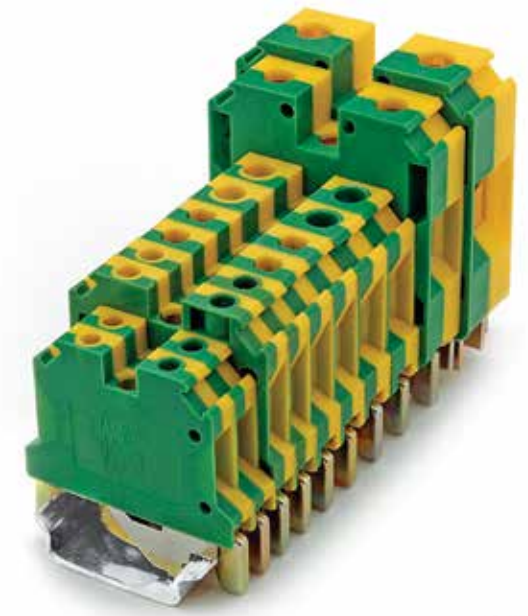


## Protective Conductor Terminal Blocks



- Mountable on both TH35 and G32 mounting rails, beside other types of terminals
- Having green - yellow, partially insulated, cases made of polyamide 6.6
- Designed to provides proper electrical and mechanical connection with its mounting rail, so that it can be used as a protective conductor busbar
- Protective conductor terminal blocks share the same space-saving characteristics and design specifications as the RTP series
- Used for connecting PE and PEN conductors, regarding the rated cross - section to be more than 10 mm<sup>2</sup> for PEN function, as specified in the table below

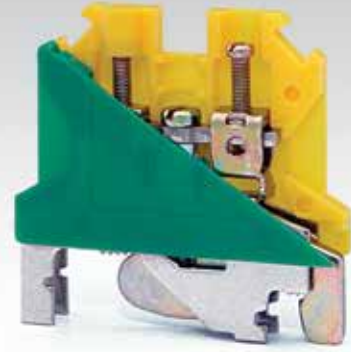
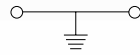
Table A.1 - Maximum short - time withstand currents allocated to the rail profile and thermal rated current of a PEN busbar

IEC 60947-7-2				
Rail profile	Material	Equivalent E-Cu cross-section mm <sup>2</sup>	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 607 15/TH 15-5.5	Steel **	10	1.2	-
	Copper *	25	3	101
	Aluminium *	16	1.92	76
G-type rail IEC 607 15/G32	Steel **	35	4.2	-
	Copper *	120	14.4	269
	Aluminium *	70	8.4	192
"Top hat" rail IEC 607 15/TH 35-7.5	Steel **	16	1.92	-
	Copper *	50	6	150
	Aluminium *	35	4.2	125
"Top hat" rail IEC 607 15/TH 35-15	Steel **	50	6	-
	Copper *	150	18	309
	Aluminium *	95	11.4	232

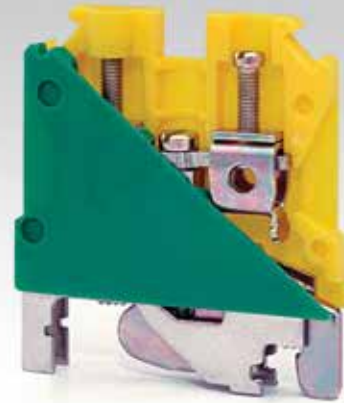
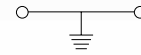
\* Copper or aluminium alloys selected by the manufacturer of terminal block assembly to achieve the values in the table.

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

**RET2.5**  
width 6 mm  
KEMA CE



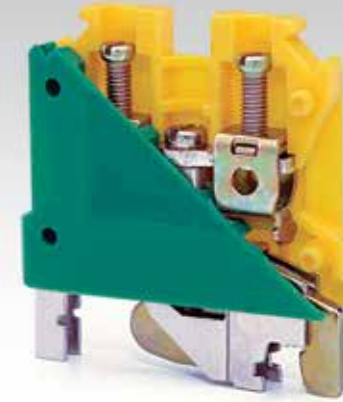
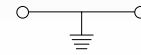
**RET4**  
width 6.5 mm  
KEMA CE



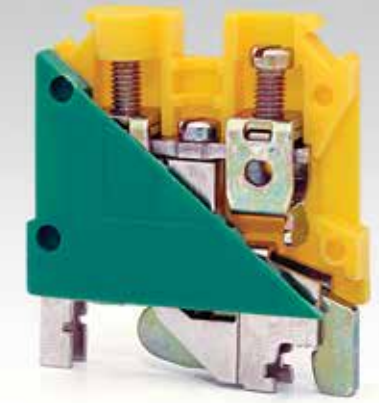
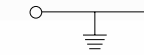
IEC 60947-7-2 rated data	RET2.5			RET4		
Impulse voltage (kV)	6			6		
Pollution degree/Voltage category/Material group	3/III/I			3/III/I		
Current (A)	-			-		
Cross - section (mm <sup>2</sup> )	2.5			4		
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on G 32 TH 35-7.5, 15	RET2.5	101201	50	RET4	101202	50
Marking Tags	NS6	For details see Accessories		NS6.4	For details see Accessories	
Screw driver	0.5x3.0	500042	-	0.5x3.0	500042	-

Dimensions (mm)	RET2.5	RET4
Width/Length	6 / 42.4	6.5 / 42.4
Height, G32/TH 35-7.5/TH 35-15	46 / 41.5 / 49	51.7 / 47.4 / 54.9
Connection capacity		
Rigid Solid (mm <sup>2</sup> )	0.5-4	0.5-4
Rigid stranded (mm <sup>2</sup> )	0.5-4	0.5-4
Flexible (mm <sup>2</sup> )	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 6.6	PA 6.6

**RET6**  
width 8 mm  
KEMA CE



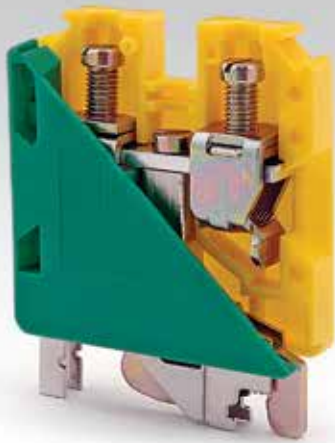
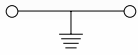
**RET10**  
width 10 mm  
KEMA CE



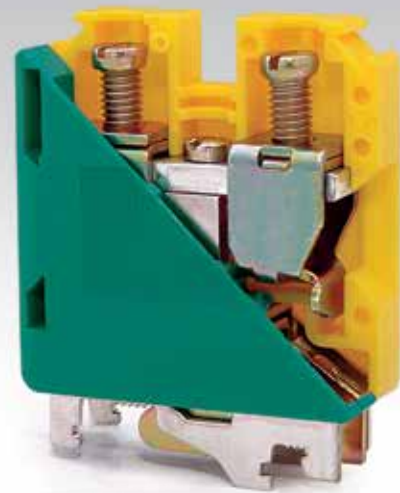
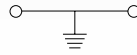
IEC 60947-7-2 rated data	RET6			RET10		
Impulse voltage (kV)	8			8		
Pollution degree/Voltage category/Material group	3/III/I			3/III/I		
Current (A)	-			57		
Cross - section (mm <sup>2</sup> )	6			10		
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on G 32 TH 35-7.5, 15	RET6	101203	25	RET10	101204	25
Marking Tags	NS8	For details see Accessories		NS10 Raad recommended	For details see Accessories	
Screw driver	0.6x3.5 0.8x4.0	500043 500044	- -	0.8x4.0	500044	-

Dimensions (mm)	RET6	RET10
Width/Length	8 / 42.5	10 / 42.5
Height, G32/TH 35-7.5/TH 35-15	51.3 / 47.4 / 54.9	51.3 / 47.4 / 54.9
Connection capacity		
Rigid Solid (mm <sup>2</sup> )	0.5-10	0.5-16
Rigid stranded (mm <sup>2</sup> )	0.5-10	0.5-16
Flexible (mm <sup>2</sup> )	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 6.6	PA 6.6

**RET16**  
width 12.5 mm  
KEMA CE



**RET35**  
width 16.5 mm  
KEMA CE



IEC 60947-7-2 rated data		RET16			RET35		
Impulse voltage (kV)		8			8		
Pollution degree/Voltage category/Material group		3/III/I			3/III/I		
Current (A)		76			125		
Cross - section (mm <sup>2</sup> )		16			35		
Description		Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on G 32 TH 35-7.5, 15		RET16	101205	20	RET35	101206	20
Marking Tags		NS10 <sup>Raad recommended</sup>	For details see Accessories		NS10 <sup>Raad recommended</sup>	For details see Accessories	
Screw driver		1.0x5.5 0.8x4	500045 500044	- -	1.2x6.5 1.0x5.5	500046 500045	- -

Dimensions (mm)	
Width/Length	12.5 / 46.5
Height, G32/TH 35-7.5/TH 35-15	65 / 61 / 68.5
<b>Connection capacity</b>	
Rigid Solid (mm <sup>2</sup> )	0.5-16
Rigid stranded (mm <sup>2</sup> )	0.5-16
Flexible (mm <sup>2</sup> )	0.5-16
American Wire Gauge (AWG)	20-6
<b>IEC test gauge</b>	
Stripping length (mm)	12.3
<b>Clamping screw/Tightening torque (N.m)</b>	
Center screw/Tightening torque (N.m)	M4 / 1.2
<b>Insulation material</b>	
	PA 6.6