cable, as it is already present in the conductive body.

The option to choose between GREY, BLUE, and YELLOW/GREEN colors allows for immediate circuit identification. All in single-pole version, they allow different cable connection configurations (1in/1out, 2in/2out, 1in/2out, 1in/3out) while keeping overall dimensions compact.

TECHNICAL CHARACTERISTICS

Insulating block and cover: PA 66 UL 94-V0

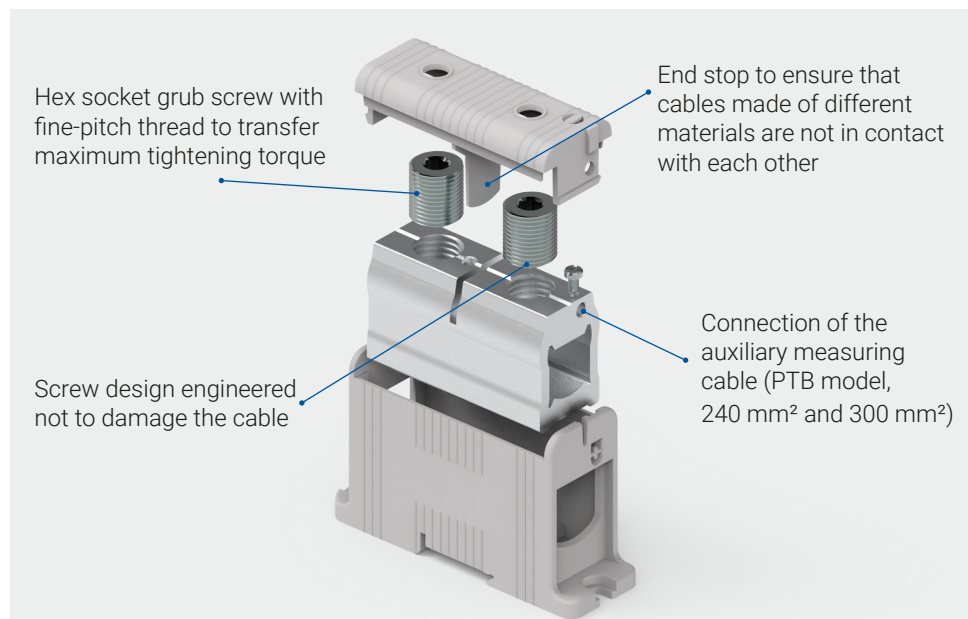
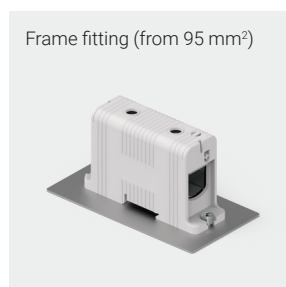
Conduction block: aluminium

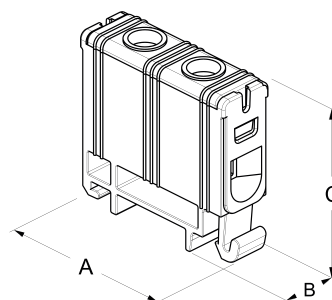
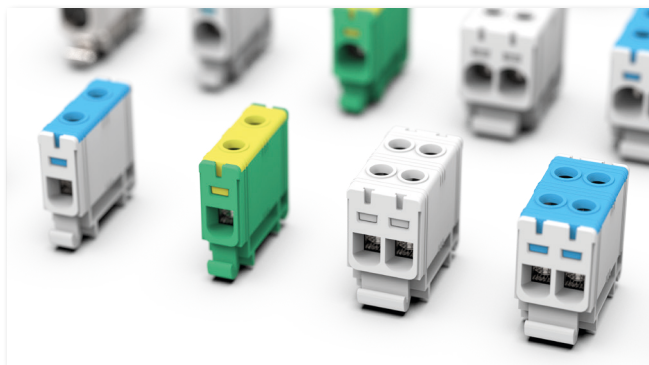
Screws: galvanized steel

$U_i=1000V$ AC / 1500V DC; $U_{imp}=8kV$

Compliant with standards EN 60947-7-1 and EN 61238-1-1

Maximum continuous operation temperature is: +85 °C





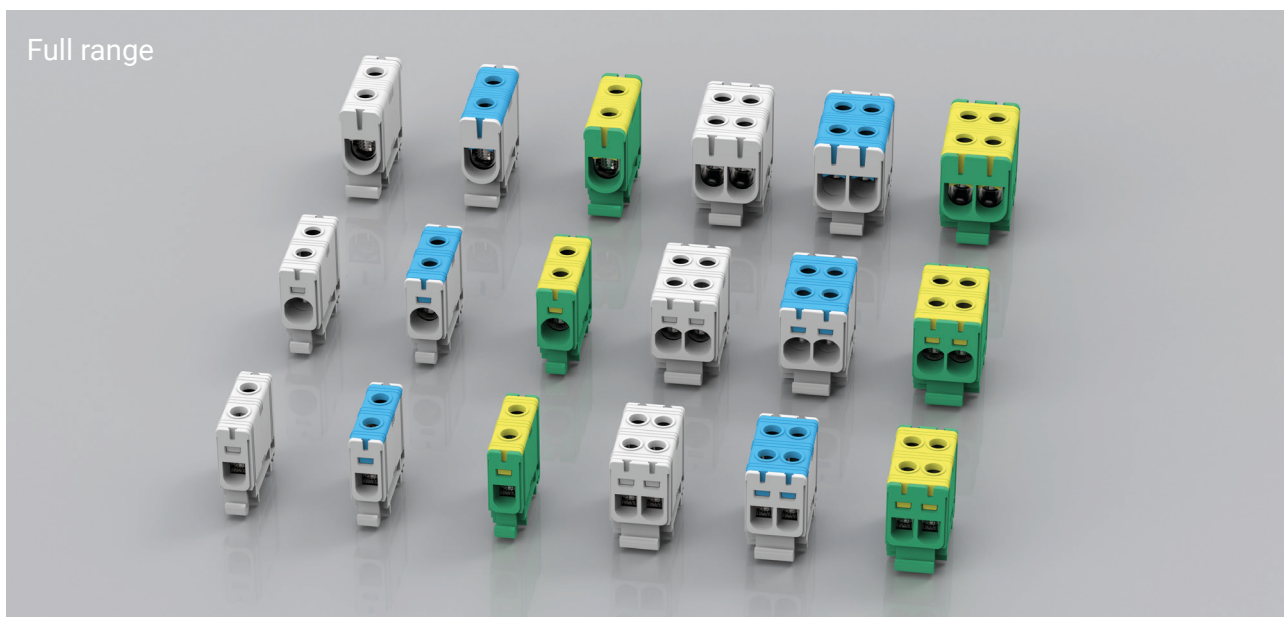
POWER TERMINAL BLOCK to 50mm²

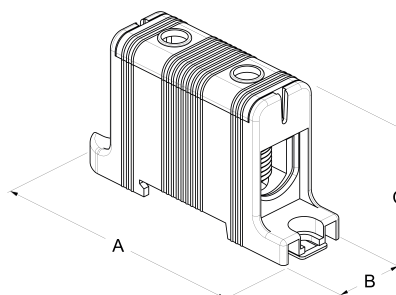
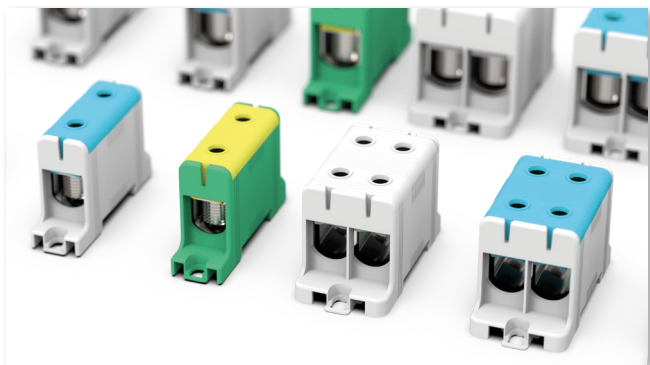
TECHNICAL DATA

Code	Reference		Weight (kg)	A (mm)	B (mm)	C (mm)	Color	I _{th} Cu (A)	I _{th} Al (A)	IN/OUT	Sect. Cu (mm ²)	Sect. Al (mm ²)	I _{cw} (kA)	I _{pk} (kA)
PTB3011	PTB-1-16-G	10	0,021	43,5	13,9	40,3	■	85	85	1x/1x	1,5÷16	1,5÷16	1,93	2,7
PTB3012	PTB-1-16-B	10	0,021	43,5	13,9	40,3	■	85	85	1x/1x	1,5÷16	1,5÷16	1,93	2,7
PTB3013	PTB-1-16-Y	10	0,021	43,5	13,9	40,3	■ / ■	85	85	1x/1x	1,5÷16	1,5÷16	1,93	2,7
PTB3021	PTB-2-16-G	10	0,038	43,5	23,7	40,3	■	85	85	2x/2x	1,5÷16	1,5÷16	1,93	2,7
PTB3022	PTB-2-16-B	10	0,038	43,5	23,7	40,3	■	85	85	2x/2x	1,5÷16	1,5÷16	1,93	2,7
PTB3023	PTB-2-16-Y	10	0,038	43,5	23,7	40,3	■ / ■	85	85	2x/2x	1,5÷16	1,5÷16	1,93	2,7
PTB3111	PTB-1-35-G	5	0,025	47,4	16,3	40,3	■	135	120	1x/1x	2,5÷35	2,5÷35	4,2	6,2
PTB3112	PTB-1-35-B	5	0,025	47,4	16,3	40,3	■	135	120	1x/1x	2,5÷35	2,5÷35	4,2	6,2
PTB3113	PTB-1-35-Y	5	0,025	47,4	16,3	40,3	■ / ■	135	120	1x/1x	2,5÷35	2,5÷35	4,2	6,2
PTB3121	PTB-2-35-G	5	0,043	47,4	27,3	40,3	■	135	120	2x/2x	2,5÷35	2,5÷35	4,2	6,2
PTB3122	PTB-2-35-B	5	0,043	47,4	27,3	40,3	■	135	120	2x/2x	2,5÷35	2,5÷35	4,2	6,2
PTB3123	PTB-2-35-Y	5	0,043	47,4	27,3	40,3	■ / ■	135	120	2x/2x	2,5÷35	2,5÷35	4,2	6,2
PTB3211	PTB-1-50-G	5	0,034	51	17,9	43,7	■	160	145	1x/1x	2,5÷50	6÷50	6	9,2
PTB3212	PTB-1-50-B	5	0,034	51	17,9	43,7	■	160	145	1x/1x	2,5÷50	6÷50	6	9,2
PTB3213	PTB-1-50-Y	5	0,034	51	17,9	43,7	■ / ■	160	145	1x/1x	2,5÷50	6÷50	6	9,2
PTB3221	PTB-2-50-G	5	0,060	51	30,1	43,7	■	160	145	2x/2x	2,5÷50	6÷50	6	9,2
PTB3222	PTB-2-50-B	5	0,060	51	30,1	43,7	■	160	145	2x/2x	2,5÷50	6÷50	6	9,2
PTB3223	PTB-2-50-Y	5	0,060	51	30,1	43,7	■ / ■	160	145	2x/2x	2,5÷50	6÷50	6	9,2

I_{cw} = Effective value of short-circuit current, duration equal to 1 second, expressed in kA as per standard EN 60947-7-1

Full range





POWER TERMINAL BLOCK to 150mm²

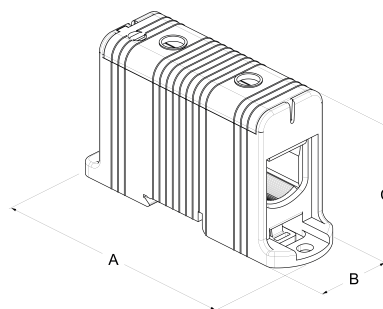
TECHNICAL DATA

Code	Reference		Weight (kg)	A (mm)	B (mm)	C (mm)	Color	I _{th} Cu (A)	I _{th} Al (A)	IN/OUT	Sect. Cu (mm ²)	Sect. Al (mm ²)	I _{cw} (kA)	I _{pk} (kA)
PTB3311	PTB-1-95-G	3	0,090	89,1	24,3	49,6	■	245	220	1x/1x	16÷95	16÷95	11,4	22,8
PTB3312	PTB-1-95-B	3	0,090	89,1	24,3	49,6	■	245	220	1x/1x	16÷95	16÷95	11,4	22,8
PTB3313	PTB-1-95-Y	3	0,090	89,1	24,3	49,6	■ / ■	245	220	1x/1x	16÷95	16÷95	11,4	22,8
PTB3321	PTB-2-95-G	3	0,164	89,1	42	49,6	■	245	220	2x/2x	16÷95	16÷95	11,4	22,8
PTB3322	PTB-2-95-B	3	0,164	89,1	42	49,6	■	245	220	2x/2x	16÷95	16÷95	11,4	22,8
PTB3323	PTB-2-95-Y	3	0,164	89,1	42	49,6	■ / ■	245	220	2x/2x	16÷95	16÷95	11,4	22,8
PTB3411	PTB-1-150-G	3	0,162	96,6	29,3	59,2	■	320	290	1x/1x	35÷150	35÷150	18	36
PTB3412	PTB-1-150-B	3	0,162	96,6	29,3	59,2	■	320	290	1x/1x	35÷150	35÷150	18	36
PTB3413	PTB-1-150-Y	3	0,162	96,6	29,3	59,2	■ / ■	320	290	1x/1x	35÷150	35÷150	18	36
PTB3421	PTB-2-150-G	3	0,291	96,6	51,3	59,2	■	320	290	2x/2x	35÷150	35÷150	18	36
PTB3422	PTB-2-150-B	3	0,291	96,6	51,3	59,2	■	320	290	2x/2x	35÷150	35÷150	18	36
PTB3423	PTB-2-150-Y	3	0,291	96,6	51,3	59,2	■ / ■	320	290	2x/2x	35÷150	35÷150	18	36

I_{cw} = Effective value of short-circuit current, duration equal to 1 second, expressed in kA as per standard EN 60947-7-1

Full range





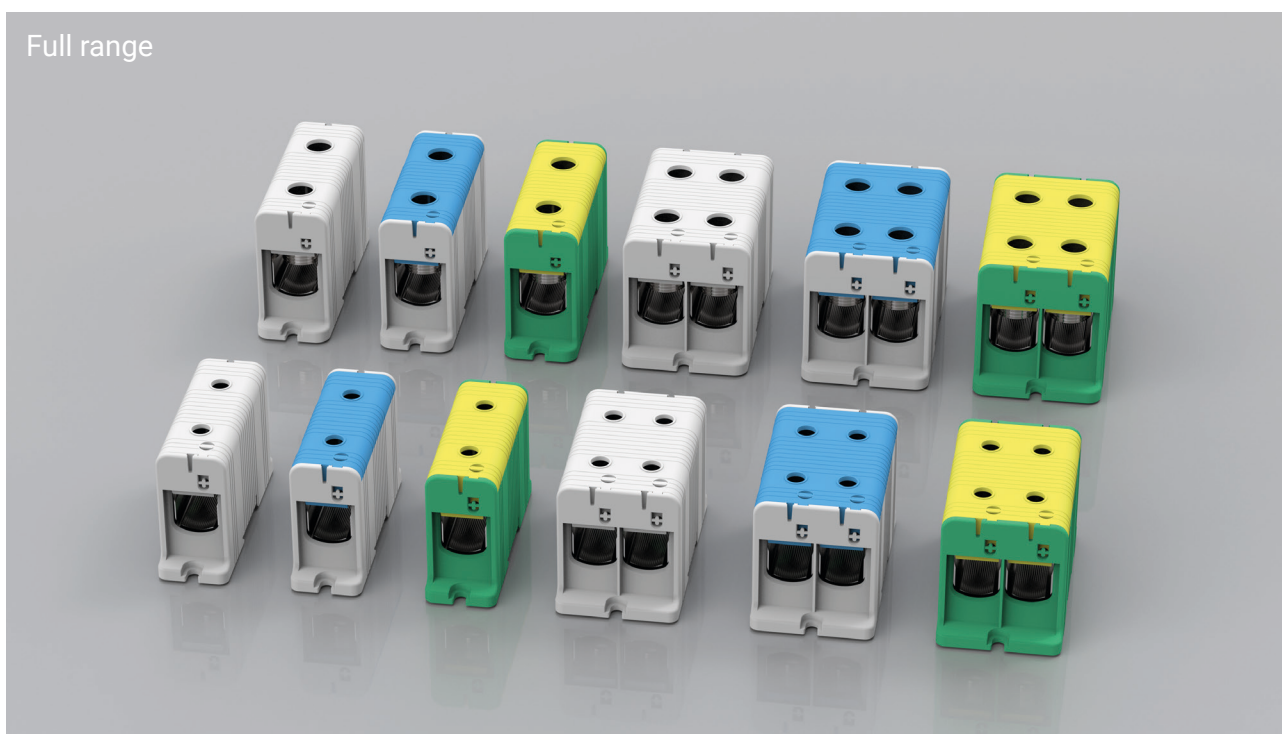
POWER TERMINAL BLOCK to 300mm²

TECHNICAL DATA

Code	Reference		Weight (kg)	A (mm)	B (mm)	C (mm)	Color	I _{th} Cu (A)	I _{th} Al (A)	IN/OUT	Sect. Cu (mm ²)	Sect. Al (mm ²)	I _{cw} (kA)	I _{pk} (kA)
PTB3511	PTB-1-240-G	1	0,350	122,5	38,1	71,4	Grey	425	380	1x/1x	35÷240	35÷240	28,8	60,5
PTB3512	PTB-1-240-B	1	0,350	122,5	38,1	71,4	Blue	425	380	1x/1x	35÷240	35÷240	28,8	60,5
PTB3513	PTB-1-240-Y	1	0,350	122,5	38,1	71,4	Yellow / Green	425	380	1x/1x	35÷240	35÷240	28,8	60,5
PTB3521	PTB-2-240-G	1	0,600	122,5	64,8	71,4	Grey	425	380	2x/2x	35÷240	35÷240	28,8	60,5
PTB3522	PTB-2-240-B	1	0,600	122,5	64,8	71,4	Blue	425	380	2x/2x	35÷240	35÷240	28,8	60,5
PTB3523	PTB-2-240-Y	1	0,600	122,5	64,8	71,4	Yellow / Green	425	380	2x/2x	35÷240	35÷240	28,8	60,5
PTB3611	PTB-1-300-G	1	0,450	132,3	42	77	Grey	520	440	1x/1x	35÷300	35÷300	36	75,6
PTB3612	PTB-1-300-B	1	0,450	132,3	42	77	Blue	520	440	1x/1x	35÷300	35÷300	36	75,6
PTB3613	PTB-1-300-Y	1	0,450	132,3	42	77	Yellow / Green	520	440	1x/1x	35÷300	35÷300	36	75,6
PTB3621	PTB-2-300-G	1	0,850	132,3	71,7	77	Grey	520	440	2x/2x	35÷300	35÷300	36	75,6
PTB3622	PTB-2-300-B	1	0,850	132,3	71,7	77	Blue	520	440	2x/2x	35÷300	35÷300	36	75,6
PTB3623	PTB-2-300-Y	1	0,850	132,3	71,7	77	Yellow / Green	520	440	2x/2x	35÷300	35÷300	36	75,6

I_{cw} = Effective value of short-circuit current, duration equal to 1 second, expressed in kA as per standard EN 60947-7-1

Full range





TECHNICAL FEATURES

Self-extinguishing insulating block: PA 6, UL 94-V0

Cover: PC, UL 94-v2, transparent yellow, manually removable

Conduction block: tinned copper

Clamps: galvanized steel and Al alloy

Screws: galvanized steel

IP10 degree of protection ensures protection against accidental contact

Compliant with standard EN 60947-7-1

Maximum continuous operation temperature is: +85 °C

Connection possibilities:

- direct with COFLEX, COFLEX PLUS and cables
- via RPC adapter with J-LINK and J-LINK PLUS

Openable and removable frontal protection cover

Guided insertion of copper or aluminium cables

Body structure with high dielectric features

Easy installation on DIN rails or on panels with screws

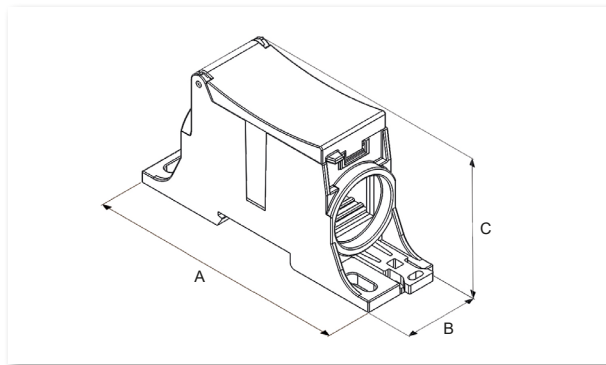
Milled clamp for input connections by indirect tightening

Highly reliable connection

Possibility of fixing in adjacent with pre-mounted clip on the insulating structure

Connection possibilities:

- direct with COFLEX, COFLEX PLUS and cables
- via RPC adapter with J-LINK and J-LINK PLUS



POWER TERMINALS 125-160-250-400 A

Code	Reference		Weight (kg)	A (mm)	B (mm)	C (mm)
PTB6015	PTB 125	1	0.110	84	24	54
PTB6020	PTB 160	1	0.115	84	24	54
PTB6025	PTB 250	1	0.195	111	27	56
PTB6030	PTB 400	1	0.270	111	32	60

TECHNICAL DATA

Code	Type	In (A)	IN/OUT	Recommended COFLEX* L (mm)	 Sect.(mm ²)	 Sect.(mm ²)	Nr	I _{cw} (kA)	I _{pk} (kA)	U _i (V)
PTB6015	1 POLE 1 output 125A	125	IN →	3x9x0.8	25÷35	10÷35	1	7.5	31.6	1000
			← OUT	3x9x0.8	25÷35	10÷35	1			
PTB6020	1 POLE 1 output 160A	160	IN →	3x13x0.5	25÷70	10÷50	1	11.2	41	1000
			← OUT	3x13x0.5	25÷70	10÷50	1			
PTB6025	1 POLE 1 output 250A	250	IN →	4x15.5x0.8	50÷95	35÷95	1	15.1	43.2	1000
			← OUT	4x15.5x0.8	50÷95	35÷95	1			
PTB6030	1 POLE 1 output 400A	400	IN →	6x15.5x0.8	25÷185	25÷150	1	29.6	52.3	1000
			← OUT	6x15.5x0.8	25÷185	25÷150	1			

*See the flexible bar tables COFLEX and COFLEX PLUS

I_{pk} = Short-circuit current peak value expressed in kA

I_{cw} = Effective value of short-circuit current, duration equal to 1 second, expressed in kA as per standard EN 60947-7-1

U_i = Nominal insulation voltage

Cables legend:

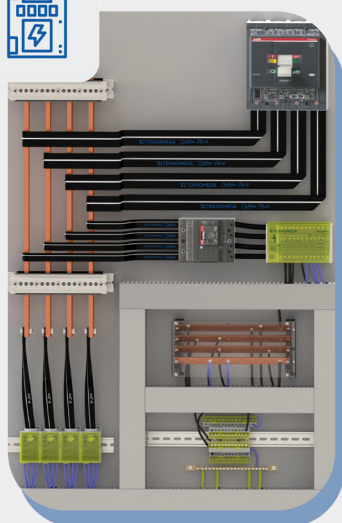


Stripped wire



Cable with ferrule

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