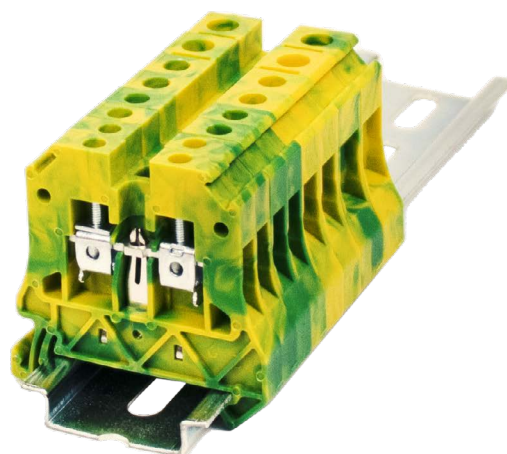


Protective Conductor Terminal Blocks



- Mountable on both TH35 and G32 mounting rails for RT/SU-E and easy assembling on TH35 mounting rails in the RT/SU-SO
- Green-yellow insulated body in RT/SU-E, and partially green-yellow insulated body in RT/SU-SO made of PA material
- Designed to provides proper electrical and mechanical connection with its mounting rail, so that it can be used to provide conductor busbar
- Protective conductor terminal blocks share the same space-saving characteristics and design specifications as the RT/SU series
- Used for connecting PE and PEN conductors, regarding the rated cross-section to be more than 10 mm² for PEN function, as specified in the below table

Table A.1 - Maximum short-time withstand currents allocated to the rail profile and thermal rated current of a PEN busbar

IEC 60947-7-2				
Rail profile	Material	Equivalent E-Cu cross-section mm ²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15-5.5	Steel **	10	1.2	-
	Copper *	25	3	101
	Aluminium *	16	1.92	76
G-type rail IEC 60715/G32	Steel **	35	4.2	-
	Copper *	120	14.4	269
	Aluminium *	70	8.4	192
"Top hat" rail IEC 60715/TH 35-7.5	Steel **	16	1.92	-
	Copper *	50	6	150
	Aluminium *	35	4.2	125
"Top hat" rail IEC 60715/TH 35-15	Steel **	50	6	-
	Copper *	150	18	309
	Aluminium *	95	11.4	232

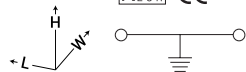
* Copper or aluminium alloys selected by the manufacturer of terminal block assembly to achieve the values in the table.

** Steel protective conductor busbars are not allowed to be used as a PEN conductor.



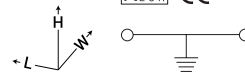
■ RT/SU2.5-E

(RET2.5)



■ RT/SU4-E

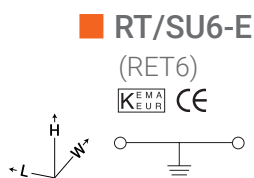
(RET4)



IEC 60947-7-2 rated data	RT/SU2.5-E	RT/SU4-E
Impulse voltage (kV)	6	6
Pollution degree/Voltage category/Material group	3/III/I	3/III/I
Current (A)	-	-
Cross section (mm ²)	2.5	4

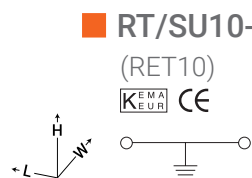
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on G 32 TH35-7.5,15	RT/SU2.5-E	6010601001	50	RT/SU4-E	6010601002	50
Marking Tags	NS6	For details see Accessories		NS6.4	For details see Accessories	
Marking Holder	Marking Holder	6032100001	10	Marking Holder	6032100001	10
Strip Lable	TBSL 22x20	For details see Accessories		TBSL 22x20	For details see Accessories	
Screw Driver	0.5*3.0 0.5*3.0	-	-	0.5*3.0 0.5*3.0	-	-
Color						

Dimensions (mm)	W / L / H	W / L / H
Width/Length/Height, TH 35-7.5	6/42.5/42	6.4/42.5/48
Width/Length/Height, TH 35-15	6/42.5/49.5	6.4/42.5/55.5
Width/Length/Height, G32	6/42.5/46	6.4/42.5/52
Connection capacity		
Rigid Solid (mm ²)	0.5-4	0.5-4
Rigid stranded (mm ²)	0.5-4	0.5-4
Flexible (mm ²)	0.5-2.5	0.5-4
American Wire Gauge (AWG)	20-12	20-12
IEC test gauge	A3	A4
Stripping length (mm)	10	12
Clamping screw/Tightening torque (N.m)	M2.5 / 0.4	M3 / 0.5
Center screw/Tightening torque (N.m)	M3 / 0.5	M3 / 0.5
Insulation material	PA	PA



RT/SU6-E

(RET6)

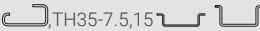


RT/SU10-E

(RET10)



IEC 60947-7-2 rated data	RT/SU6-E	RT/SU10-E
Impulse voltage (kV)	8	8
Pollution degree/Voltage category/Material group	3/III/I	3/III/I
Current (A)	-	57
Cross section (mm ²)	6	10

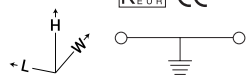
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on G 32 	RT/SU6-E	6010601003	25	RT/SU10-E	6010601004	25
Marking Tags 	NS8	For details see Accessories		NS10	For details see Accessories	
Marking Holder 	Marking Holder	6032100001	10	Marking Holder	6032100001	10
Strip Lable 	TBSL 22x20	For details see Accessories		TBSL 22x20	For details see Accessories	
Screw Driver 	0.6*3.5 1.0*4.0	-	-	1.0*4.0 1.0*4.0	-	-
Color						

Dimensions (mm)	W / L / H	W / L / H
Width/Length/Height, TH 35-7.5	8/42.5/48	10/42.5/48
Width/Length/Height, TH 35-15	8/42.5/55.5	10/42.5/55.5
Width/Length/Height, G32	8/42.5/51	10/42.5/51
Connection capacity		
Rigid Solid (mm ²)	0.5-10	0.5-16
Rigid stranded (mm ²)	0.5-10	0.5-16
Flexible (mm ²)	0.5-6	0.5-10
American Wire Gauge (AWG)	20-8	20-6
IEC test gauge	A5	B6
Stripping length (mm)	12	12
Clamping screw/Tightening torque (N.m)	M3.5 / 1.2	M4 / 1.5
Center screw/Tightening torque (N.m)	M4 / 1.2	M4 / 1.2
Insulation material	PA	PA



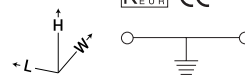
RT/SU16-E

(RET16)



RT/SU35-E

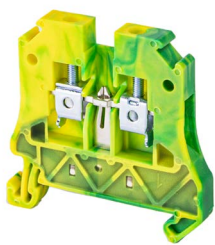
(RET35)



IEC 60947-7-2 rated data	RT/SU16-E	RT/SU35-E
Impulse voltage (kV)	8	8
Pollution degree/Voltage category/Material group	3/III/I	3/III/I
Current (A)	76	125
Cross section (mm ²)	16	35

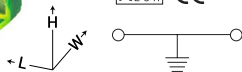
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on G 32 TH35-7.5,15	RT/SU16-E	6010601005	20	RT/SU35-E	6010601006	20
Marking Tags	NS10 RAAD recommended	For details see Accessories		NS10 RAAD recommended	For details see Accessories	
Marking Holder	Marking Holder	6032100001	10	Marking Holder	6032100001	10
Strip Lable	TBSL 22x20	For details see Accessories		TBSL 22x20	For details see Accessories	
Screw Driver	1.0*5.5 1.0*4.0	-	-	1.2x6.5 1.0x5.5	-	-
Color						

Dimensions (mm)	W / L / H	W / L / H
Width/Length/Height, TH 35-7.5	12.5/46.5/61.5	16.5/50/64
Width/Length/Height, TH 35-15	12.5/46.5/69	16.5/50/71.5
Width/Length/Height, G32	12.5/46.5/65	16.5/50/67.5
Connection capacity		
Rigid Solid (mm ²)	0.5-16	1.5-16
Rigid stranded (mm ²)	0.5-16	1.5-35
Flexible (mm ²)	0.5-16	1.5-35
American Wire Gauge (AWG)	20-6	16-2
IEC test gauge	B7	B9
Stripping length (mm)	12.3	14.9
Clamping screw/Tightening torque (N.m)	M5 / 2.5	M6 / 3.5
Center screw/Tightening torque (N.m)	M4 / 1.2	M5 / 2
Insulation material	PA	PA



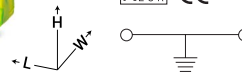
RT/SU2.5-SO

(RETN2.5)



RT/SU4-SO

(RETN4)



IEC 60947-7-2 rated data	RT/SU2.5-SO	RT/SU4-SO
Impulse voltage (kV)	6	6
Pollution degree/Voltage category/Material group	3/III/I	3/III/I
Current (A)	-	-
Cross section (mm ²)	2.5	4

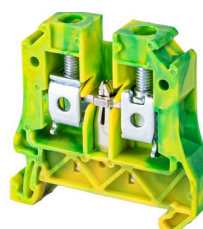
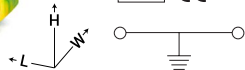
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SU2.5-SO	6010602001	50	RT/SU4-SO	6010602002	50
End plate	EP-RETN2.5-10	6020206001	50	EP-RETN2.5-10	6020206001	50
Width (mm)	1.2			1.2		
Partition	P-RETN2.5-10	6020301105	50	P-RETN2.5-10	6020301105	50
Width (mm)	1.6			1.6		
Screw Driver	0.5x3.0	-	-	0.5x3.0	-	-
Marking Tags	NS6	For details see Accessories		NS6.4	For details see Accessories	
Marking Holder	Marking Holder	6032100001	10	Marking Holder	6032100001	10
Strip Lable	TBSL 22x20	For details see Accessories		TBSL 22x20	For details see Accessories	
Color						

Dimensions (mm)	W / L / H	W / L / H
Width/Length/Height, TH 35-7.5	6/48/48	6.4/48/48
Width/Length/Height, TH 35-15	6/48/55.5	6.4/48/55.5
Connection capacity		
Rigid Solid (mm ²)	0.5-4	0.5-4
Rigid stranded (mm ²)	0.5-4	0.5-4
Flexible (mm ²)	0.5-2.5	0.5-4
American Wire Gauge (AWG)	20-12	20-12
IEC test gauge	A3	A4
Stripping length (mm)	10	12
Clamping screw/Tightening torque (N.m)	M2.5 / 0.4-0.6	M3 / 0.5
Insulation material	PA	PA



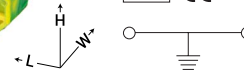
RT/SU6-SO

(RETN6)



RT/SU10-SO

(RETN10)



IEC 60947-7-2 rated data	RT/SU6-SO	RT/SU10-SO
Impulse voltage (kV)	8	8
Pollution degree/Voltage category/Material group	3/III/I	3/III/I
Current (A)	-	57
Cross - section (mm ²)	6	10

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SU6-SO	6010602003	25	RT/SU10-SO	6010602004	20
End plate	EP-RETN2.5-10 1.2	6020206001	50	EP-RETN2.5-10 1.2	6020206001	50
Partition	P-RETN2.5-10 1.6	6020301105	50	p-RETN2.5-10 1.6	6020301105	50
Screw Driver	0.6x3.5	-	-	1.0*4.0	-	-
Marking Tags	NS8	For details see Accessories		NS10	For details see Accessories	
Marking Holder	Marking Holder	6032100001	10	Marking Holder	6032100001	10
Strip Lable	TBSL 22x20	For details see Accessories		TBSL 22x20	For details see Accessories	
Color						

Dimensions (mm)	W / L / H	W / L / H
Width/Length/Height, TH 35-7.5	8/48/48	10/48/48
Width/Length/Height, TH 35-15	8/48/55.5	10/48/55.5
Connection capacity		
Rigid Solid (mm ²)	0.5-10	0.5-16
Rigid stranded (mm ²)	0.5-10	0.5-16
Flexible (mm ²)	0.5-6	0.5-10
American Wire Gauge (AWG)	20-8	20-6
IEC test gauge	A5	B6
Stripping length (mm)	12	12
Clamping screw/Tightening torque (N.m)	M3.5 / 1.2	M4 / 1.5
Insulation material	PA	PA