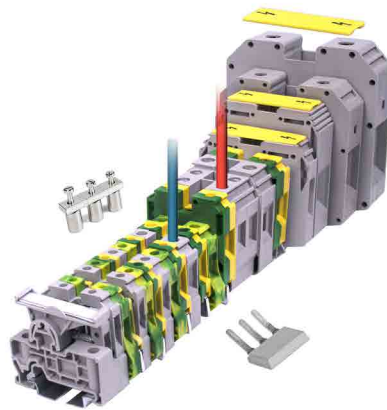


# Universal Terminal Blocks



## Screw Connections

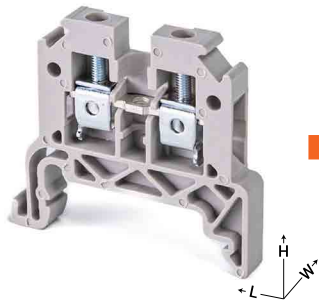
This is the most popular of all known methods of connection. No other connection method allows such high contact forces to be produced in such a small space as a screw. RAAD terminal block screw connection is easy to operate with a standard screwdriver or allen wrench, suitable for all types of conductors without special preparation, absolutely gas tight and vibration proof.

## Reliable Clamping

Most RAAD products use a clamping unit system which has been proven millions of times, world-wide. The clamping units as well as clamping screws are produced from hardened steel. When the clamping screw is tightened, the resultant force causes the upper thread overlap to spring open, thus causing a locking action to be exerted on the screw and an excellent resistance against vibration is achieved.

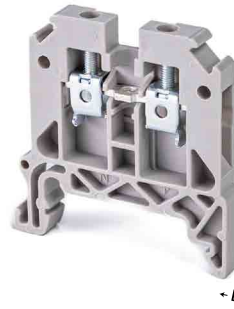
## RAAD offers the RT/SU series with the following advantages:

- Combination foot for TH35 mounting rails
- Terminal insulation body polyamide
- Easy to tighten by screwdriver and allen wrench
- Closed cable entry to prevent wire splitting
- Best connection of the conductor, needing no special cable preparation
- Appropriate for different cross-sections of rigid and flexible conductors
- Similar end plates and partitions for several types
- Pre-assembled and divisible cross-connection system and easy removable unwanted cross-connection
- Offering protective conductor terminals, suitable for various sizes of terminals
- Having marker strips simultaneously mountable on some sizes of the terminal



### RT/SU2.5

(RTP2.5)

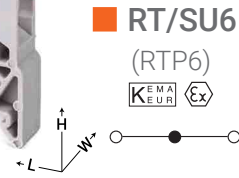
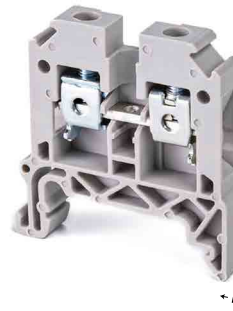
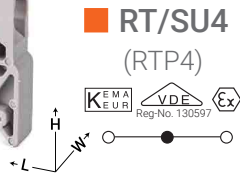


### RT/SU2.5-H

(RTP2.5-H)



Technical data	RT/SU2.5		RT/SU2.5-H			
	Voltage(V)	Current(A)	Voltage(V)	Current(A)		
IEC 60947-7-1	800	24	500	24		
IEC/EN 60079-7	500	24	320	24		
<b>IEC 60947-7-1 rated data</b>						
Impulse voltage (kV)	6		6			
Pollution degree/ Voltage category/Material group	3/III/1		3/III/1			
Maximum Current (A)	32		32			
Maximum Conductor Cross-section (mm <sup>2</sup> )	4		4			
Cross-section (mm <sup>2</sup> )	2.5		2.5			
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SU2.5	60104020	100	RT/SU2.5H	60104010	100
End plate Width (mm)	EP-RTP2.5 1.5	60202020	100	EP-RTP2.5H-10 1.2	60202021	50
Partition Width (mm)	P-RTP2.5 1.6	60203010	100	P-RTP2.5H-10 1.6	60203011	50
Small partition no loss of pitch	SP-2.5-10	6020304001	100	SP-2.5-10	6020304001	100
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8	6020101006	50	EB/4 8	6020101006	50
	EB/3 10	6020101003	50	EB/3 10	6020101003	50
	EB/1 9.5	6020101001	50	EB/1 9.5	6020101001	50
Cross-connection	CC10-2.5 10-pos.	6020502009	10	CC10-2.5 10-pos.	6020502009	50
	CC3-2.5 3-pos.	6020502002	50	CC3-2.5 3-pos.	6020502002	50
	CC2-2.5 2-pos.	6020502001	50	CC2-2.5 2-pos.	6020502001	50
max. current (A)	24			24		
Bridge-comb	BC 10-2.5 10-pos.	6020504009	10	BC 10-2.5 10-pos.	6020504009	10
	BC 3-2.5 3-pos.	6020504002	50	BC 3-2.5 3-pos.	6020504002	50
	BC 2-2.5 2-pos.	6020504001	50	BC 2-2.5 2-pos.	6020504001	50
max. current (A)	24			24		
Test Socket	TS3/6/2.3	6020402001	50	TS3/6/2.3	6020402001	50
Screw Driver	0.5x3.0	-	-	0.5*3.0	-	-
Marking Tags	NS6	For details see Accessories		NS6	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 (Color Code is the last 2 digits of the Ordering No.)						
<b>Dimensions (mm)</b>	<b>W / L / H</b>			<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	6/45.2/42			6/45.2/48.5		
Width/Length/Height, TH 35-15	6/45.2/49.5			6/45.2/56		
<b>Connection capacity</b>						
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			0.5-2.5		
American Wire Gauge (AWG)	20-12			20-12		
<b>IEC test gauge</b>	<b>A3</b>			<b>A3</b>		
Stripping length (mm)	10			10		
<b>Clamping screw</b>	<b>M2.5</b>			<b>M2.5</b>		
Tightening torque (N.m)	0.6			0.4-0.6		
<b>Insulation material</b>	<b>PA</b>			<b>PA</b>		

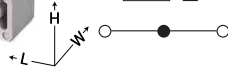


Technical data	RT/SU4			RT/SU6		
	Voltage(V)	Current(A)		Voltage(V)	Current(A)	
IEC 60947-7-1	800	32		800	41	
IEC/EN 60079-7	500	32		500	41	
<b>IEC 60947-7-1 rated data</b>						
Impulse voltage (kV)	6			8		
Pollution degree/Voltage category/Material group	3/III/I			3/III/I		
Maximum Current (A)	41			57		
Maximum Conductor Cross-section (mm <sup>2</sup> )	6			10		
Cross-section (mm <sup>2</sup> )	4			6		
<b>Description</b>	<b>Type</b>	<b>Ordering No.</b>	<b>Qty.</b>	<b>Type</b>	<b>Ordering No.</b>	<b>Qty.</b>
Terminal block, for mounting on TH 35-7.5, 15	RT/SU4	60104020	100	RT/SU6	60104040	80
End plate Width (mm)	EP-RTP2.5H-10 1.2	60202020	100	EP-RTP2.5H-10 1.2	60202021	50
Partition Width (mm)	P-RTP2.5H-10 1.6	60203010	100	P-RTP2.5H-10 1.6	60203011	50
Small partition no loss of pitch	SP-2.5-10	6020304001	100	SP-2.5-10	6020304001	100
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8 EB/3 10 EB/1 9.5	6020101006 6020101003 6020101001	50 50 50	EB/4 8 EB/3 10 EB/1 9.5	6020101006 6020101003 6020101001	50 50 50
Cross-connection	CC10-4 10-pos. CC3-4 3-pos. CC2-4 2-pos. 32	6020502009 6020502002 6020502001	10 50 50	CC10-6 10-pos. CC3-6 3-pos. CC2-6 2-pos. 41	6020502209 6020502202 6020502201	10 50 50
max. current (A)				41		
Bridge-comb	BC10-4 10-pos. BC3-4 3-pos. BC2-4 2-pos. 32	6020504109 6020504102 6020504101	10 50 50	JEB10-6 10-pos. JEB3-6 3-pos. JEB2-6 2-pos. 41	6020506009 6020506002 6020506001	10 50 50
max. current (A)				41		
Test Socket	TS3/6/2.3	6020402001	50	-	-	-
Screw Driver	0.5x3.0	-	-	TS6	6020401005	50
Marking Tags	NS6.4	For details see Accessories		NS8	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 (Color Code is the last 2 digits of the Ordering No.)						
<b>Dimensions (mm)</b>	<b>W / L / H</b>			<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	6.4/45.2/48.5			8/45.2/48.5		
Width/Length/Height, TH 35-15	6.4/45.2/56			8/45.2/56		
<b>Connection capacity</b>						
Rigid Solid (mm <sup>2</sup> )	0.5-6			0.5-10		
Rigid stranded (mm <sup>2</sup> )	0.5-6			0.5-10		
Flexible (mm <sup>2</sup> )	0.5-4			0.5-6		
American Wire Gauge (AWG)	20-10			20-8		
<b>IEC test gauge</b>	<b>A4</b>			<b>A5</b>		
Stripping length (mm)	12			12		
<b>Clamping screw/ Tightening torque (N.m)</b>	<b>M3/0.8</b>			<b>M3.5/1.2</b>		
Insulation material	PA			PA		



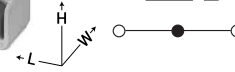
**RT/SU10**

(RTP10)

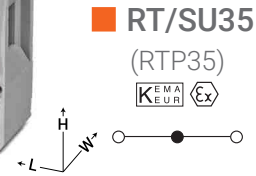
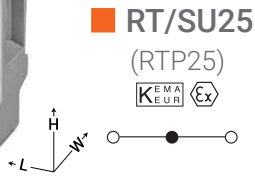


**RT/SU16**

(RTP16)



Technical data	RT/SU10			RT/SU16		
	Voltage(V)	Current(A)		Voltage(V)	Current(A)	
IEC 60947-7-1	800	57		1000	76	
IEC/EN 60079-7	500	57		630	76	
<b>IEC 60947-7-1 rated data</b>						
Impulse voltage (kV)	8			8		
Pollution degree/ Voltage category/Material group	3/III/1			3/III/1		
Maximum Current (A)	76			-		
Maximum Conductor Cross-section (mm <sup>2</sup> )	16			-		
Cross-section (mm <sup>2</sup> )	10			16		
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SU10	60104020	60	RT/SU16	60104060	50
End plate	EP-RTP2.5-H-10			-	-	-
Width (mm)	1.2	60202020	100	-	-	-
Partition	P-RTP2.5-H-10			-	-	-
Width (mm)	1.6	60203010	100	-	-	-
Small partition no loss of pitch	SP-2.5-10			-	-	-
Partition width (mm)	-	-	-	GP 3	6020305005	20
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8	6020101006	50	EB/4 8	6020101006	50
	EB/3 10	6020101003	50	-	-	-
	EB/1 9.5	6020101001	50	-	-	-
End bracket, for G32 TH35-7.5, 15 Width (mm)	-	-	-	EB/2 10	6020101002	50
Cross-connection	CC10-10 10-pos.	6020502009	10	CC10-16 10-pos.	6020502409	10
	CC3-10 3-pos.	6020502002	50	CC3-16 3-pos.	6020502402	20
	CC2-10 2-pos.	6020502001	50	CC2-16 2-pos.	6020502401	20
max. current (A)	57			76		
Test Socket	TS3/8/4	6020402002	50	TS3.5/8/4	6020402003	50
	TS6	6020401005	50	-	-	-
Screw Driver	1.0*4.0	-	-	1.0x5.5	-	-
Marking Tags	NS10	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 (Color Code is the last 2 digits of the Ordering No.)						
<b>Dimensions (mm)</b>	<b>W / L / H</b>			<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	10/45.2/48.5			12.5/49.5/61.5		
Width/Length/Height, TH 35-15	10/45.2/56			12.5/49.5/69		
<b>Connection capacity</b>						
Rigid Solid (mm <sup>2</sup> )	0.5-16			0.5-16		
Rigid stranded (mm <sup>2</sup> )	0.5-16			0.5-16		
Flexible (mm <sup>2</sup> )	0.5-10			0.5-16		
American Wire Gauge (AWG)	20-6			20-6		
<b>IEC test gauge</b>	<b>B6</b>			<b>B7</b>		
Stripping length (mm)	12			12.3		
<b>Clamping screw/ Tightening torque (N.m)</b>	<b>M4/1.5</b>			<b>M5/2.5</b>		
Insulation material	PA			PA		



Technical data	RT/SU25		RT/SU35	
	Voltage(V)	Current(A)	Voltage(V)	Current(A)
IEC 60947-7-1	1000	101	1000	125
IEC/EN 60079-7	630	101	630	124
<b>IEC 60947-7-1 rated data</b>				
Impulse voltage (kV)	8		8	
Pollution degree/Voltage category /Material group	3/III/I		3/III/I	
Cross-section (mm <sup>2</sup> )	25		35	

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SU25	60104070	50	RT/SU35	60104080	20
Partition width (mm)	GP 3	6020305005	20	GP 3	6020305005	20
End bracket for G32 TH 35-7.5, 15 width (mm)	EB/2 10	6020101002	50	EB/2 10	6020101002	50
Cross-connection	CC10-25 10-pos. CC3-25 3-pos. CC2-25 2-pos.	6020502419 6020502412 6020502411	10 20 20	CC10-35 10-pos. CC3-35 3-pos. CC2-35 2-pos.	6020502439 6020502432 6020502431	10 20 20
max. current (A)	101			114		
Test Socket	TS4/8/4	6020402004	50	TS4/8/4	6020402004	50
Screw Driver	1.0x5.5	-	-	1.2x6.5	-	-
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	
Color (Color Code is the last 2 digits of the Ordering No.)						
<b>Dimensions (mm)</b>		W / L / H		W / L / H		
Width/Length/Height, TH 35-7.5		13.6/49.5/61.5		16.5/52/64		
Width/Length/Height, TH 35-15		13.6/49.5/69		16.5/52/71.5		
<b>Connection capacity</b>						
Rigid Solid (mm <sup>2</sup> )		0.5-16		1.5-16		
Rigid stranded (mm <sup>2</sup> )		0.5-25		1.5-35		
Flexible (mm <sup>2</sup> )		0.5-25		1.5-35		
American Wire Gauge (AWG)		20-4		16-2		
<b>IEC test gauge</b>		B8		B9		
Stripping length (mm)		12.3		14.9		
<b>Clamping screw</b>		M5		M6		
Tightening torque (N.m)		2.5		3.5		
<b>Insulation material</b>		PA		PA		



### RT/SU50

(RTP50)



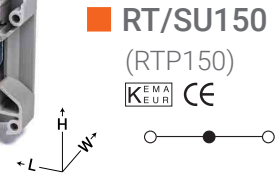
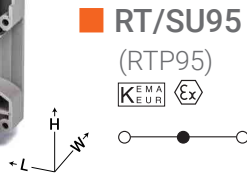
### RT/SU70

(RTP70)



Technical data	RT/SU50		RT/SU70	
	Voltage(V)	Current(A)	Voltage(V)	Current(A)
IEC 60947-7-1 IEC/EN 60079-7	1000 800	150 140	1000 -	192 -
<b>IEC 60947-7-1 rated data</b>				
Impulse voltage (kV)	8		8	
Pollution degree/ Voltage category/ Material group	3/III/1		3/III/1	
Cross-section (mm <sup>2</sup> )	50		70	

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SU50	60104090	20	RT/SU70	60104100	10
Partition width (mm)	GP 3	6020305005	20	-	-	-
End bracket for G32 TH 35-7.5, 15 width (mm)	EB/2 10	6020101002	50	EB/2 10	6020101002	50
Cross-connection	CC3-50 3-pos. CC2-50 2-pos. 132	6020502452 6020502451	10 10	CC3-70 3-pos. CC2-70 2-pos.	6020502472 6020502471	10 10
max. current (A)						
Allen wrench	4	-	-	6	-	-
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	
Color (Color Code is the last 2 digits of the Ordering No.)						
<b>Dimensions (mm)</b>	<b>W / L / H</b>			<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	20/67/72			22/67/87.5		
Width/Length/Height, TH 35-15	20/67/79.5			22/67/95		
<b>Connection capacity</b>						
Rigid Solid (mm <sup>2</sup> )	6-16			6-16		
Rigid stranded (mm <sup>2</sup> )	6-50			6-70		
Flexible (mm <sup>2</sup> )	10-50			10-70		
American Wire Gauge (AWG)	10-0			8-00		
<b>IEC test gauge</b>	<b>B10</b>			<b>B11</b>		
Stripping length (mm)	19			19		
<b>Clamping screw</b>	<b>M8</b>			<b>M8</b>		
Tightening torque (N.m)	4.5-8			10		
<b>Insulation material</b>	<b>PA</b>			<b>PA</b>		



Technical data	RT/SU95		RT/SU150	
	Voltage(V)	Current(A)	Voltage(V)	Current(A)
IEC 60947-7-1	1000	232	1000	309
IEC/EN 60079-7	750	210	-	-
<b>IEC 60947-7-1 rated data</b>				
Impulse voltage (kV)	8		8	
Pollution degree/Voltage category /Material group	3/III/I		3/III/I	
Cross-section (mm <sup>2</sup> )	95		150	

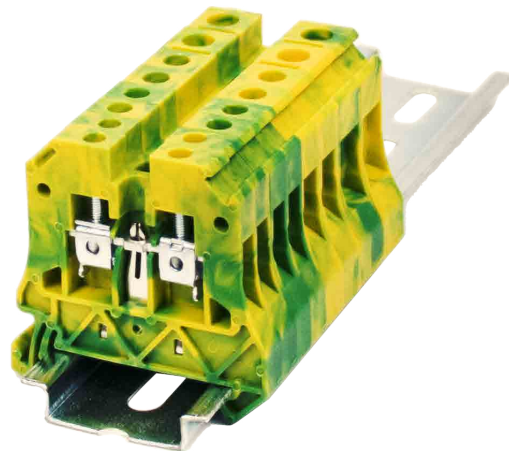
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on G 32 TH 35-15	RT/SU95	60104110	5	RT/SU150	60104120	5
End bracket for G32 TH 35-7.5, 15 width (mm)	EB/2 10	6020101002	50	EB/2 10	6020101002	50
Cross-connection max. current (A)	CC3-95 3-pos. CC2-95 2-pos. 200	6020502511 6020502491	10 10	CC3-150 3-pos. CC2-150 2-pos. 250	6020502512 6020502511	10 10
Allen wrench	6	-	-	8	-	-
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	
Color (Color Code is the last 2 digits of the Ordering No.)	01   05   09			01   05   09		
<b>Dimensions (mm)</b>	<b>W / L / H</b>			<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	25.5/85.5/94			31/102/112.5		
Width/Length/Height, TH 35-15	2.5/85.5/101.5			31/102/120		
<b>Connection capacity</b>						
Rigid Solid (mm <sup>2</sup> )	6-16			6-16		
Rigid stranded (mm <sup>2</sup> )	6-95			6-150		
Flexible (mm <sup>2</sup> )	10-95			10-150		
American Wire Gauge (AWG)	10-3/0			10-300 (Kcmil)		
<b>IEC test gauge</b>	<b>B12</b>			<b>B14</b>		
Stripping length (mm)	24.5			27		
<b>Clamping screw</b>	<b>M8</b>			<b>M10</b>		
Tightening torque (N.m)	14			18-22		
<b>Insulation material</b>	<b>PA</b>			<b>PA</b>		



**RAAD**  <sup>®</sup> Electrical Connection for  
Technological Components  
*Confidence in Connection*



# 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 mm<sup>2</sup> 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 <sup>2</sup>	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

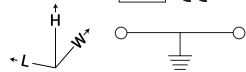
\* Copper or aluminium alloys selected by the manufacturer of terminal block assembly to achieve the values in the table.

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



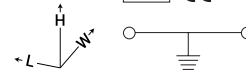
**RT/SU2.5-E**

(RET2.5)



**RT/SU4-E**

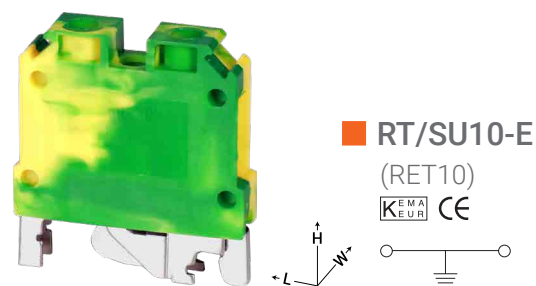
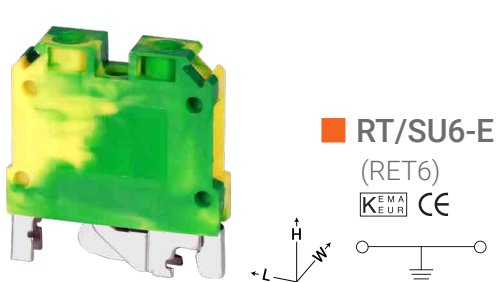
(RET4)



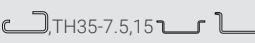






IEC 60947-7-2 rated data	RT/SU2.5-E	RT/SU4-E
Impulse voltage (kV)	6	6
Pollution degree/Voltage category/Material group	3/III/1	3/III/1
Current (A)	-	-
Cross section (mm <sup>2</sup> )	2.5	4

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on G 32 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 <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	PA



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 <sup>2</sup> )	6	10

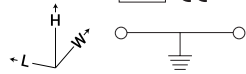
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on G 32 	RT/SU6-E	6010601003	25	RT/SU10-E	6010601004	25
Marking Tags 	NS8	For details see Accessories		NS10	For details see Accessories	
Marking Holder 	Marking Holder	6032100001	10	Marking Holder	6032100001	10
Strip 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 <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	PA



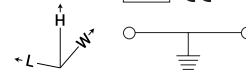
**RT/SU16-E**

(RET16)



**RT/SU35-E**

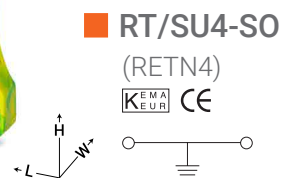
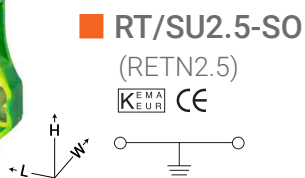
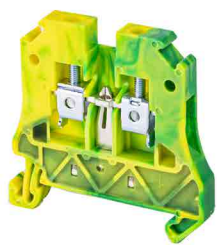
(RET35)



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 <sup>2</sup> )	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 <sup>2</sup> )	0.5-16	1.5-16
Rigid stranded (mm <sup>2</sup> )	0.5-16	1.5-35
Flexible (mm <sup>2</sup> )	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



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 <sup>2</sup> )	2.5	4

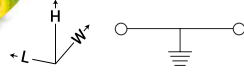
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SU2.5-SO	6010602001	50	RT/SU4-SO	6010602002	50
End plate Width (mm)	EP-RETN2.5-10 1.2	6020206001	50	EP-RETN2.5-10 1.2	6020206001	50
Partition Width (mm)	P-RETN2.5-10 1.6	6020301105	50	P-RETN2.5-10 1.6	6020301105	50
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 <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 / 0.4-0.6	M3 / 0.5
Insulation material	PA	PA



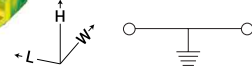
### RT/SU6-SO

(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 <sup>2</sup> )	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	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	0.6x3.5	-	-	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 <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
Insulation material	PA	PA



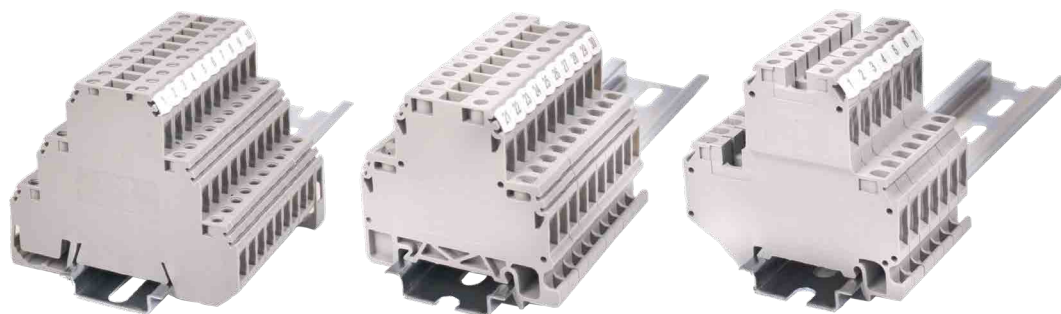


**RAAD**  <sup>®</sup> Electrical Connection for  
Technological Components

*Confidence in Connection*



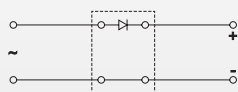
# Multi Level Terminal Blocks



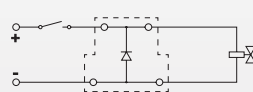
## This section consists of double-level (RT/SU-2L Series) and three-level (RT/SU3L series) terminal blocks.

RAAD screw multi-Level terminal blocks enjoy the space-saving benefit, and the following advantages are met:

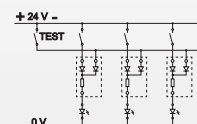
- As for foot connection, RAAD screw multi-level terminals can be mounted on the TH35 mounting rail.
  - Terminal block type RT/SU-2L-L has four accessible input/output connecting ports by an internal link between two upper and lower levels. These terminals can be used as distributed terminals same as one to three or one to two branches, in the equipotential circuits, RT/SU4-2L-L can also be connected to adjacent terminals, through cross-connection in the lower level.
  - It is remarkable in RT/SU4-2L that due to its double wiring density, the upper level is offset laterally by half of the terminal block width due to effective accessibility of the lower level, and better view of lower labels and entry points.
  - The end plates of RT/SU4-2L compensate for the level offset at the beginning and end of the terminal strips. Thus other terminal blocks align directly.
  - RT/SU-3L and RT/SU-3L0E5 terminal blocks were specially developed for space-saving wiring in three wired elements such as motors and sensors, e.g. phase-neutral-earth connection or positive-negative-earth/shield connection.
  - In designing RT/SU2.5-2L-L, RT/SU4-2L-L, special capabilities are offered for installing electronic elements. RAAD double-Level terminal blocks are used
    - for voltage rectifying, monitoring, electronic elements, fine switching, and test circuits.
- Furthermore, a number of circuits, in which the terminals are applied, are offered (for details see diagrams as follows). Any other type of circuit is offered on request.
- Different colors are available upon request.
  - RAAD three-level terminal block was specially developed for space-saving wiring in 3 wired elements such as motors and sensors, e.g. phaseneutral-earth connection or positive-negative-earth / shield connection



Example for rectifying purposes

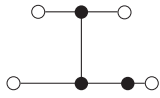


Example for fine switching a DC load

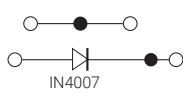


Example for lamp test circuit

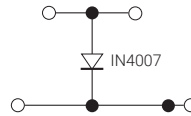
- Some of the circuits designed by using small components in the RAAD double-Level terminal blocks given as below:



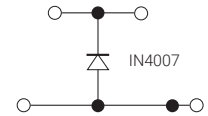
RT/SU4-2L-L



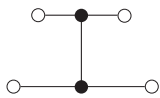
RT/SU4-2L-D1



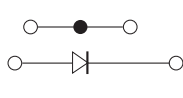
RT/SU4-2L-D2



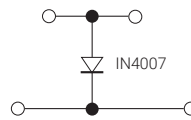
RT/SU4-2L-D3



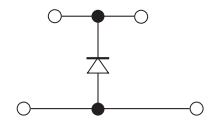
RT/SU2.5/4-2L-L



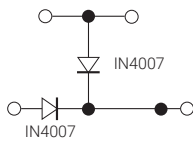
RT/SU2.5/4-2L-D1



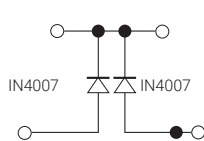
RT/SU2.5/4-2L-D2



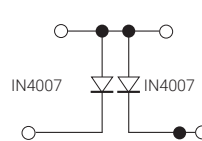
RT/SU2.5/4-2L-D3



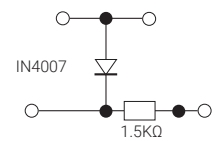
RT/SU4-2L-D4



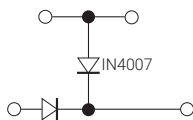
RT/SU4-2L-D5



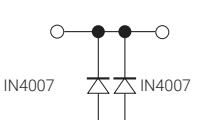
RT/SU4-2L-D6



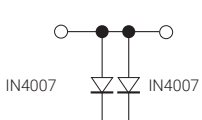
RT/SU4-2L-DR1



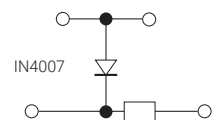
RT/SU2.5/4-2L-D4



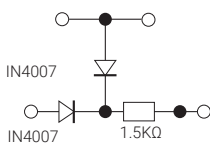
RT/SU2.5/4-2L-D5



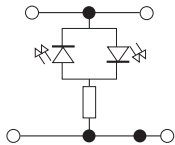
RT/SU2.5/4-2L-D6



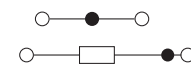
RT/SU2.5/4-2L-DR1



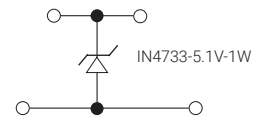
RT/SU4-2L-DR2



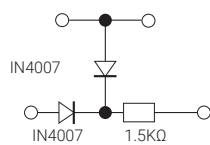
RT/SU4-2L-LD



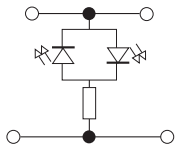
RT/SU4-2L-R1



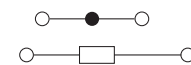
RT/SU4-2L-DZ3



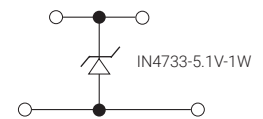
RT/SU2.5/4-2L-DR2



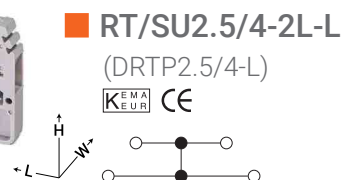
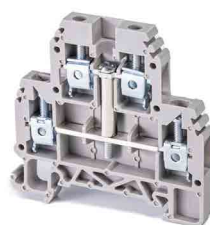
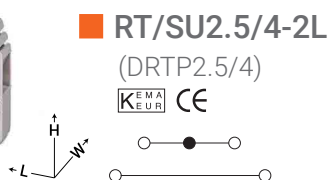
RT/SU2.5/4-2L-LD



RT/SU2.5/4-2L-R1



RT/SU2.5/4-2L-DZ3



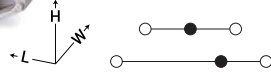
IEC 60947-7-1 rated data	RT/SU2.5/4-2L	RT/SU2.5/4-2L-L
Voltage(V)/Impulse voltage (kV)	500 / 6	500 / 6
Pollution degree/Voltage category /Material group	3/III/I	3/III/I
Current (A)	32	32
Cross-section (mm <sup>2</sup> )	4	4

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SU2.5/4-2L	6010728005	50	RT/SU2.5/4-2L-L	6010729005	50
End plate Width (mm)	EP-DRTP2.5/4 1.2	6020203001	20	EP-DRTP2.5/4 1.2	6020203001	20
Partition width (mm)	GP 3	6020305005	20	GP 3	6020305005	20
End bracket, for TH 35-7.5, 15 width (mm)	EB/3 10	6020101003	50	EB/3 10	6020101003	50
End bracket for mounting on G 32 TH35-7.5,15 Width (mm)	EB/2 10	6020101002	50	EB/2 10	6020101002	50
Cross-connection	CC10-2.5 10-pos. CC3-2.5 3-pos. CC2-2.5 2-pos.	6020502009 6020502002 6020502001	10 50 50	-	-	-
max. current (A)	24					
Bridge-comb	BC 10-2.5 10-pos. BC 3-2.5 3-pos. BC 2-2.5 2-pos.	6020504009 6020504002 6020504001	10 50 50	BC 10-2.5 10-pos. BC 3-2.5 3-pos. BC 2-2.5 2-pos.	6020504009 6020504002 6020504001	10 50 50
max. current (A)	24					
Test Socket	TS3/6/2.3	6020402001	50	-	-	-
Screw Driver	0.5X3	-	-	0.5X3	-	-
Marking Tags	NS6	For details see Accessories		NS6	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						
<b>Dimensions (mm)</b>	<b>W / L / H</b>			<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	6/57.5/57.5			6/57.5/57.5		
Width/Length/Height, TH 35-15	6/57.5/65			6/57.5/65		
<b>Connection capacity</b>						
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> )	0.5-4			0.5-4		
American Wire Gauge (AWG)	20-12			20-12		
<b>IEC test gauge</b>	<b>A4</b>			<b>A4</b>		
Stripping length (mm)	9			9		
<b>Clamping screw</b>	<b>M2.5</b>			<b>M2.5</b>		
Tightening torque (N.m)	0.4			0.4		
<b>Insulation material</b>	<b>PA</b>			<b>PA</b>		



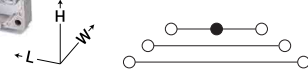
### RT/SU4-2L

(DRTP4)



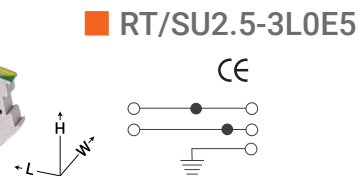
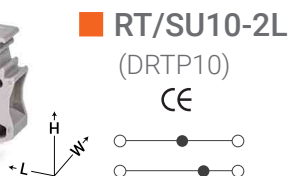
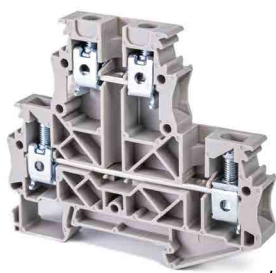
### RT/SU4-3L

(TRTP4)



IEC 60947-7-1 rated data	RT/SU2.5-2L	RT/SU4-3L
Voltage(V)/Impulse voltage (kV)	500 / 6	400 / 6
Pollution degree/Voltage category/Material group	3/III/1	3/III/1
Current (A)	32	32
Cross-section (mm <sup>2</sup> )	4	4

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SU4-2L	60107010	50	RT/SU4-3L	6010750005	25
End plate 1 width (mm)	EP1-DRTP4 1.5	6020203002	20	-	-	-
End plate 2 width (mm)	EP2-DRTP4 1.5	6020203003	20	-	-	-
End plate 3 width (mm)	EP3-DRTP4 2.5	6020203004	20	-	-	-
Partition width (mm)	P-DRTP4 2.5	6020302001	20	-	-	-
Partition width (mm)	-	-	-	GP 3	6020305005	20
Small partition no loss of pitch	SP-D4	6020304004	100	-	-	-
End bracket for G32 TH TH35-7.5,15 width (mm)	EB/2 10	6020101002	50	EB/2 10	6020101002	50
Cross-connection	CC10-D4 10-pos. 6020503009 CC3-D4 3-pos. 6020503002 CC2-D4 2-pos. 6020503001	10 10 50	10 10 50	CC10-D4 10-pos. 6020503009 CC3-D4 3-pos. 6020503002 CC2-D4 2-pos. 6020503001	10 10 50	10 10 50
max. current (A)	32			32		
Bridge-comb	BC10-4 10-pos. 6020504109 BC3-4 3-pos. 6020504102 BC2-4 2-pos. 6020504101	10 50 50	10 50 50	BC10-4 10-pos. 6020504109 BC3-4 3-pos. 6020504102 BC2-4 2-pos. 6020504101	10 50 50	10 50 50
max. current (A)	32			32		
Test Socket	TS3/6/2.3	6020402001	50	TS3/6/2.3	6020402001	50
Screw Driver	0.5X3	-	-	0.5X3	-	-
Marking Tags	NS6.4	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 (Color Code is the last 2 digits of the Ordering No.)						
<b>Dimensions (mm)</b>	<b>W / L / H</b>			<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	6.4/68.5/67.5			6.4/78.5/68		
Width/Length/Height, TH 35-15	6.4/68.5/75			6.4/78.5/75.5		
<b>Connection capacity</b>						
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> )	0.5-4			0.5-4		
American Wire Gauge (AWG)	20-12			20-12		
<b>IEC test gauge</b>	<b>A4</b>			<b>A4</b>		
Stripping length (mm)	9			9		
<b>Clamping screw</b>	<b>M2.5</b>			<b>M2.5</b>		
Tightening torque (N.m)	0.4			0.4-0.6		
<b>Insulation material</b>	<b>PA</b>			<b>PA</b>		



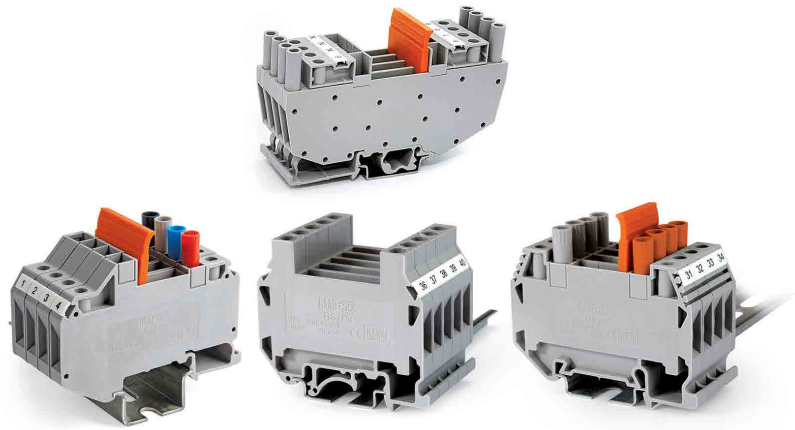
IEC 60947-7-1 rated data	RT/SU10-2L	RT/SU2.5-3LOE5
Voltage(V)/Impulse voltage (kV)	800 / 8	400 / 6
Pollution degree/Voltage category /Material group	3/III/I	3/III/I
Current (A)	57	24
Cross-section (mm <sup>2</sup> )	10	2.5

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SU10-2L	6010740005	25	RT/SU2.5-3LOE5	6010603001	35
End plate	EP- RT/SU10-2L	6020203020	20	EP-RT/SU2.5-3LOE5	6020206002	20
Width (mm)	1.2			1		
End bracket for G32 TH 35-15	EB/2 10	6020101002	50	EB/2 10	6020101002	50
Cross-connection	CC10-10 10-pos. CC3-10 3-pos. CC2-10 2-pos. 57	6020502309 6020502302 6020502301	10 50 50	CC10-2.5 10-pos. CC3-2.5 3-pos. CC2-2.5 2-pos. 24	6020503009 6020503002 6020503001	- - -
max. current (A)						
Bridge-comb	-	-	-	BC 10-2.5 10-pos. BC 3-2.5 3-pos. BC 2-2.5 2-pos. 24	6020504009 6020504002 6020504001	10 50 50
max. current (A)						
Test Socket	TS3/8/4	6020402002	50	TS3/6/2.3	-	-
Screw Driver	1.0*4.0	-	-	0.5X3	-	-
Marking Tags	NS10	For details see Accessories		NS6	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						
<b>Dimensions (mm)</b>	<b>W / L / H</b>			<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	10/87/73.5			6/82.5/64.5		
Width/Length/Height, TH 35-15	10/87/81			6/82.5/72		
<b>Connection capacity</b>						
Rigid Solid (mm <sup>2</sup> )	0.5-16			0.5-4		
Rigid stranded (mm <sup>2</sup> )	0.5-16			0.5-4		
Flexible (mm <sup>2</sup> )	0.5-10			0.5-2.5		
American Wire Gauge (AWG)	20-6			20-12		
<b>IEC test gauge</b>	<b>B6</b>			<b>A4</b>		
Stripping length (mm)	12			9		
<b>Clamping screw</b>	<b>M4</b>			<b>M2.5</b>		
Tightening torque (N.m)	1.5-1.8			0.5-0.6		
<b>Insulation material</b>	<b>PA</b>			<b>PA</b>		



**RAAD**  <sup>®</sup> Electrical Connection for  
Technological Components  
*Confidence in Connection*

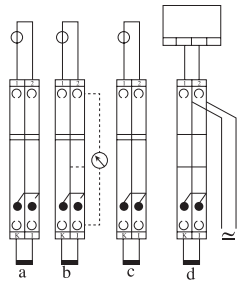
# Test Disconnect Terminal Blocks



RAAD test disconnect terminal blocks are used in measuring, control and remote-controlled systems.

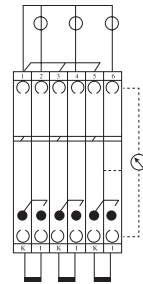
RT/ST6 series accompanied by their relating accessories, can be mounted in all types of circuits specified in this field, including secondary circuits for current transformers.

The following electrical circuits show examples of the application of RT/ST6 series products in the electrical industry.

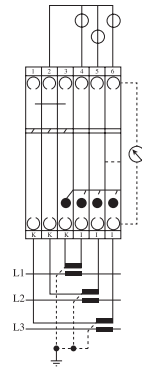


Simple current transformer test circuit:

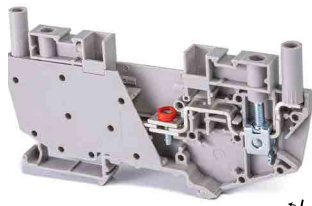
- a= Normal operation
- b= Measured value testing
- c= Transformer testing
- d= Relay testing



Three-phase transducer test set

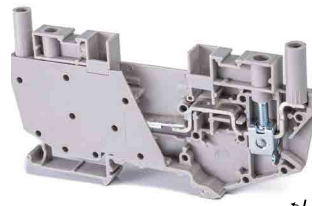


Three-phase linked transducer test set



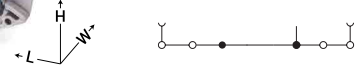
### RT/ST6

(RST6)



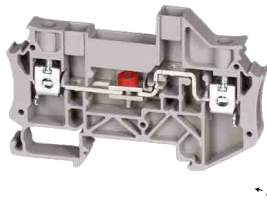
### RT/ST6-L

(RTT6)



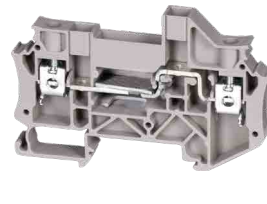
IEC 60947-7-1 rated data	RT/ST6			RT/ST6-L		
Voltage (V)	400			400		
Impulse voltage (kV)	6			6		
Pollution degree/Voltage category/Material group	3/III/1			3/III/1		
Current (A)	41			41		
Cross-section (mm <sup>2</sup> )	6			6		
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/ST6	6010301001	20	RT/ST6-L	6010305001	20
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8	6020101006	50	EB/4 8	6020101006	50
	EB/3 10	6020101003	50	EB/3 10	6020101003	50
	EB/1 9.5	6020101001	50	EB/1 9.5	6020101001	50
Moveable cross-connection, for 4 terminal blocks, with 4 screws	ML4N 4-pos.	6020602003	50	ML4N 4-pos.	6020602003	50
Moveable cross-connection, for 3 terminal blocks, with 3 screws	ML3N 3-pos.	6020602002	50	ML3N 3-pos.	6020602002	50
Moveable cross-connection, for 2 terminal blocks, with 2 screws	ML2N 2-pos.	6020602001	50	ML2N 2-pos.	6020602001	50
max. current (A)	32			32		
Cross-connection	CC10-6 10-pos.	6020502209	10	CC10-6 10-pos.	6020502209	10
	CC3-6 3-pos.	6020502202	50	CC3-6 3-pos.	6020502202	50
	CC2-6 2-pos.	6020502201	50	CC2-6 2-pos.	6020502201	50
max. current (A)	41			41		
Bridge-comb	JEB10-6 10-pos.	6020506009	10	JEB10-6 10-pos.	6020506009	10
	JEB3-6 3-pos.	6020506002	50	JEB3-6 3-pos.	6020506002	50
	JEB2-6 2-pos.	6020506001	50	JEB2-6 2-pos.	6020506001	50
max. current (A)	41			41		
Test Socket	TS6	6020401005	50	TS6	6020401005	50
Screw Driver	0.6x3.5 0.5x3	-	-	0.6x3.5 -	-	-
Marking Tags	NS8	For details see Accessories		NS8	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	8/107/64			8/107/64		
Width/Length/Height, TH 35-15	8/107/71.5			8/107/71.5		
Connection capacity						
Rigid Solid (mm <sup>2</sup> )	0.5-10			0.5-10		
Rigid stranded (mm <sup>2</sup> )	0.5-10			0.5-10		
Flexible (mm <sup>2</sup> )	0.5-6			0.5-6		
American Wire Gauge (AWG)	20-8			20-8		
IEC test gauge	A5			A5		
Stripping length (mm)	12			12		
Clamping screw/Tightening torque (N.m)	M3.5 / 1.2			M3.5 / 1.2		
Center screw/Tightening torque (N.m)	M3 / 0.5			-		
Insulation material	PA			PA		





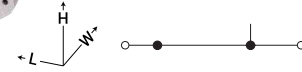
### RT/ST6-SHT

(RSTT6)

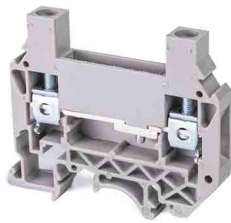


### RT/ST6-SHT-L

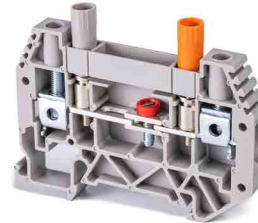
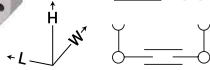
(RSTU6)



IEC 60947-7-1 rated data	RT/ST6-SHT			RT/ST6-SHT-L		
Voltage (V)	400			400		
Impulse voltage (kV)	6			6		
Pollution degree/Voltage category/Material group	3/III/I			3/III/I		
Current (A)	41			41		
Cross-section (mm <sup>2</sup> )	6			6		
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/ST6-SHT	6010303001	25	RT/ST6-SHT-L	6010305001	25
End Plate width (mm)	EP-RSTT6 1.5	6020201003	50	EP-RSTT6 1.5	6020201003	50
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8 EB/3 10 EB/1 9.5	6020101006 6020101003 6020101001	50 50 50	EB/4 8 EB/3 10 EB/1 9.5	6020101006 6020101003 6020101001	50 50 50
Moveable cross-connection, for 4 terminal blocks, with 4 screws Moveable cross-connection, for 3 terminal blocks, with 3 screws Moveable cross-connection, for 2 terminal blocks, with 2 screws	ML4N 4-pos. ML3N 3-pos. ML2N 2-pos.	6020602003 6020602002 6020602001	50 50 50	ML4N 4-pos. ML3N 3-pos. ML2N 2-pos.	6020602003 6020602002 6020602001	50 50 50
max. current (A)	32			32		
Cross-connection	CC10-6 10-pos. CC3-6 3-pos. CC2-6 2-pos.	6020502209 6020502202 6020502201	10 50 50	CC10-6 10-pos. CC3-6 3-pos. CC2-6 2-pos.	6020502209 6020502202 6020502201	10 50 50
max. current (A)	41			41		
Bridge-comb	JEB10-6 10-pos. JEB3-6 3-pos. JEB2-6 2-pos.	6020506009 6020506002 6020506001	10 50 50	JEB10-6 10-pos. JEB3-6 3-pos. JEB2-6 2-pos.	6020506009 6020506002 6020506001	10 50 50
max. current (A)	41			41		
Test Socket	TS6	6020401005	50	TS6	6020401005	50
Screw Driver	0.6x3.5 0.5x3	-	-	0.6x3.5 -	-	-
Marking Tags		NS8	For details see Accessories	NS8	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	8/81/56			8/81/56		
Width/Length/Height, TH 35-15	8/81/63.5			8/81/63.5		
Connection capacity						
Rigid Solid (mm <sup>2</sup> )	0.5-10			0.5-10		
Rigid stranded (mm <sup>2</sup> )	0.5-10			0.5-10		
Flexible (mm <sup>2</sup> )	0.5-6			0.5-6		
American Wire Gauge (AWG)	20-8			20-8		
IEC test gauge	A5			A5		
Stripping length (mm)	12			12		
Clamping screw/Tightening torque (N.m)	M3.5 / 1.2			M3.5 / 1.2		
Center screw/Tightening torque (N.m)	M3 / 0.5			-		
Insulation material	PA			PA		

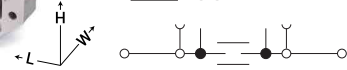




















RT/SP6



RT/ST6-CMP

(RSTN6)



IEC 60947-7-1 rated data		RSTP6			RT/ST6-CMP		
Voltage (V)		500			400		
Impulse voltage (kV)		6			6		
Pollution degree/Voltage category/Material group		3/III/I			3/III/I		
Current (A)		41			41		
Cross-section (mm <sup>2</sup> )		6			6		
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.	
Terminal block, for mounting on G 32  TH 35-7.5, 15 	RSTP6	6010301001	25	RT/ST6-CMP	6010306001	25	
End Plate 	EP-RSTP6	6020201004	50	-	-	-	
width (mm)	1.5						
End Plate 	-	-	-	EP-RSTN6 1.5	6020201006	50	
width (mm)							
End bracket, for TH 35-7.5, 15  width (mm)	 EB/4 8  EB/3 10  EB/1 9.5	6020101006 6020101003 6020101001	50 50 50	EB/4 8 EB/3 10 EB/1 9.5	6020101006 6020101003 6020101001	50 50 50	
Moveable cross-connection, for 4 terminal blocks, with 4 screws 	-	-	-	L4 4-pos.	6020501003	50	
Moveable cross-connection, for 3 terminal blocks, with 3 screws 	-	-	-	L3 3-pos.	6020501002	50	
Moveable cross-connection, for 2 terminal blocks, with 2 screws max. current (A) 	-	-	-	L2 2-pos. 41	6020501001	50	
Cross-connection 	-	-	-	CC10-6 10-pos. CC3-6 3-pos. CC2-6 2-pos. 41	6020502209 6020502202 6020502201	10 50 50	
max. current (A)							
Bridge-comb 	JEB10-6 10-pos. JEB3-6 3-pos. JEB2-6 2-pos. 41	6020506009 6020506002 6020506001	10 50 50	JEB10-6 10-pos. JEB3-6 3-pos. JEB2-6 2-pos. 41	6020506009 6020506002 6020506001	10 50 50	
max. current (A)							
Test Socket 	-	-	-	TS3-26-4	6020401100	50	
Screw Driver 	1.0 x 5.5	-	-	0.6 x 3.5 0.5 x 3	-	-	
Marking Tags 	NS8	For details see Accessories		NS8	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 / 63 / 54.8			8 / 70.2 / 50			
Width/Length/Height, TH 35-15	8/63/55			8/70.2/50.5			
Width/Length/Height, G32	8/63/62.5			8/70.2/58			
Connection capacity							
Rigid Solid (mm <sup>2</sup> )/ Rigid stranded (mm <sup>2</sup> )	0.5-10			0.5-10			
Flexible (mm <sup>2</sup> )	0.5-6			0.5-6			
American Wire Gauge (AWG)	20-8			20-8			
IEC test gauge	A5			A5			
Stripping length (mm)	12			12			
Clamping screw/Tightening torque (N.m)	M3.5/1.2			M3.5/1.2			
Center screw/Tightening torque (N.m)	M3/0.5			M3/0.5			
Insulation material	PA			PA			





Electrical Connection for  
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# Disconnect & Component Terminal Blocks



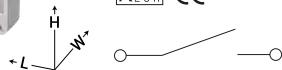
RAAD disconnect and component terminal blocks can be used in measurement and control systems. The characteristics of the RT/SK2.5 series are described below:

- The RT/SK2.5 series can quickly and safely disconnect the current path for safe maintenance.
- RT/SK2.5-TS is characterized by a test socket used for measuring and monitoring circuits.
- In addition to switching the circuits, RT/SK2.5-D can be used as a diode terminal block, and RT/SK2.5-R can be used as a resistor terminal block.
- According to customer requirements, RT/SK2.5 has the capability of mounting any other components such as a resistor, a capacitor, and etc.



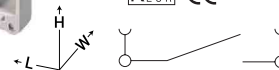
### RT/SK2.5

(RDT2.5-C)



### RT/SK2.5-TS

(RDT2.5-CTS)

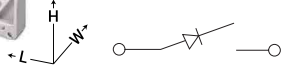


IEC 60947-7-1 rated data	RT/SK2.5	RT/SK2.5-TS
Voltage (V)	500	500
Impulse voltage (kV)	6	6
Pollution degree/Voltage category/Material group	3/III/1	3/III/1
Current (A)	17.5	17.5
Cross-section (mm <sup>2</sup> )	2.5	2.5
Max current (A)	20	20

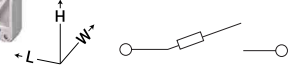
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SK2.5	60108010□□	50	RT/SK2.5-TS With test socket screw	60108010□□	50
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8	6020101006	50	EB/4 8	6020101006	50
	EB/3 10	6020101003	50	EB/3 10	6020101003	50
	EB/1 9.5	6020101001	50	EB/1 9.5	6020101001	50
Bridge-comb	BC 10-2.5 10-pos.	6020504009	10	BC 10-2.5 10-pos.	6020504009	10
	BC 3-2.5 3-pos.	6020504002	50	BC 3-2.5 3-pos.	6020504002	50
	BC 2-2.5 2-pos.	6020504001	50	BC 2-2.5 2-pos.	6020504001	50
Screw Driver	0.5x3	-	-	0.5x3	-	-
Marking Tags	NS6	For details see Accessories		NS6	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 (Color Code is the last 2 digits of the Ordering No.)		01	20		06	22
<b>Dimensions (mm)</b>	<b>W / L / H</b>			<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	6/45.2/48			6/45.2/48		
Width/Length/Height, TH 35-15	6/45.2/55.5			6/45.2/55.5		
<b>Connection capacity</b>						
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> )	0.5-4			0.5-4		
American Wire Gauge (AWG)	20-12			20-12		
<b>IEC test gauge</b>	<b>A4</b>			<b>A4</b>		
Stripping length (mm)	12			12		
<b>Clamping screw</b>	<b>M2.5</b>			<b>M2.5</b>		
Tightening torque (N.m)	0.4-0.6			0.4-0.6		
<b>Insulation material</b>	<b>PA</b>			<b>PA</b>		



**RT/SK2.5-D**  
(RDT2.5-CDC)



**RT/SK2.5-R**  
(RDT2.5-CRC)



IEC 60947-7-1 rated data	RT/SK2.5-D	RT/SK2.5-R
Voltage (V)	500	500
Impulse voltage (kV)	6	6
Diode reverse voltage (V)	1000	-
Current (A)	1*	17.5**
Diode	1N4007	-
Cross-section (mm <sup>2</sup> )	2.5	2.5

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SK2.5-D	6010801002	25	RT/SK2.5-R	6010801007	25
End bracket, for TH 35-7.5, 15 width (mm)	EB/2 10	6020101002	50	EB/2 10	6020101002	50
Bridge-comb	BC 10-2.5 10-pos. BC 3-2.5 3-pos. BC 2-2.5 2-pos.	6020504009 6020504002 6020504001	10 50 50	BC 10-2.5 10-pos. BC 3-2.5 3-pos. BC 2-2.5 2-pos.	6020504009 6020504002 6020504001	10 50 50
Screw Driver	0.5x3	-	-	0.5x3	-	-
Marking Tags	NS6	For details see Accessories		NS6	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						
<b>Dimensions (mm)</b>	<b>W / L / H</b>			<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	6/45.2/67.5			6/45.2/67.5		
Width/Length/Height, TH 35-15	6/45.2/75			6/45.2/75		
<b>Connection capacity</b>						
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> )	0.5-4			0.5-4		
American Wire Gauge (AWG)	20-12			20-12		
<b>IEC test gauge</b>	<b>A4</b>			<b>A4</b>		
Stripping length (mm)	12			12		
<b>Clamping screw</b>	<b>M2.5</b>			<b>M2.5</b>		
Tightening torque (N.m)	0.4-0.6			0.4-0.6		
<b>Insulation material</b>	<b>PA</b>			<b>PA</b>		

\*The maximum operating current is up to 1A when using diodes.

\*\* Consider the rated power of resistor

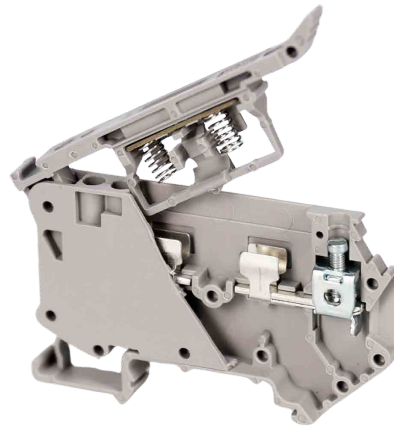


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# Fuse Terminal Blocks



All electrical control systems and machines must be protected with fuse cartridges, thus fuse terminal blocks have been developed to meet some requirements.

RAAD fuse terminals are available in two types, RT/SF4 and RT/SK2.5-F, which have the following characteristics:

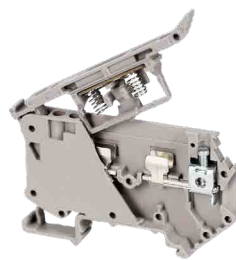
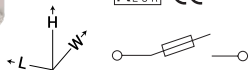
- RT/SF4 with base terminal block and top hinge type fuse carrier performs the function of protecting electrical systems with fuses.
- The RT/SF4-LD is equipped with a light indicator that signalizes when the fuse blows.
- The terminal type RT/SK2.5-F (and RT/SK2.5-FLD) has the advantage of easily removing and replacing the cap (and the fuse) as well as isolation of the fuse signal circuit from the terminal block base when detaching the cap.
- The below table shows the maximum power dissipation of different fuse terminal blocks at 23°C according to IEC 60947-7-3:

Type	Overload & short circuit protection		Exclusive short circuit protection	
	Separate	Compound	Separate	Compound
RT/SF4	1.6 watt	1.6 watt	4 watt	1.6 watt
RT/SK2.5-F	2.5 watt	1.6 watt	4 watt	2.5 watt



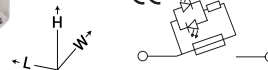
### RT/SF4

(RFT5)



### RT/SF4-LD

(RFT5-LD)



IEC 60947-7-3 rated data	RT/SF4	RT/SF4-LD
Voltage (V)	800	-
Impulse voltage (kV)	8	-
Pollution degree/ Voltage category/Material group	3/III/1	3/III/1
Current (A)	6.3	6.3
Cross-section (mm <sup>2</sup> )	4	4

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.												
Terminal block, for mounting on TH 35-7.5, 15	RT/SF4	60102010	25	RT/SF4-LD 24,48VAC/DC*	60102020	25												
				110,220 VAC/DC*	60102020	25												
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8	6020101006	50	EB/4 8	6020101006	50												
	EB/3 10	6020101003	50	EB/3 10	6020101003	50												
	EB/1 9.5	6020101001	50	EB/1 9.5	6020101001	50												
Bridge-comb	JEB10-6 10-pos.	6020506009	10	JEB10-6 10-pos.	6020506009	10												
	JEB3-6 3-pos.	6020506002	50	JEB3-6 3-pos.	6020506002	50												
	JEB2-6 2-pos.	6020506001	50	JEB2-6 2-pos.	6020506001	50												
max. current (A)	41			41														
Screw Driver	0.5x3	-	-	0.5x3	-	-												
Marking Tags	NS8	For details see Accessories		NS8	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 (Color Code is the last 2 digits of the Ordering No.)				<table border="1"> <thead> <tr> <th>Type</th> <th>01</th> <th>03</th> <th>05</th> </tr> </thead> <tbody> <tr> <td>24,48 VAC/DC</td> <td>01</td> <td>03</td> <td>05</td> </tr> <tr> <td>110,220 VAC/DC</td> <td>02</td> <td>04</td> <td>06</td> </tr> </tbody> </table>			Type	01	03	05	24,48 VAC/DC	01	03	05	110,220 VAC/DC	02	04	06
Type	01	03	05															
24,48 VAC/DC	01	03	05															
110,220 VAC/DC	02	04	06															

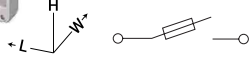
Dimensions (mm)	W / L / H	W / L / H
Width/Length/Height, TH 35-7.5	8/76.5/56	8/76.5/56
Width/Length/Height, TH 35-15	8/76.5/63.5	8/76.5/63.5
Connection capacity		
Rigid Solid (mm <sup>2</sup> )	0.5-4	0.5-4
Rigid stranded (mm <sup>2</sup> )	0.5-4	0.5-4
Flexible (mm <sup>2</sup> )	0.5-4	0.5-4
American Wire Gauge (AWG)	20-12	20-12
IEC test gauge	A4	A4
Stripping length (mm)	12	12
Clamping screw	M3	M3
Tightening torque (N.m)	0.5	0.5
Insulation material	PA	PA

\* Other voltages available Upon request



### RT/SK2.5-F

(RDT2.5-CFC)



### RT/SK2.5-FLD

(RDT2.5-CFCLD)



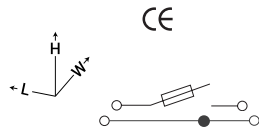
IEC 60947-7-3 rated data	RT/SK2.5-F	RT/SK2.5-FLD
Voltage (V)	500	-
Impulse voltage (kV)	6	-
Pollution degree/Voltage category/Material group	3/III/I	3/III/I
Current (A)	6.3	6.3
Cross-section (mm <sup>2</sup> )	2.5	2.5

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SK2.5-F	60108010	25	RT/SK2.5-FLD 24,48 VAC/DC* 110,220 VAC/DC*	6010801004 6010801005	25 25
End bracket, for TH 35-7.5, 15 width (mm)	EB/2 10	6020101002	50	EB/2 10	6020101002	50
Bridge-comb	BC 10-2.5 10-pos. BC 3-2.5 3-pos. BC 2-2.5 2-pos.	6020504009 6020504002 6020504001	10 50 50	BC 10-2.5 10-pos. BC 3-2.5 3-pos. BC 2-2.5 2-pos.	6020504009 6020504002 6020504001	10 50 50
Screw Driver	0.5x3	-	-	0.5x3	-	-
Marking Tags	NS6	For details see Accessories		NS6	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 (Color Code is the last 2 digits of the Ordering No.)				Type 24,48 VAC/DC 110,220 VAC/DC		
<b>Dimensions (mm)</b>	<b>W / L / H</b>			<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	6/45.2/67.5			6/45.2/67.5		
Width/Length/Height, TH 35-15	6/45.2/75			6/45.2/75		
<b>Connection capacity</b>						
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> )	0.5-4			0.5-4		
American Wire Gauge (AWG)	20-12			20-12		
<b>IEC test gauge</b>						
Stripping length (mm)	12			12		
<b>Clamping screw</b>						
Tightening torque (N.m)	0.4-0.6			0.4-0.6		
<b>Insulation material</b>						
	PA			PA		

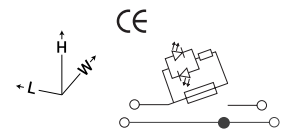
\* Other Voltages available Upon request



RT/SF4-2L



RT/SF4-2L-LD



IEC 60947-7-1 rated data IEC 60947-7-3	RT/SF4-2L	RT/SF4-2L-LD
Voltage (V)/Impulse voltage(kV)	500/6	-
Pollution degree/Voltage category/Material group	3/III/1	3/III/1
Above level current/ Below level current (A)	6.3/32	6.3/32
Maximum conductor cross-section (mm <sup>2</sup> )	6	6
Cross-section (mm <sup>2</sup> )	4	4

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SF4-2L	6010204001	20	RT/SF4-2L-LD 24,48 VAC/DC 110,220 VAC/DC	6010204002 6010204003	20
End plate	EP-RT/SF4-2L			EP-RT/SF4-2L		
Width (mm)	1.2	6020207001	20	1.2	6020207001	20
Partition width (mm)	GP 3	6020305005	20	GP 3	6020305005	20
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8	6020101006	50	EB/4 8	6020101006	50
	EB/3 10	6020101003	50	EB/3 10	6020101003	50
	EB/2 10	6020101002	50	EB/2 10	6020101002	50
	EB/1 9.5	6020101001	50	EB/1 9.5	6020101001	50
Bridge screwless	BS10-6 10-pos. BS3-6 3-pos. BS2-6 2-pos.	6020505109 6020505102 6020505101	20 20 20	BS10-6 10-pos. BS3-6 3-pos. BS2-6 2-pos.	6020505109 6020505102 6020505101	20 20 20
max. current (A)	41			41		
Bridge-comb	JEB10-6 JEB3-6 JEB2-6	6020506009 6020506002 6020506001	20 20 20	JEB10-6 JEB3-6 JEB2-6	6020506009 6020506002 6020506001	20 20 20
max. current (A)	41			41		
Screw Driver	0.5x3.0	-	-	0.5x3.0	-	-
Marking Tags	NS8	For details see Accessories		NS8	For details see Accessories	
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	8/72.4/64.3	8/72.4/64.3
Width/Length/Height, TH 35-15	8/72.4/71.8	8/72.4/71.8
Connection capacity		
Rigid Solid (mm <sup>2</sup> )	0.5-6	0.5-6
Rigid stranded (mm <sup>2</sup> )	0.5-6	0.5-6
Flexible (mm <sup>2</sup> )	0.5-4	0.5-4
American Wire Gauge (AWG)	20-10	20-10
IEC test gauge	A4	A4
Stripping length (mm)	10	10
Clamping screw	M2.6	M2.6
Tightening torque (N.m)	0.6	0.6
Insulation material	PA	PA



YZC-516C  
200Kg  
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## Screw Connections

This is the most popular of all known methods of connection. No other connection method allows such high contact forces to be produced in such a small space as a screw. RAAD terminal block screw connection is easy to operate with a standard screwdriver, suitable for all types of conductors without special preparation, absolutely gas tight and vibration proof.

## Reliable Clamping

Most RAAD products use a clamping unit system which has been proven millions of times, world-wide. The clamping units as well as clamping screws are produced from hardened steel. When the clamping screw is tightened, the resultant force causes the upper thread overlap to spring open, thus causing a locking action to be exerted on the screw and an excellent resistance against vibration is achieved.

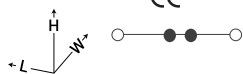
## RT/SG series:

The RT/SG series is a terminal with a screw clamping structure, and it uses a push-type bridge, which has the following advantages:

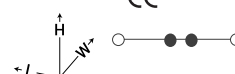
- Space-saving design, optimizing handling and easy assembling
- High assembly speed due to use of the push-type bridge
- The ability to connect unlimited terminal blocks to each other through two row push-type bridge
- Easy and strong snap on connection to TH35 rails
- Body compatibility in all ranges
- Comply with a comprehensive range of accessories, marking and bridging
- Made of PA insulating material



**RT/SG2.5**  
(RTX2.5)



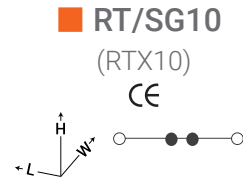
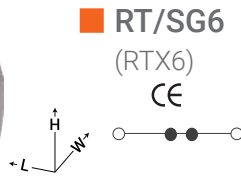
**RT/SG4**  
(RTX4)



IEC 60947-7-1 rated data	RT/SG2.5	RT/SG4
Voltage (V)	800	800
Impulse voltage (kV)	6	6
Pollution degree/Voltage category/Material group	3/III/I	3/III/I
Current (A)	24	32
Cross-section (mm <sup>2</sup> )	2.5	4

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SG2.5	60104210	100	RT/SG4	60104220	85
End plate	EP-RT/SG2.5-10	6020206003	100	EP-RT/SG2.5-10	6020206003	50
Width (mm)	2.2			2.2		
Partition	GP	6020305005	20	GP	6020305005	20
Width (mm)	3			3		
End bracket, for TH 35-7.5, 15 width (mm)	EB/4	6020101006	50	EB/4	6020101006	50
	8			8		
	EB/3	6020101003	50	EB/3	6020101003	50
	10			10		
	EB/1	6020101001	50	EB/1	6020101001	50
	9.5			9.5		
Bridge screwless	BS 10-2.5 10-pos. BS 3-2.5 3-pos. BS 2-2.5 2-pos.	6020505009 6020505002 6020505001	10 100 100	BS 10-4 10-pos. BS 3-4 3-pos. BS 2-4 2-pos.	6020505109 6020505102 6020505101	10 100 100
Maximum current (A)	24			32		
Bridge-comb	-	-	-	BC 10-2.5 10-pos. BC 3-2.5 3-pos. BC 2-2.5 2-pos.	6020504009 6020504002 6020504001	10 50 50
max. current (A)				24		
Screw Driver	0.5x3.0	-	-	0.5x3.0	-	-
Marking Tags	NS5	For details see Accessories		NS6	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 (Color Code is the last 2 digits of the Ordering No.)		01   02   03   04   05   06   07   09   10			01   02   03   04   05   06   07   09   10	
<b>Dimensions (mm)</b>	<b>W / L / H</b>			<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	5.2/45.2/47.8			6/45.2/47.8		
Width/Length/Height, TH 35-15	5.2/45.2/55.3			6/45.2/55.3		
<b>Connection capacity</b>						
Rigid Solid (mm <sup>2</sup> )	0.5-4			0.5-6		
Rigid stranded (mm <sup>2</sup> )	0.5-4			0.5-6		
Flexible (mm <sup>2</sup> )	0.5-2.5			0.5-4		
American Wire Gauge (AWG)	20-12			20-10		
<b>IEC test gauge</b>	<b>A3</b>			<b>A4</b>		
Stripping length (mm)	10			10		
<b>Clamping screw/ Tightening torque (N.m)</b>	<b>M2.6/0.6</b>			<b>M2.6/0.6</b>		
Insulation material	PA			PA		

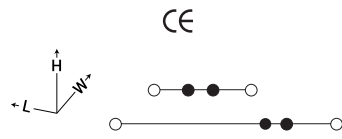




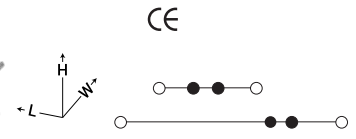
IEC 60947-7-1 rated data	RT/SG6			RT/SG10		
Voltage (V)	800			800		
Impulse voltage (kV)	8			8		
Pollution degree/ Voltage category/ Material group	3/III/I			3/III/I		
Current (A)	41			57		
Cross-section (mm <sup>2</sup> )	6			10		
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SG6	60104230	65	RT/SG10	60104240	50
End plate Width (mm)	EP-RT/SG2.5-10 2.2	6020206003	50	EP-RT/SG2.5-10 2.2	6020206003	100
Partition Width (mm)	GP 3	6020305005	20	GP 3	6020305005	20
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8 EB/3 10 EB/1 9.5	6020101006 6020101003 6020101001	50 50 50	EB/4 8 EB/3 10 EB/1 9.5	6020101006 6020101003 6020101001	50 50 50
Bridge screwless	BS 10-6 10-pos. BS 3-6 3-pos. BS 2-6 2-pos.	6020505209 6020505203 6020505201	10 100 100	- BS 3-10 3-pos. BS 2-10 2-pos.	- 6020505302 6020505301	- 10 10
max. current (A)	41			57		
Bridge-comb	JEB10-6 10-pos. JEB3-6 3-pos. JEB2-6 2-pos.	6020506009 6020506002 6020506001	10 50 50	-	-	-
max. current (A)	41			-		
Screw Driver	0.6x3.5	-	-	1.0x4.0	-	-
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 (Color Code is the last 2 digits of the Ordering No.)						
Dimensions (mm)	W / L / H			W / L / H		
Width/Length/Height, TH 35-7.5	8/45.2/47.8			10/45.2/47.8		
Width/Length/Height, TH 35-15	8/45.2/55.3			10/45.2/55.3		
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)	10			10		
Clamping screw/ Tightening torque (N.m)	M3.5/1.2			M4/1.5		
Insulation material	PA			PA		



■ RT/SG2.5-2L



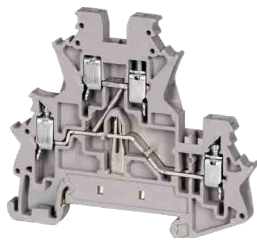
■ RT/SG4-2L



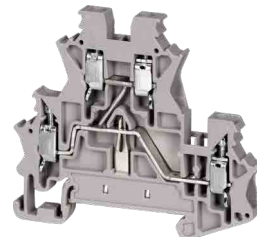
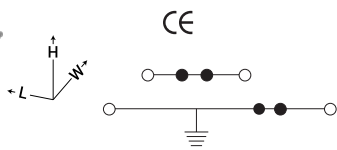
IEC 60947-7-1 rated data	RT/SG2.5-2L	RT/SG4-2L
voltage (V)	400	500
Impulse voltage (kV)	6	6
Pollution degree/Voltage category/Material group	3/III/1	3/III/1
Current (A)	24	32
Cross-section (mm <sup>2</sup> )	2.5	4

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SG2.5-2L	6010744005	30	RT/SG4-2L	6010745005	30
End plate Width (mm)	EP-RT/SG2.5-4-2L 1.2	6020101001	20	EP-RT/SG2.5-4-2L 1.2	6020101001	20
Partition Width (mm)	GP 3	6020305005	20	GP 3	6020305005	20
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8 EB/3 10 EB/2 10 EB/1 9.5	6020101006 6020101003 6020101002 6020101001	50 50 50 50	EB/4 8 EB/3 10 EB/2 10 EB/1 9.5	6020101006 6020101003 6020101002 6020101001	50 50 50 50
Bridge screwless	BS 10-2.5 10-pos. BS 3-2.5 3-pos. BS 2-2.5 2-pos.	6020505009 6020505002 6020505001	10 100 100	BS 10-4 10-pos. BS 3-4 3-pos. BS 2-4 2-pos.	6020505109 6020505102 6020505101	10 100 100
Maximum current (A)	24			32		
Bridge-comb				BC 10-2.5 10-pos. BC 3-2.5 3-pos. BC 2-2.5 2-pos.	6020504009 6020504002 6020504001	10 50 50
Maximum current (A)				24		
Screw Driver	0.5x3.0	-	-	0.5x3.0	-	-
Marking Tags	NS5	For details see Accessories		NS6	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	

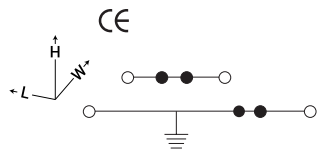
Dimensions (mm)	W / L / H	W / L / H
Width/Length/Height, TH 35-7.5	5.2/72/63	6/72/63
Width/Length/Height, TH 35-15	5.2/72/70.5	6/72/70.5
Connection capacity		
Rigid Solid (mm <sup>2</sup> )	0.5-4	0.5-6
Rigid stranded (mm <sup>2</sup> )	0.5-4	0.5-6
Flexible (mm <sup>2</sup> )	0.5-2.5	0.5-4
American Wire Gauge (AWG)	20-12	20-10
IEC test gauge	A3	A4
Stripping length (mm)	10	10
Clamping screw/ Tightening torque (N.m)	M2.6/0.6	M2.6/0.6
Insulation material	PA	PA



■ RT/SG2.5-2LE



■ RT/SG4-2LE



IEC 60947-7-1 IEC 60947-7-2 rated data	RT/SG2.5-2LE	RT/SG4-2LE
voltage (V)	400	500
Impulse voltage (kV)	6	6
Pollution degree/Voltage category /Material group	3/III/I	3/III/I
Current (A)	24	32
Cross-section (mm <sup>2</sup> )	2.5	4

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SG2.5-2LE	6010744015	30	RT/SG4-2LE	6010603015	30
End plate Width (mm)	EP-RT/SG2.5-4-2L 1.2	6020101001	20	EP-RT/SG2.5-4-2L 1.2	6020101001	20
Partition Width (mm)	GP 3	6020305005	20	GP 3	6020305005	20
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8 EB/3 10 EB/2 10 EB/1 9.5	6020101006 6020101003 6020101002 6020101001	50 50 50 50	EB/4 8 EB/3 10 EB/2 10 EB/1 9.5	6020101006 6020101003 6020101002 6020101001	50 50 50 50
Bridge screwless	BS 10-2.5 10-pos. BS 3-2.5 3-pos. BS 2-2.5 2-pos.	6020505009 6020505002 6020505001	10 100 100	BS 10-4 10-pos. BS 3-4 3-pos. BS 2-4 2-pos.	6020505109 6020505102 6020505101	10 100 100
Maximum current (A)	24			32		
Bridge-comb	-	-	-	BC 10-2.5 10-pos. BC 3-2.5 3-pos. BC 2-2.5 2-pos.	6020504009 6020504002 6020504001	10 50 50
max. current (A)				24		
Screw Driver	0.5x3.0	-	-	0.5x3.0	-	-
Marking Tags	NS5	For details see Accessories		NS6	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	

Dimensions (mm)	W / L / H	W / L / H
Width/Length/Height, TH 35-7.5	5.2/72/63	6/72/63
Width/Length/Height, TH 35-15	5.2/72/70.5	6/72/70.5
Connection capacity		
Rigid Solid (mm <sup>2</sup> )	0.5-4	0.5-6
Rigid stranded (mm <sup>2</sup> )	0.5-4	0.5-6
Flexible (mm <sup>2</sup> )	0.5-2.5	0.5-4
American Wire Gauge (AWG)	20-12	20-10
IEC test gauge	A3	A4
Stripping length (mm)	10	10
Clamping screw/ Tightening torque (N.m)	M2.6/0.6	M2.6/0.6
Insulation material	PA	PA

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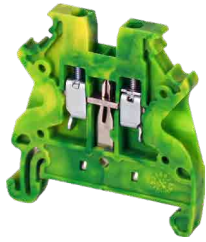
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# Protective General Terminal Blocks

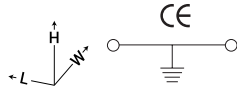


RT/SG-E terminal the same as RT/SG series with connection capacity of screw clamp, reliable capability are be used and they have following advantages:

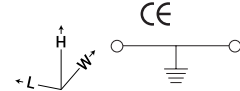
- 
- Space-saving design, optimizing handling and easy assembling
- Strong connection on TH7.5,15 rails
- Compatibility of all size from 2.5-10 mm<sup>2</sup>
- Can be used strip labels without the need for a marking holder
- Terminal insulation body polyamide
- Similar partition for several types



**RT/SG2.5-E**  
(RETX2.5)



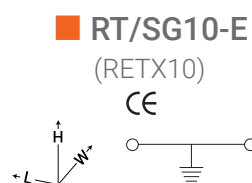
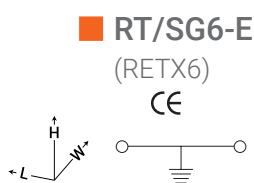
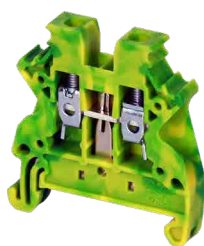
**RT/SG4-E**  
(RETX4)



IEC 60947-7-2 rated data	RT/SG2.5-E	RT/SG4-E
Impulse voltage (kV)	6	6
Pollution degree/Voltage category/Material group	3/III/1	3/III/1
Cross-section (mm <sup>2</sup> )	2.5	4

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SG2.5-E	6010604001	70	RT/SG4-E	6010604002	60
End plate	EP-RT/SG2.5-10E	6020206003	50	EP-RT/SG2.5-10E	6020206003	50
Width (mm)	2.2			2.2		
Partition	GP	6020305005	20	GP	6020305005	20
Width (mm)	3			3		
End bracket, for TH 35-7.5, 15 width (mm)	EB/4	6020101006	50	EB/4	6020101006	50
	8			8		
	EB/3	6020101003	50	EB/3	6020101003	50
	10			10		
	EB/1	6020101001	50	EB/1	6020101001	50
	9.5			9.5		
Screw Driver	0.5x3.0	-	-	0.5x3.0	-	-
Marking Tags	NS5	For details see Accessories		NS6	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						

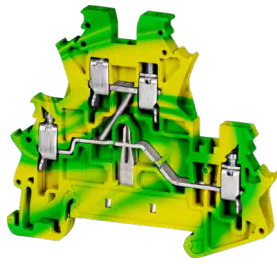
Dimensions (mm)	W / L / H	W / L / H
Width/Length/Height, TH 35-7.5	5.2/45.2/47.8	6/45.2/47.8
Width/Length/Height, TH 35-15	5.2/45.2/55.3	6/45.2/55.3
Connection capacity		
Rigid Solid (mm <sup>2</sup> )	0.5-4	0.5-6
Rigid stranded (mm <sup>2</sup> )	0.5-4	0.5-6
Flexible (mm <sup>2</sup> )	0.5-2.5	0.5-4
American Wire Gauge (AWG)	20-12	20-10
IEC test gauge		
Stripping length (mm)	10	10
Clamping screw/ Tightening torque (N.m)		
	M2.6/0.6	M2.6/0.6
Insulation material	PA	PA



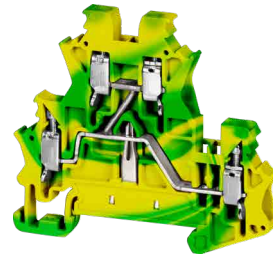
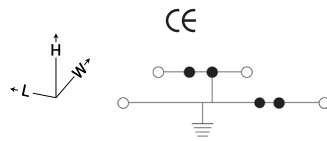
IEC 60947-7-2 rated data	RT/SG6-E	RT/SG10-E
Impulse voltage (kV)	8	8
Pollution degree/Voltage category/Material group	3/III/I	3/III/I
Current (A)	-	57
Cross-section (mm <sup>2</sup> )	6	10

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.	
Terminal block, for mounting on TH 35-7.5, 15	RT/SG6-E	6010604003	45	RT/SG10-E	6010604004	35	
End plate Width (mm)	EP-RT/SG2.5-10E 2.2	6020206003	50	EP-RT/SG2.5-10E 2.2	6020206003	50	
Partition Width (mm)	GP 3	6020305005	20	GP 3	6020305005	20	
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8	6020101006	50	EB/4 8	6020101006	50	
	EB/3 10	6020101003	50	EB/3 10	6020101003	50	
	EB/1 9.5	6020101001	50	EB/1 9.5	6020101001	50	
Screw Driver		0.5x3.5	-	1.0x4.0	-	-	
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							

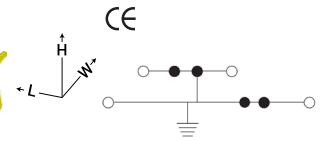
Dimensions (mm)	W / L / H	W / L / H
Width/Length/Height, TH 35-7.5	8/45.2/47.8	10/45.2/47.8
Width/Length/Height, TH 35-15	8/45.2/55.3	10/45.2/55.3
Connection capacity		
Rigid Solid (mm <sup>2</sup> )	0.5-10	0.5-16
Rigid stranded (mm <sup>2</sup> )	0.5-10	0.5-16
Flexible (mm <sup>2</sup> )	0.5-6	0.5-10
American Wire Gauge (AWG)	20-8	20-6
IEC test gauge	A5	B6
Stripping length (mm)	10	10
Clamping screw/ Tightening torque (N.m)	M3.5/1.2	M4/1.5
Insulation material	PA	PA



■ RT/SG2.5-2L2E



■ RT/SG4-2L2E



IEC 60947-7-2 rated data	RT/SG2.5-2L2E	RT/SG4-2L2E
Impulse voltage (kV)	6	6
Pollution degree/Voltage category/Material group	3/III/1	3/III/1
Cross-section (mm <sup>2</sup> )	2.5	4

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SG2.5-2L2E	6010744016	50	RT/SG4-2L2E	6011203003	50
End plate Width (mm)	EP-RT/SG2.5-4-2L 1.2	6020203006	20	EP-RT/SG2.5-4-2L 1.2	6020203006	20
Partition Width (mm)	GP 3	6020305005	20	GP 3	6020305005	20
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8	6020101006	50	EB/4 8	6020101006	50
	EB/3 10	6020101003	50	EB/3 10	6020101003	50
	EB/2 10	6020101002	50	EB/2 10	6020101002	50
	EB/1 9.5	6020101001	50	EB/1 9.5	6020101001	50
Screw Driver	0.5x3.0	-	-	0.5x3.0	-	-
Marking Tags	NS5	For details see Accessories		NS6	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	

Dimensions (mm)	W / L / H	W / L / H
Width/Length/Height, TH 35-7.5	5.2/72/63	6/72/63
Width/Length/Height, TH 35-15	5.2/72/70.5	6/72/70.5
Connection capacity		
Rigid Solid (mm <sup>2</sup> )	0.5-4	0.5-6
Rigid stranded (mm <sup>2</sup> )	0.5-4	0.5-6
Flexible (mm <sup>2</sup> )	0.5-2.5	0.5-4
American Wire Gauge (AWG)	20-12	20-10
IEC test gauge		
Stripping length (mm)	10	10
Clamping screw/ Tightening torque (N.m)		
	M2.6/0.6	M2.6/0.6
Insulation material		
	PA	PA



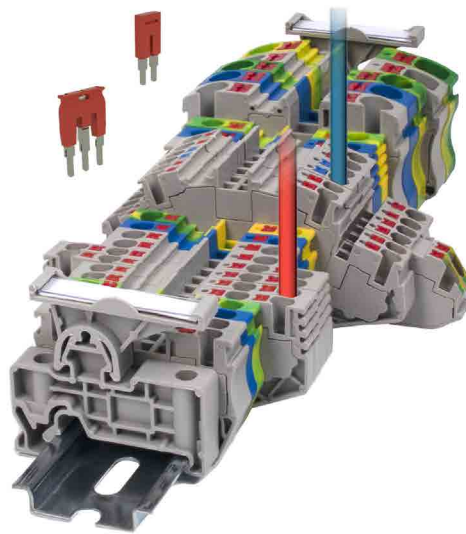




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# Push-In Connection Terminal Blocks

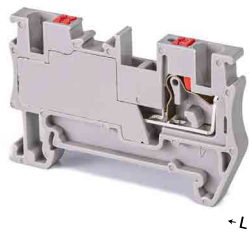


## Push-In Connection

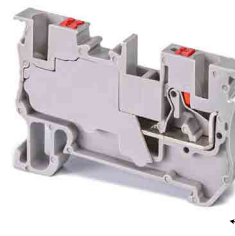
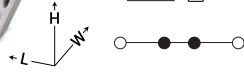
RT/PG series is characterized by the simple handling and tool-free connection method. RT/PG series clamping method allows you to push in the solid conductors (no preparation needed) and flexible cables (using ferrules) and ensures a confident connection by opening the contact spring automatically after the cables are pushed into the clamps. This kind of connection is vibration-proof.

Tool-free wiring technology in RAAD push-in terminal blocks characterizes this type of terminal by the following advantages:

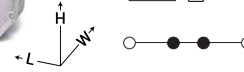
- Direct inserting of solid conductors or prepared cables with ferrules (no tools needed).
- Easy release of conductors by the plastic actuation lever using a tool without touching live parts.
- Space-saving design, optimized handling, and easy assembling.
- Easy insertion of conductors by a little pushing force.



**RT/PG2.5**  
(RPIT2.5)



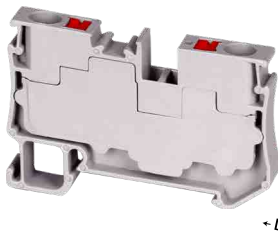
**RT/PG4**  
(RPIT4)



Technical data	RT/PG2.5		RT/PG4	
	Voltage(V)	Current(A)	Voltage(V)	Current(A)
IEC 60947-7-1	800	24	800	32
IEC/EN 60079-7	500	22	500	28
<b>IEC 60947-7-1 rated data</b>				
Impulse voltage (kV)	8		8	
Pollution degree/Voltage category/Material group	3/III/1		3/III/1	
Cross-section (mm <sup>2</sup> )	2.5		4	

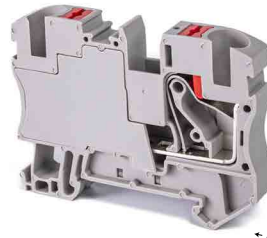
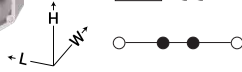
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/PG2.5	60110010	100	RT/PG4	60110020	100
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8 EB/3 10 EB/1 9.5	6020101006 6020101003 6020101001	50 50 50	EB/4 8 EB/3 10 EB/1 9.5	6020101006 6020101003 6020101001	50 50 50
Bridge screwless	BS 10-2.5 10-pos. BS 3-2.5 3-pos. BS 2-2.5 2-pos.	6020505009 6020505002 6020505001	10 100 100	BS 10-4 10-pos. BS 3-4 3-pos. BS 2-4 2-pos.	6020505109 6020505102 6020505101	10 100 100
Maximum current (A)	20			26		
Marking Tags	NS5	For details see Accessories		NS6	For details see Accessories	
Marking Holder	Marking Holder	6032100001	10	Marking Holder	6032100001	10
Strip Label	TBSL 22x20	For details see Accessories		TBSL 22x20	For details see Accessories	
Color (Color Code is the last 2 digits of the Ordering No.)						
<b>Dimensions (mm)</b>	<b>W / L / H</b>			<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	5.2/54.2/36			6/54.2/36		
Width/Length/Height, TH 35-15	5.2/54.2/43.5			6/54.2/43.5		
<b>Connection capacity</b>						
Rigid Solid (mm <sup>2</sup> )	0.5-4			0.5-6		
Rigid stranded (mm <sup>2</sup> )*	0.5-2.5			0.5-4		
Flexible (mm <sup>2</sup> )*	0.5-2.5			1.5-4		
American Wire Gauge (AWG)	20-12			20-10		
<b>IEC test gauge</b>	<b>A3</b>			<b>A4</b>		
Stripping length (mm)	12			12		
<b>Insulation material</b>	<b>PA</b>			<b>PA</b>		

\* Prepare this kind of cable with ferrule.



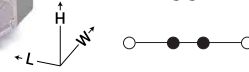
### RT/PG6

(RPIT6)



### RT/PG10

(RPIT10)



IEC 60947-7-1 rated data	RT/PG6	RT/PG10
Voltage (V)	1000	1000
Impulse voltage (kV)	8	8
Pollution degree/Voltage category/Material group	3/III/I	3/III/I
Current (A)	41	57
Cross-section (mm <sup>2</sup> )	6	10

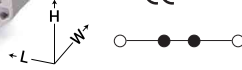
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/PG6	60110030	50	RT/PG10	60110040	30
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8 EB/3 10 EB/1 9.5	6020101006 6020101003 6020101001	50 50 50	EB/4 8 EB/3 10 EB/1 9.5	6020101006 6020101003 6020101001	50 50 50
Bridge screwless	BS10-6 10-pos. BS 3-6 3-pos. BS 2-6 2-pos.	6020505209 6020505203 6020505201	50 50 50	BS3-10 3pos. BS2-10 2pos.	6020505302 6020505301	10 10
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 (Color Code is the last 2 digits of the Ordering No.)	01 02 03 04 05 06 07 09 10			01 02 03 04 05 06 07 09 10		
<b>Dimensions (mm)</b>	<b>W / L / H</b>			<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	8/62/42			10/68.5/51		
Width/Length/Height, TH 35-15	8/62/49.5			10/68.5/58.5		
<b>Connection capacity</b>						
Rigid Solid (mm <sup>2</sup> )	0.5-10			0.5-16		
Rigid stranded (mm <sup>2</sup> )*	0.5-6			0.5-10		
Flexible (mm <sup>2</sup> )*	1.5-6			0.5-10		
American Wire Gauge (AWG)	20-8			20-6		
<b>IEC test gauge</b>	<b>A5</b>			<b>A6</b>		
Stripping length (mm)	12			18		
<b>Insulation material</b>	<b>PA</b>			<b>PA</b>		

\* Prepare this kind of cable with ferrule.



## RT/PG16

(RPIT16)



IEC 60947-7-1 rated data	RT/PG16
Voltage (V)	1000
Impulse voltage (kV)	8
Pollution degree/Voltage category/Material group	3/III/I
Current (A)	76
Cross-section (mm <sup>2</sup> )	16

Description	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/PG16	60110070	25
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8	6020101006	50
	EB/3 10	6020101003	50
	EB/1 9.5	6020101001	50
	Bridge screwless	BS3-16 3pos. BS2-16 2pos.	6020505402 6020505401
Marking Tags	NS10 RAAD recommended	For details see Accessories	
Marking Holder	Marking Holder	6032100001	10
Strip Label	TBSL 22x20	For details see Accessories	
Color (Color Code is the last 2 digits of the Ordering No.)			
<b>Dimensions (mm)</b>	<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	12/71.5/51		
Width/Length/Height, TH 35-15	12/71.5/58.5		
<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>	<b>A7</b>		
Stripping length (mm)	18		
<b>Insulation material</b>	<b>PA</b>		

\* Prepare this kind of cable with ferrule.



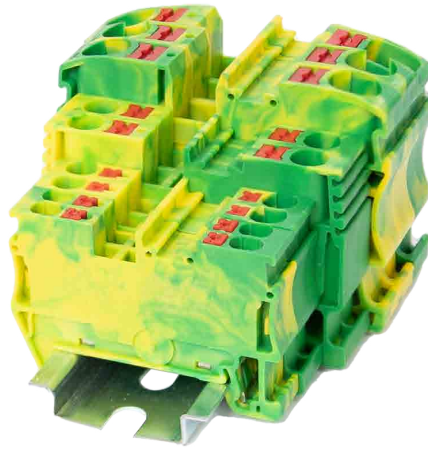






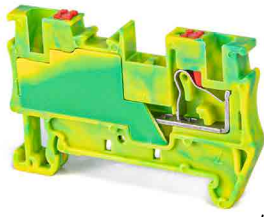
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# Earth Push-In Protective Terminal Blocks



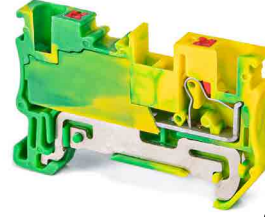
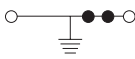
Some of the most practical advantages of using RT/PG-E series are as follows:

- Meets all IEC 60947-7-2 requirements
- Significant time and cost savings
- Stainless steel spring continuously provides sufficient contact force between conductor and current carrying part
- Compact construction and high-performance contact technology
- Insulation housing made of high-grade fire resistant PA
- Safe and tool-less connecting
- Mountable on TH35 rail
- Easy release of a conductor by using tools



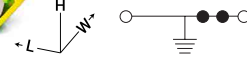
### RT/PG2.5-E

(RPET2.5)



### RT/PG4-E

(RPET4)

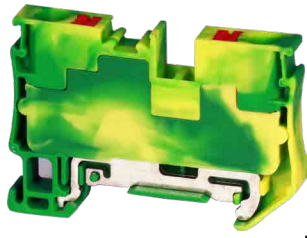


IEC 60947-7-2 rated data	RT/PG2.5-E	RT/PG4-E
Impulse voltage (kV)	8	8
Pollution degree/Voltage category/Material group	3/III/I	3/III/I
Current (A)	-	-
Cross-section (mm <sup>2</sup> )	2.5	4

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/PG2.5-E	6011201001	50	RT/PG4-E	6011201002	50
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8	6020101006	50	EB/4 8	6020101006	50
	EB/3 10	6020101003	50	EB/3 10	6020101003	50
	EB/1 9.5	6020101001	50	EB/1 9.5	6020101001	50
Marking Tags	NS5	For details see Accessories		NS6	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						

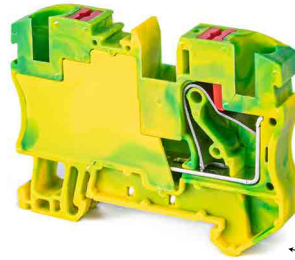
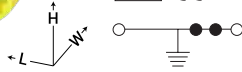
Dimensions (mm)	W / L / H	W / L / H
Width/Length/Height, TH 35-7.5	5.2/54.2/36	6/54.2/36
Width/Length/Height, TH 35-15	5.2/54.2/43.5	6/54.2/43.5
Connection capacity		
Rigid Solid (mm <sup>2</sup> )	0.5-4	0.5-6
Rigid stranded (mm <sup>2</sup> )*	0.5-2.5	0.5-4
Flexible (mm <sup>2</sup> )*	0.5-2.5	1.5-4
American Wire Gauge (AWG)	20-12	20-10
IEC test gauge	A3	A4
Stripping length (mm)	12	12
Insulation material	PA	PA

\* Prepare this kind of cable with ferrule.



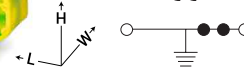
### RT/PG6-E

(RPET6)



### RT/PG10-E

(RPET10)

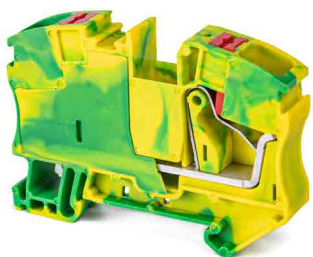


IEC 60947-7-2 rated data	RT/PG6-E	RT/PG10-E
Impulse voltage (kV)	8	8
Pollution degree/Voltage category/Material group	3/III/I	3/III/I
Current (A)	-	57
Cross-section (mm <sup>2</sup> )	6	10

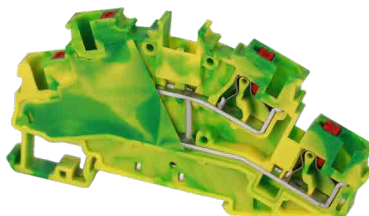
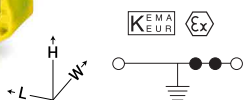
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/PG6-E	6011201003	25	RT/PG10-E	6011201003	30
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8	6020101006	50	EB/4 8	6020101006	50
	EB/3 10	6020101003	50	EB/3 10	6020101003	50
	EB/1 9.5	6020101001	50	EB/1 9.5	6020101001	50
Marking Tags	NS8	For details see Accessories		NS10	For details see Accessories	
Marking Holder	Marking Holder	6032100001	10	Marking Holder	6032100001	10
Strip Label	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	8/62/42	10/68.5/51
Width/Length/Height, TH 35-15	8/62/49.5	10/68.5/58.5
Connection capacity		
Rigid Solid (mm <sup>2</sup> )	0.5-10	0.5-16
Rigid stranded (mm <sup>2</sup> )*	0.5-6	0.5-10
Flexible (mm <sup>2</sup> )*	1.5-6	0.5-10
American Wire Gauge (AWG)	20-8	20-6
IEC test gauge	A5	A6
Stripping length (mm)	12	18
Insulation material	PA	PA

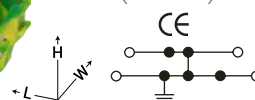
\* Prepare this kind of cable with ferrule.















RT/PG16-E



RT/PG4-2L2E  
(DPET4)



IEC 60947-7-2 rated data	RT/PG16-E	RT/PG4-2L2E
Impulse voltage (kV)	8	8
Pollution degree/ Voltage category/Material group	3/III/1	3/III/1
Current (A)	76	-
Cross-section (mm <sup>2</sup> )	16	4

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15 	RT/PG16-E	6011201005	50	RT/PG4-2L2E	6011201002	50
End bracket, for TH 35-7.5, 15 width (mm) 	 EB/4	6020101006	50	EB/4	6020101006	50
	 EB/3	6020101003	50	EB/3	6020101003	50
	 EB/10	6020101001	50	EB/10	6020101001	50
	 EB/9.5	6020101001	50	EB/9.5	6020101001	50
Partition Width (mm) 	-	-	-	GP3	6020305005	20
Marking Tags 	NS10 RAAD recommended	For details see Accessories		NS6	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						
<b>Dimensions (mm)</b>	<b>W / L / H</b>			<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	12/71.5/51			6/88/50.5		
Width/Length/Height, TH 35-15	12/71.5/58.5			6/88/58		
<b>Connection capacity</b>						
Rigid Solid (mm <sup>2</sup> )	0.5-16			0.5-6		
Rigid stranded (mm <sup>2</sup> )*	0.5-16			0.5-4		
Flexible (mm <sup>2</sup> )*	0.5-16			0.5-4		
American Wire Gauge (AWG)	20-6			20-10		
<b>IEC test gauge</b>	<b>A7</b>			<b>A4</b>		
Stripping length (mm)	18			12		
<b>Insulation material</b>	<b>PA</b>			<b>PA</b>		

\* Prepare this kind of cable with ferrule.



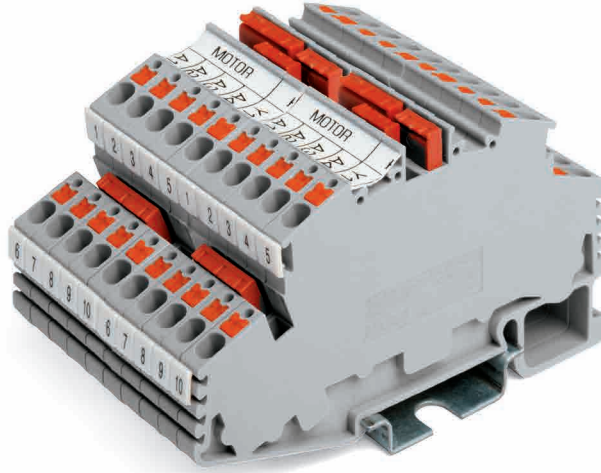


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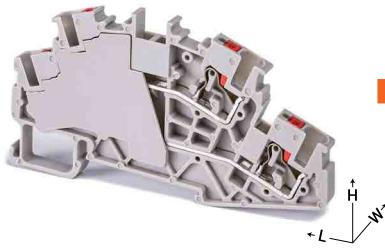


# Multi-Level Push-In Terminal Blocks



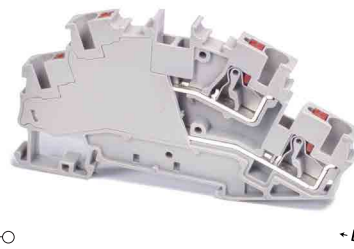
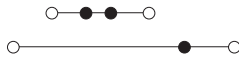
RAAD push-in multi-Level terminal blocks enjoy the space-saving benefit, and the following advantages are met:

- In RT/PG-2L, it is significant that due to its double wiring density, it can be used as two terminals in one terminal, which will reduce the space occupied by the terminals in the electrical panel.
- RT/PG-3L0E5 terminal blocks were specially developed for space-saving wiring in three wired elements such as motors and sensors, e.g. phase-neutral-earth connection or positive-negative-earth/shield connection.
- As for foot connection, RAAD push-in multi-level terminals can be mounted on the TH35 mounting rail.
- High resistance to fire due to the use of PA materials.
- All terminals according to the IEC 60947-7-1 standard and in the earth level of RT/PG4-2LE and RT/PG2.5-3L0E5 terminal comply with IEC60947-7-2 standard.



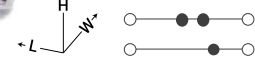
### RT/PG2.5-2L

(DPIT2.5)



### RT/PG4-2L

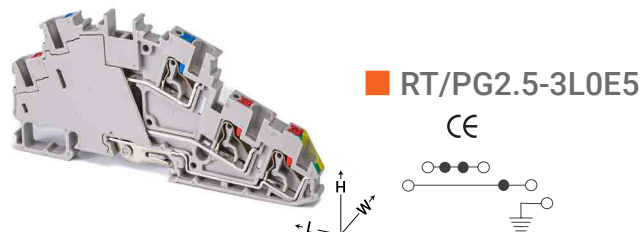
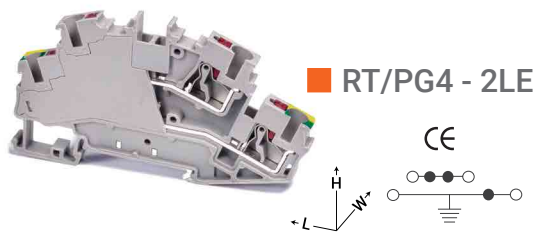
(DPIT4)



IEC 60947-7-1 rated data	RT/PG2.5-2L	RT/PG4-2L
Voltage (V)	500	500
Impulse voltage (kV)	6	8
Pollution degree/Voltage category/Material group	3/III/1	3/III/1
Current (A)	24	32
Cross-section (mm <sup>2</sup> )	2.5	4

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/PG2.5-2L	6011101001	50	RT/PG4-2L	6011102005	50
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8	6020101006	50	EB/4 8	6020101006	50
	EB/3 10	6020101003	50	EB/3 10	6020101003	50
	EB/1 9.5	6020101001	50	EB/1 9.5	6020101001	50
Bridge screwless	BS 10-2.5 10-pos.	6020505009	10	BS10-4 10-pos.	6020505109	10
	BS 3-2.5 3-pos.	6020505002	100	BS3-4 3-pos.	6020505102	100
	BS 2-2.5 2-pos.	6020505001	100	BS2-4 2-pos.	6020505101	100
Partition	GP 3	6020305005	20	GP 3	6020305005	20
Width (mm)						
Marking Tags	NS5	For details see Accessories		NS6	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						
<b>Dimensions (mm)</b>	<b>W / L / H</b>			<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	5.2/88/50.5			6/88/50.5		
Width/Length/Height, TH 35-15	5.2/88/58			6/88/58		
<b>Connection capacity</b>						
Rigid Solid (mm <sup>2</sup> )	0.5-4			0.5-6		
Rigid stranded (mm <sup>2</sup> )*	0.5-2.5			0.5-4		
Flexible (mm <sup>2</sup> )*	0.5-2.5			0.5-4		
American Wire Gauge (AWG)	20-12			20-10		
<b>IEC test gauge</b>	<b>A3</b>			<b>A4</b>		
Stripping length (mm)	12			12		
<b>Insulation material</b>	<b>PA</b>			<b>PA</b>		

\* Prepare this kind of cable with ferrule.



IEC 60947-7-1 IEC 60947-7-2 rated data	RT/PG4-2LE	RT/PG2.5-3L0E5
Voltage (V)	500	500
Impulse voltage (kV)	8	6
Pollution degree/Voltage category/Material group	3/III/I	3/III/I
Current (A)	32	24
Cross-section (mm <sup>2</sup> )	4	2.5

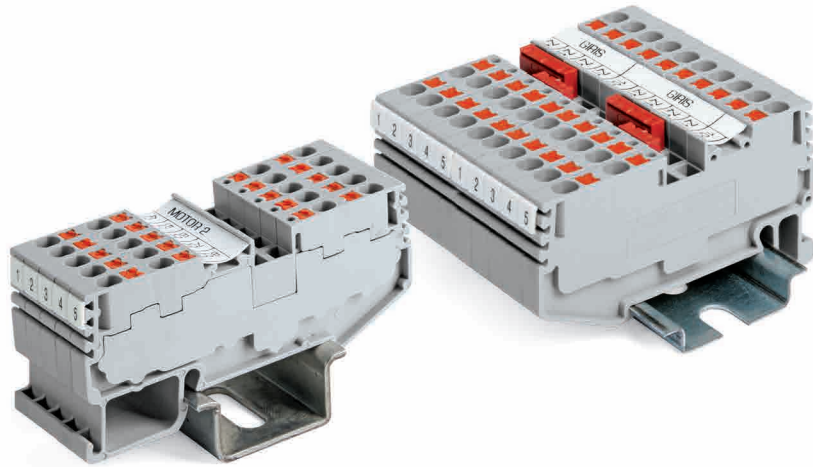
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/PG4-2LE	6011203002	50	RT/PG2.5-3L0E5	6011202001	30
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8 EB/3 10 EB/1 9.5	6020101006 6020101003 6020101001	50 50 50	EB/4 8 EB/3 10 EB/1 9.5	6020101006 6020101003 6020101001	50 50 50
Bridge screwless	BS10-4 10-pos. BS3-4 3-pos. BS2-4 2-pos.	6020505109 6020505102 6020505101	10 100 100	BS10-2.5 10-pos. BS3-2.5 3-pos. BS2-2.5 2-pos.	BS10-2.5 10-pos.	10 100 100
Partition	GP 3	6020305005	20	GP 3	BS3-2.5 3-pos.	20
Width (mm)						
Marking Tags	NS6	For details see Accessories		NS5	BS2-2.5 2-pos.	
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						
<b>Dimensions (mm)</b>	<b>W / L / H</b>			<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	6/88/50.5			5.2/102/50.5		
Width/Length/Height, TH 35-15	6/88/58			5.2/102/58		
<b>Connection capacity</b>						
Rigid Solid (mm <sup>2</sup> )	0.5-6			0.5-4		
Rigid stranded (mm <sup>2</sup> )*	0.5-4			0.5-2.5		
Flexible (mm <sup>2</sup> )*	0.5-4			0.5-2.5		
American Wire Gauge (AWG)	20-10			20-12		
<b>IEC test gauge</b>	<b>A4</b>			<b>A3</b>		
Stripping length (mm)	12			12		
<b>Insulation material</b>	<b>PA</b>			<b>PA</b>		

\* Prepare this kind of cable with ferrule.



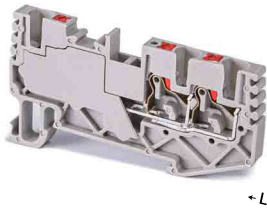
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# Multi-Conductor Push-in Terminal Blocks



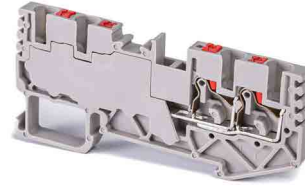
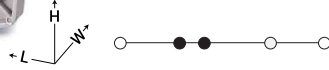
RAAD push-in multi-conductor terminal blocks are met the following advantages:

- In the RT/PG2.5-1/2 and RT/PG2.5-2/2 terminals, respectively, you can connect up to three and four wires in one terminal which will reduce the space occupied by the terminal strips.
- As for foot connection, RAAD push-in multi-conductor terminal blocks can be mounted on the TH35 mounting rail.
- Meet the specifications and strict requirements of IEC 60947-7-1 standard.
- RAAD multi-conductor push-in terminal blocks have a comprehensive range of accessories like, marking system, bridging screwless, and etc.
- High resistance to fire due to the use of PA materials.
- All terminals according to the IEC 60947-7-1 standard.



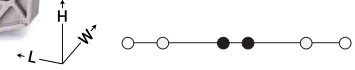
### RT/PG2.5-1/2

(RPIT2.5-1/2)



### RT/PG2.5-2/2

(RPIT2.5-2/2)



IEC 60947-7-1 rated data	RT/PG2.5-1/2	RT/PG2.5-2/2
Voltage (V)	800	800
Impulse voltage (kV)	8	8
Pollution degree/Voltage category/Material group	3/III/1	3/III/1
Current (A)	24	24
Cross-section (mm <sup>2</sup> )	2.5	2.5

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/PG2.5-1/2	60110050	40	RT/PG2.5-2/2	6011006001	40
End bracket, width (mm) RAAD recommended for TH 35-7.5, 15	EB/4 8	6020101006	50	EB/4 8	6020101006	50
	EB/3 10	6020101003	50	EB/3 10	6020101003	50
	EB/1 9.5	6020101001	50	EB/1 9.5	6020101001	50
Bridge screwless	BS 10-2.5 10-pos. BS 3-2.5 3-pos. BS 2-2.5 2-pos.	6020505009 6020505002 6020505001	10 100 100	BS 10-2.5 10-pos. BS 3-2.5 3-pos. BS 2-2.5 2-pos.	6020505009 6020505002 6020505001	10 50 50
Marking Tags	NS5	For details see Accessories		NS5	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 (Color Code is the last 2 digits of the Ordering No.)		05	09			
<b>Dimensions (mm)</b>	<b>W / L / H</b>			<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	5.2/65.5/36			5.2/76.5/36		
Width/Length/Height, TH 35-15	5.2/65.5/43.5			5.2/76.5/43.5		
<b>Connection capacity</b>						
Rigid Solid (mm <sup>2</sup> )	0.5-4			0.5-4		
Rigid stranded (mm <sup>2</sup> )*	0.5-2.5			0.5-2.5		
Flexible (mm <sup>2</sup> )*	0.5-2.5			0.5-2.5		
American Wire Gauge (AWG)	20-12			20-12		
<b>IEC test gauge</b>	<b>A3</b>			<b>A4</b>		
Stripping length (mm)	12			12		
<b>Insulation material</b>	<b>PA</b>			<b>PA</b>		

\* Prepare this kind of cable with ferrule.



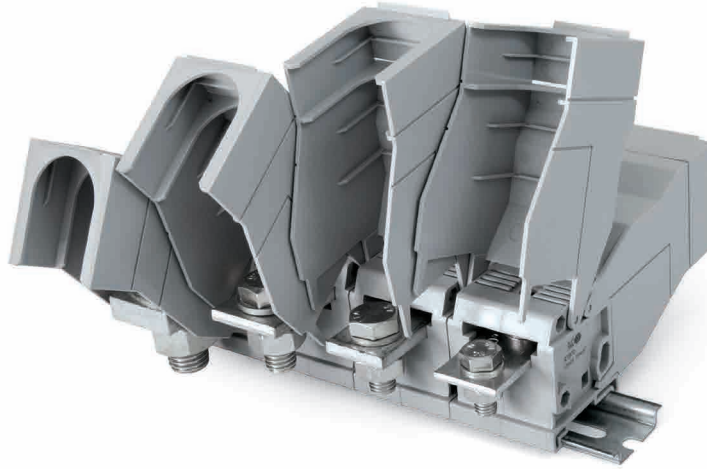




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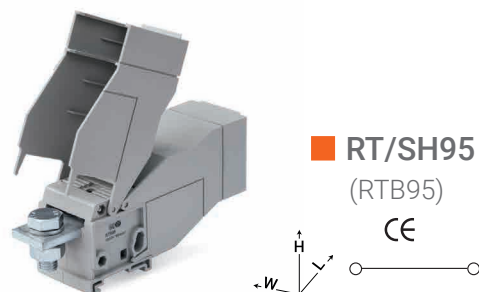
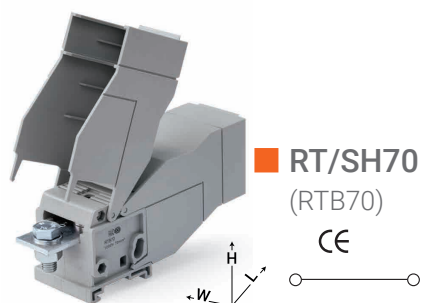


# High current Terminal Blocks



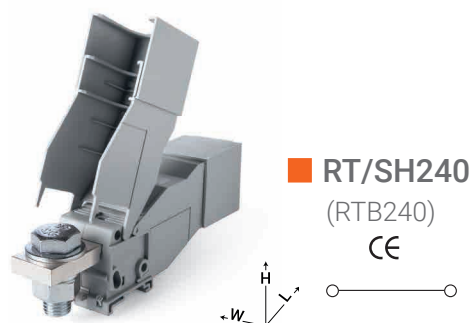
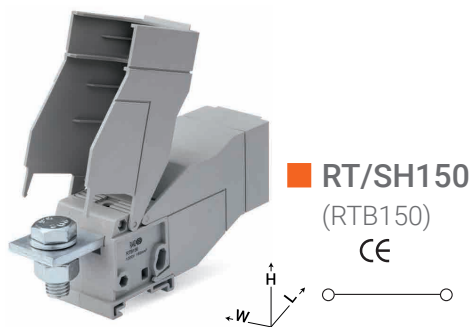
The RT/SH series of high current terminal blocks offer secure connections for all applications which involve a transmission of energy. RT/SH series have following characteristics:

- The connection ranges extended from 70mm<sup>2</sup> to 240mm<sup>2</sup>
- For voltage range up to 1000V and current up to 415A
- Self-extinguishing insulation material with high grade fire resistance
- Supplying special covers to avoid touching live parts
- Can be used with threaded studs M8 to M16, depending on the conductor cross-section
- Mountable on TH35-7.5, 15 rail in accordance with IEC 60715



IEC 60947-7-1 rated data	RT/SH70	RT/SH95
Voltage (V)	1000	1000
Impulse voltage (kV)	8	8
Pollution degree/Voltage category/Material group	3/III/1	3/III/1
Current (A)	192	232
Cross-section (mm <sup>2</sup> )	70	95

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SH70	6010501002	5	RT/SH95	6010502002	5
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8 EB/3 10 EB/2 10	6020101006 6020101003 6020101002	50 50 50	EB/4 8 EB/3 10 EB/2 10	6020101006 6020101003 6020101002	50 50 50
Cover	RT/SH70	6020803001	10	RT/SH95	6020803001	10
Marking Tags	NS10	For details see Accessories		NS10	For details see Accessories	
Marking Holder	Marking Holder	6032100001	10	Marking Holder	6032100001	10
Strip Label	TBSL 22x20	For details see Accessories		TBSL 22x20	For details see Accessories	
Color						
<b>Dimensions (mm)</b>	<b>W / L / H</b>			<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	43/203/69.5			43/203/69.5		
Width/Length/Height, TH 35-15	43/203/77			43/203/77		
<b>Connection capacity</b>						
Cable lugs DIN 46234 (mm <sup>2</sup> )	2.5-70			6-95		
Cable lugs DIN 46235 (mm <sup>2</sup> )	16-70			16-95		
American Wire Gauge DIN 46234 (AWG)	14-2/0			10-3/0		
American Wire Gauge DIN 46235 (AWG)	6-2/0			6-3/0		
<b>Clamping screw</b>	<b>M8</b>			<b>M10</b>		
Hole diameter/Power rail	9/25 x 3			11/25 x 5		
Tightening torque (N.m)	15-20			25-30		
<b>Insulation material</b>	<b>PA</b>			<b>PA</b>		



IEC 60947-7-1 rated data	RT/SH150	RT/SH240
Voltage (V)	1000	1000
Impulse voltage (kV)	8	8
Pollution degree/Voltage category/Material group	3/III/I	3/III/I
Current (A)	309	415
Cross-section (mm <sup>2</sup> )	150	240

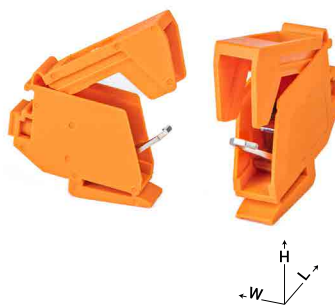
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15	RT/SH150	6010503001	5	RT/SH240	6010504001	4
End bracket, for TH 35-7.5, 15 width (mm)	EB/4 8 EB/3 10 EB/2 10	6020101006 6020101003 6020101002	50 50 50	EB/4 8 EB/3 10 EB/2 10	6020101006 6020101003 6020101002	50 50 50
Cover	RT/SH150	6020803001	10	RT/SH240	6020803001	10
Marking Tags	NS10	For details see Accessories		NS10	For details see Accessories	
Marking Holder	Marking Holder	6032100001	10	Marking Holder	6032100001	10
Strip Label	TBSL 22x20	For details see Accessories		TBSL 22x20	For details see Accessories	
Color						
<b>Dimensions (mm)</b>	<b>W / L / H</b>			<b>W / L / H</b>		
Width/Length/Height, TH 35-7.5	43/203/69.5			43/253/69.5		
Width/Length/Height, TH 35-15	43/253/77			43/253/77		
<b>Connection capacity</b>						
Cable lugs DIN 46234 (mm <sup>2</sup> )	10-150			25-240 *		
Cable lugs DIN 46235 (mm <sup>2</sup> )	25-150			50-185 *		
American Wire Gauge DIN 46234 (AWG)	8-300 Kcmil			4-500 Kcmil		
American Wire Gauge DIN 46235 (AWG)	4-300 Kcmil			0-350 Kcmil		
<b>Clamping screw</b>	<b>M12</b>			<b>M16</b>		
Hole diameter/Power rail	13/30 x 5			17/29.7 x 9.7		
Tightening torque (N.m)	25-30			30-35		
<b>Insulation material</b>	<b>PA</b>			<b>PA</b>		

\*Cable Lugs for RT/SH 240 should be installed under the current bar.



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# Transformer Terminal Blocks



RAAD transformer terminal blocks (RT/TC4) has below characteristics:

- According with IEC60947-7-1
- Made of self-extinguishing material with flamability class V2
- Has fit insulating cover
- Easy marking
- No need special preparations

IEC 60947-7-1 rated data		RT/TC4 (RT4)	
Voltage(V)/Impulse voltage (KV)		800 / 6	
Pollution degree/ Voltage category/ Material group		3/III/I	
Current (A)		32	
Cross - section (mm <sup>2</sup> )		4	

Description	Type	Ordering No.	Qty.
Transformer terminal block	RT/TC4	6010499002	50
Marking Tags	1 2 3	NS6.4 For details see Accessories	
color		■	

Dimensions (mm)	
Width/Length	7.5/21.7

Connection capacity	
Rigid solid (mm <sup>2</sup> )	0.5-4
Rigid stranded (mm <sup>2</sup> )	0.5-4
Flexible (mm <sup>2</sup> )	0.5-4
American wire gauge (AWG)	20-12

IEC test gauge	
Striping length (mm)	9
Clamping screw	M2.5
Tightening torque (N.m)	0.6

Insulation material	
	PA

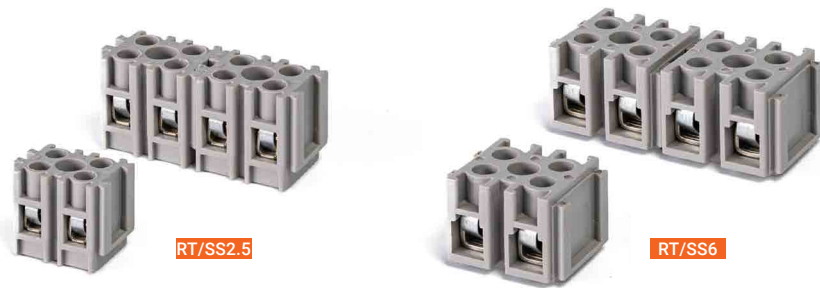


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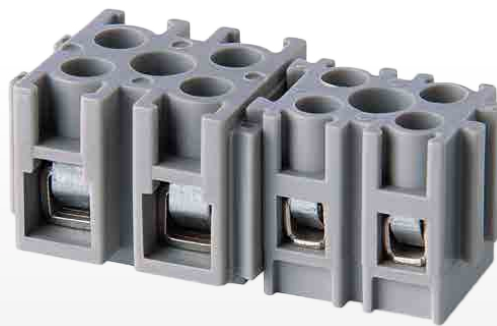
# Strip Terminal Block Series

The Strip terminals can be used for household and similar purposes, with direct mounting.

The RT/SS2.5 and RT/SS6 types have the benefit of double modules, "which can be mounted with any required strips by slide fitting."



- The specification that distinguishes RT/SS2.5 and RT/SS6 is their similar height that makes adjacent terminal blocks have the same height by tightening their bodies together.





**RT/SS2.5**  
(RMT2.5)

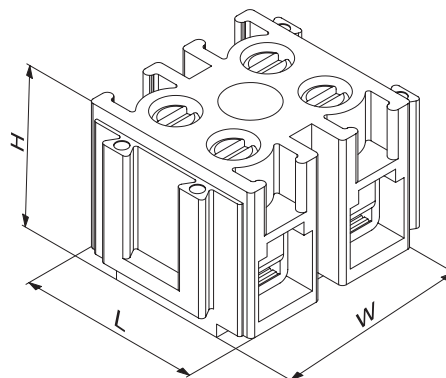
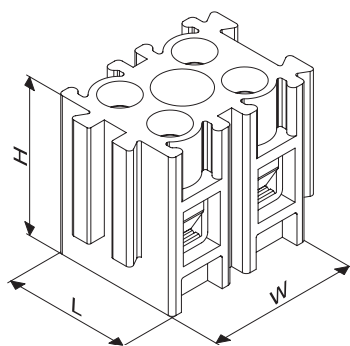


**RT/SS6**  
(RMT6)



IEC 60947-7-1 rated data	RT/SS2.5	RT/SS6
Voltage (V)	500	750
Impulse voltage (kV)	6	8
Pollution degree/ Voltage category/ Material group	3/III/1	3/III/1
Current (A)	24	41
Cross-section (mm <sup>2</sup> )	2.5	6

Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Strip Terminals Block	RT/SS2.5	60101030	100	RT/SS6	60101030	60
Screw Driver	0.5x3.0	-	-	0.6x3.5	-	-
Marking Tags	NS6	For details see Accessories		NS6	For details see Accessories	
Color (Color Code is the last 2 digits of the Ordering No.)		01	04		02	05
<b>Dimensions (mm)</b>	W / L / H			W / L / H		
Width/Length/Height,	14.7 / 21.4 / 17.8			21 / 25.5 / 17.8		
<b>Connection capacity</b>						
Rigid Solid (mm <sup>2</sup> )	0.5-4			0.5-10		
Rigid stranded (mm <sup>2</sup> )	0.5-4			0.5-10		
Flexible (mm <sup>2</sup> )	0.5-2.5			0.5-6		
American Wire Gauge (AWG)	20-12			20-8		
<b>IEC test gauge</b>	<b>A3</b>			<b>A5</b>		
Stripping length (mm)	10			12		
<b>Clamping screw/Tightening torque (N.m)</b>	<b>M2.5 / 0.4-0.6</b>			<b>M3.5 / 0.8-1.2</b>		
<b>Insulation material</b>	<b>PA</b>			<b>PA</b>		









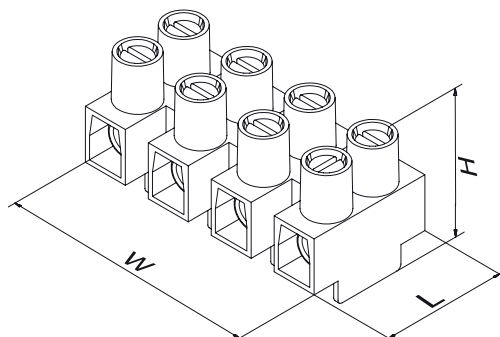
**RT/SS16**

(B16)



IEC 60998-2-1 rated data	RT/SS16
Voltage (V)	750
Impulse voltage (kV)	6
Pollution degree/ Voltage category /Material group	3/III/1
Current (A)	76
Cross-section (mm <sup>2</sup> )	16

Description	Type	Ordering No.	Qty.
Strip Terminals Block	RT/SS16/12	6010102008	8
	RT/SS16/10	6010102007	16
	RT/SS16/8	6010102006	24
	RT/SS16/6	6010102005	30
	RT/SS16/5	6010102004	32
	RT/SS16/4	6010102003	48
	RT/SS16/3	6010102002	32
	RT/SS16/2	6010102001	96
Screw Driver 	1.0x5.5	-	-
Color			
<b>Dimensions (mm)</b>			
Length/Height		26.5/26.2	
Width: 2pole		24.5	
3pole		39.5	
4pole		54.5	
5pole		69.5	
6pole		84.5	
8pole		114.5	
10pole		144.5	
12pole		175	
<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> )		0.5-10	
American Wire Gauge (AWG)		20-6	
<b>IEC test gauge</b>			
Stripping length (mm)		8.5	
<b>Clamping screw/Tightening torque (N.m)</b>			
		M5/2	
<b>Insulation material</b>			
		PA	





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# Splicing Connectors



- RAAD splicing connector series is the best choice for junction boxes, compact electrical devices, and LED light fixtures. RT/LH4 series have below characteristics:
- Convenient wiring via extremely compact design
- Easy to use and insertion of conductors
- Available in 2, 3 and 5 Poles
- specially designed for low-voltage installations (up to 450 V and up to 32A)
- providing safe and strength electrical and mechanical connections
- Continuous operating temperature from -20°C to 85°C
- Designed according to IEC 60998-1 requirements
- Test slot designed for measuring the connector voltage
- Transparent housing to assure proper insertion of conductors

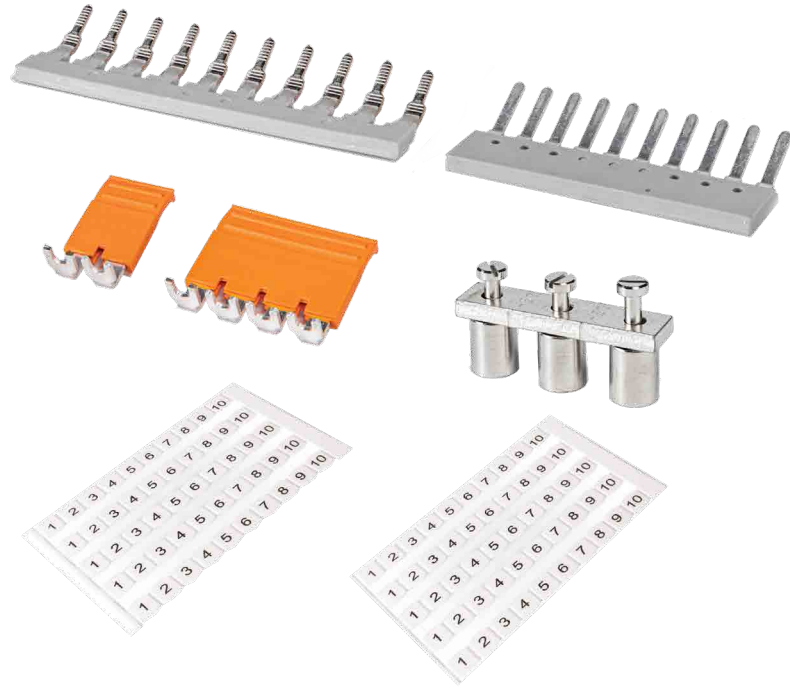
IEC 60998-1 rated data	RT/LH4		
Voltage(V)/Impulse voltage (KV)	450/ 4		
Pollution degree/ Voltage category/ Material group	3/III/1		
Current (A)	32		
Cross section (mm <sup>2</sup> )	4		
Description	Type	Ordering No.	Qty.
Splicing Connector	RT/LH4-5 5-pos.	6011301005	50
	RT/LH4-3 3-pos.	6011301003	50
	RT/LH4-2 2-pos.	6011301002	50
Total number of connection points	2,3,5		
color	Transparent		
Dimensions (mm)			
Length/ Height	20.6/ 10.5		
Width: 2 pole/ 3 pole/ 5 pole	13/ 18.6/ 29.8		
Connection capacity			
Solid (mm <sup>2</sup> )	0.5-4		
Stranded (mm <sup>2</sup> )	0.5-4		
American wire gauge (AWG)	20-12		
Strip length (mm)	11		
IEC test gauge	A3		
Insulation material: body / lever	PC/ PA		
Flammability rating per UL 94	V2		
Weight (g): 2 pole/ 3 pole/ 5 pole	2.3/ 3.3/ 5		



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# Terminal Block Accessories



- Marking system
- End Plates, Partitions, and Cover Base
- End Brackets
- Test Accessories
- Cross-Connection

# Marking System

## Marking Tags

### The NS type Marking Tags

This type of labeling meets the advantage of easy and quick handling. The NS sheets consist of white polyamide with Laser engraving.

The sheets are labeled horizontally with maximum 3 characters, easy to read and high-contrast. The UV Laser technology engraving are completely wiping resistant. The NS sheets can be divided at any point and can be manually labeled with ease. Note that special engraving can be requested by customers. Samples of the NS sheets can be seen in the below picture.



#### NS 5 (width 5 mm)

RT/PG2.5 series  
RT/SG2.5 series



#### NS 6 (width 6 mm)

RT/SU2.5 series  
RT/SK2.5 series  
RT/SG4 series  
RT/PG4 series  
RT/SS series



#### NS 6.4 (width 6.4 mm)

RT/SU4 series



#### NS 8 (width 8 mm)

RT/SU6 series  
RT/PG6 series  
RT/SG6 series  
RT/SF series  
RT/ST series



#### NS 10 (width 10 mm)

RT/SU10 ... 150 series  
RT/SH series  
RT/PG10, 16 series  
RT/SG10 series  
DSO series

### Packing

The NS sheets are delivered in plastic bags and special box of 10 sheets=50 strips=500 single tags.

# Marking Carriers Group



■ LB/1



Description	Type	Ordering No.	Qty.	Material	Dimensions (W/H/L)(mm)
Group marking carrier, for mounting on TH 35- 7.5, 15 width (mm)	LB/1 18.5	6020102001	50	PA	din rail 7.5 : 18.5/48/44.5 din rail 15 : 18.5/55.5/44.5



■ LB/2



Description	Type	Ordering No.	Qty.	Material	Dimensions (W/H/L)(mm)
Group marking carrier, for mounting on TH 35- 7.5, 15 width (mm)	LB/2 9.5	6020102002	50	PA	din rail 7.5 : 9.5/48/44.5 din rail 15 : 18.5/55.5/44.5



■ ELB/1



Description	Type	Ordering No.	Qty.	Material	Dimensions (W/H/L)(mm)		
Group marking carrier, for mounting on EB/1, EB/3 width (mm)	ELB/1 9.5	60201020□□	50	PA	9.5/22.5/43.5		
Color (Color Code is the last 2 digits of the Ordering No.)					<table border="1"> <tr> <td>03</td> <td>04</td> </tr> </table>	03	04
03	04						



■ ELB/4



Description	Type	Ordering No.	Qty.	Material	Dimensions (W/H/L)(mm)
Group marking carrier, for mounting on EB/4 width (mm)	ELB/4 8	6020101010	50	PA	8/31/46

# Marking Strip

## The Marking Strip

There is a special accessory called the marking holder which is designed for products that don't have a specific place to set up the strip in their bodies. In these products, Marking holder can be easily set on the body and a strip can be mounted in the marking holder.

In the following table, you can find the list of products that the marking strip can be applied.



■ Marking Holder

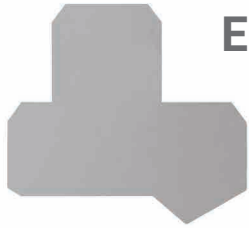
Ordering No. : 6032100001

- Screw terminal blocks:**
- |                                |                            |
|--------------------------------|----------------------------|
| RT/SU2.5 , RT/SU2.5-H , RT/SU4 | RT/SH70 , RT/SH95          |
| RT/SU6 , RT/SU10               | RT/SH150 , RT/SH240        |
| RT/SU16 , RT/SU25              | RT/SK2.5 , RT/SU4-3L       |
| RT/SU35 , RT/SU50 , RT/SU70    | RT/SK2.5-TS , DSO , DSO-LD |
| RT/SU95 , RT/SU150             | RT/ST6 , RT/ST6-L          |
| RT/SU4-2L , RT/SU2.5/4-2L      | RT/ST6-CMP , RSTP6         |
| RT/SU2.5/4-2L-L                |                            |

**Accessories:**  
EB/1, EB/2, EB/3



## End Plates, Partitions, and Cover Base



### End Plate (EP)

In the last terminal of an assembled rail, the end plates should be used for safety and finger protection, especially when the terminal block has no insulated cover. In the below table, you can find the terminal blocks and their suitable end plates.

Type	Ordering No.	Application	Material	Qty.
EP-RTP2.5	6020202005	RT/SU2.5	PA	100
EP-RTP2.5H-10	6020202105	RT/SU2.5-H, RTSU4, RT/SU6, RT/SU10	PA	50
EP1-DRTP4	6020203002	RT/SU4-2L	PA	20
EP2-DRTP4	6020203003	RT/SU4-2L	PA	20
EP3-DRTP4	6020203004	RT/SU4-2L	PA	20
EP-RSTT6	6020201003	RT/ST6-SHT, RT/ST6-SHT-L	PA	50
EP-RSTP6	6020201004	RSTP6	PA	50
EP-RSTN6	6020201006	RT/ST6-CMP	PA	50
EP-DRTP2.5/4	6020203001	RT/SU2.5/4-2L, RT/SU2.5/4-2L-L	PA	20
EP- RT/SU10-2L	6020203020	RT/SU10-2L	PA	20
EP-RT/SU2.5 3L0E5	6020206002	RT/SU2.5-3L0E5	PA	20

### Partition (P)



These Accessories have been designed to separate different terminal block groups. These accessories have bigger surfaces than the terminals and in case of using cross-connection groups, they should be used as a separator to maintain the required clearance and creepage distance.

Type	Ordering No.	Application	Material	Qty.
P-RTP2.5	6020301005	RT/SU2.5	PA	100
P-RTP2.5H-10	6020301105	RT/SU2.5-H, RT/SU4, RT/SU6, RT/SU10	PA	50
P-DRTP4	6020302001	RT/SU4-2L	PA	20

### Partition (P-RPIT2.5-10)



This partition is placed on the rail next to the RT/PG2.5-10 terminals and will increase the clearance and creepage distance between two groups of terminals with different voltage levels.

Type	Ordering No.	Application	Material	Qty.
P-RPIT2.5-10	6020303001	RPIT2.5, RPIT4, RPIT6, RPIT10, RPIT16, RPIT2.5-1/2, RPIT2.5-2/2	PA	100

## Small Partition (SP)



Space-saving partitions can be post-fitted between cross-connections for terminal blocks.

Type	Ordering No.	Application	Material	Qty.
SP-2.5-10	6020304001	RT/SU2.5, RT/SU2.5-H, RT/SU4, RT/SU6, RT/SU10	PA	100
SP-D4	6020304004	RT/SU4-2L	PA	100

## General Partition (GP)



These types of partitions serve for RT/SU16-50.

Type	Ordering No.	Application	Material	Qty.
GP	60203050 <span style="border: 1px solid orange; padding: 0 2px;"> </span> <span style="border: 1px solid orange; padding: 0 2px;"> </span>	RT/SU16, RT/SU25, RT/SU35, RT/SU50, RT/SU2.5/4-2L, RT/SU2.5/4-2L-L, RT/SU4-2L, RT/SU4-3L, RT/PG2.5-2L, RT/PG2.53L0E5, RT/PG4-2L, RT/PG4-2LE	PA	20

Color  
(Color Code is the last 2 digits  
of the Ordering No.)



## Cover Base (CB\1)



The Cover Base is used with a cover profile as protection from touching live parts of electrical components. This can be mounted on both TH-35 and G rail.

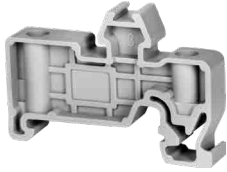
Type	Ordering No.	Material	Qty.
CB\1	6020802001	PA	10

# End Brackets

## End Brackets

These types of accessories are provided to keep tightly installed terminal blocks on the rail

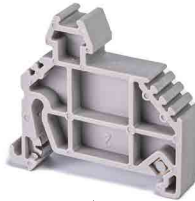
EB/1



EB/2



EB/3



EB/4



Ordering No.	Description	Qty.	Dimensions (W/H/L)(mm)	Material
6020101001	End bracket For mounting on TH35, adjustable with terminal NS marking	50	9.5 / 35 / 50.6	PA

Ordering No.	Description	Qty.	Dimensions (W/H/L)(mm)	Material
6020101002	End bracket For mounting on G32 and TH35, adjustable with terminal NS marking	50	10 / 50 / 55.5	PA

Ordering No.	Description	Qty.	Dimensions (W/H/L)(mm)	Material
60201010□□	End bracket For mounting on TH35, adjustable with terminal NS marking	50	10 / 42.8 / 45.6	PA

Color (Color Code is the last 2 digits of the Ordering No.)



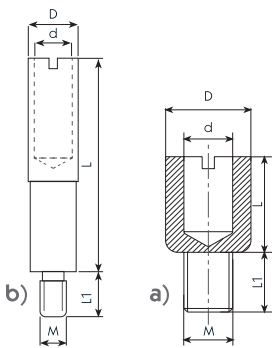
Ordering No.	Description	Qty.	Dimensions (W/H/L)(mm)	Material
60201010□□	End bracket For mounting on TH35, adjustable with terminal NS marking	50	8/41.8/53.5	PA/PC

Color (Color Code is the last 2 digits of the Ordering No.)



# Test Accessories

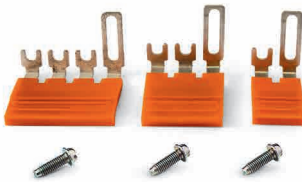
## Test Socket



These types of accessories, are designed to give the possibility of current and voltage measurement in the electrical panel and are provided to keep tightly installed in the middle of terminal block busbar.

Type	Ordering No.	Drawing	L	L1	d	D	M	Application	Qty.
TS3/6/2.3	6020402001	a	6	3.5	2.3	4	3	RT/SU2.5, RT/SU4, RT/SU4-2L, RT/SU2.5-H, RT/SU4-3L, RT/SU2.5-3L0E5, RT/SU2.5/4-2L	50
TS3/8/4	6020402002	a	8	3.5	4	6	3	RT/SU10, RT/SU10 2L	50
TS3.5/8/4	6020402003	a	8	5	4	7	3.5	RT/SU16	50
TS4/8/4	6020402004	a	8	5	4	7	4	RT/SU25,35	50
TS6 Blue TS6 Yellow TS6 Gray TS6 Red TS6 Black TS6 Orange	6020401001 6020401004 6020401005 6020401006 6020401009 6020401010	b	26	4	4	5.5	3	RT/ST6, RT/ST6-L, RT/ST6-SHT, RT/ST6-SHT-L, RT/SU6	50

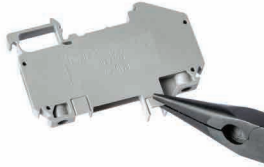
## Moveable Cross Connection (Link)



The moveable link, which is made of brass and has a polyamide insulation body, permits the current branching for the terminal block, functioning as a cross-connection, which makes a connection, and thus installed, can be also disconnected. It is used in test disconnect terminal blocks.

Type	Ordering No.	Application	Qty.
ML2N	6020602001	RT/ST6, RT/ST6-L, RT/ST6-SHT, RT/ST6-SHT-L	50
ML3N	6020602002	RT/ST6, RT/ST6-L, RT/ST6-SHT, RT/ST6-SHT-L	50
ML4N	6020602003	RT/ST6, RT/ST6-L, RT/ST6-SHT, RT/ST6-SHT-L	50
L2	6020501001	RT/ST6-CMP	50
L3	6020501002	RT/ST6-CMP	50
L4	6020501003	RT/ST6-CMP	50

# Cross-Connection



For the cross-connection bar, connection sleeves and screws are already captively mounted with the corresponding number of poles. The cross-connection then only requires inserting in the individual terminal row when fitting. The cross-connection unit is supplied in 2, 3 and 10 poles. Easy to cut the insulated body of terminal blocks with a nose plier or cutting tools to use rapidly jumping systems, is distinguished RAAD terminal blocks. This method can be used for types: RT/ST6, RT/ST6-SHT, RT/SU4-3L,...

## Screw Cross-Connection Bar(CC)



To handle cross-connection of several terminal blocks, with the same potential, copper cross-connection bars are used. These cross-connection bars supplied in 2, 3 and 10 poles; and their length are equal to the individual terminal width. The cross-connection bar is electrically joined through a connection sleeve to the terminal block busbar.

The length of the brass connection sleeve is matched to the individual terminal. In order to be able to connect the cross-connection bar and the connection sleeve to a terminal block busbar, a brass screw is applied. The cross-connections are designed so that where a terminal does not need any cross-connection; it is possible to remove the screw and its sleeve, thus no cross-connection occurs in the terminal.

Type	Ordering No.	Max. Current (A)	Application	Qty.
CC10-2.5	6020502009	24	RT/SU2.5, RT/SU2.5-H, RT/SU2.5/4-2L RT/SU2.5-3L0E5	10
CC3-2.5	6020502002			50
CC2-2.5	6020502001			50
CC10-4	6020502109	32	RT/SU4	10
CC3-4	6020502102			50
CC2-4	6020502101			50
CC10-D4	6020503009	32	RT/SU4-2L, RT/SU4-3L	10
CC3-D4	6020503002			50
CC2-D4	6020503001			50
CC10-6	6020502209	41	RT/SU6, RT/ST6, RT/ST6-L, RT/ST6-SHT, RT/ST6-SHT-L, RT/ST6-CMP	10
CC3-6	6020502202			50
CC2-6	6020502201			50
CC10-10	6020502309	57	RT/SU10, RT/SU10-2L	10
CC3-10	6020502302			50
CC2-10	6020502301			50
CC10-16	6020502409	76	RT/SU16	10
CC3-16	6020502402			20
CC2-16	6020502401			20
CC10-25	6020502419	101	RT/SU25	10
CC3-25	6020502412			20
CC2-25	6020502411			20
CC10-35	6020502439	114*	RT/SU35	10
CC3-35	6020502432			20
CC2-35	6020502431			20
CC3-50	6020502452	132**	RT/SU50	10
CC2-50	6020502451			10
CC2-70	6020502472	132	RT/SU70	10
CC3-70	6020502471			10
CC3-95	6020502492	200***	RT/SU95	10
CC2-95	6020502491			10
CC2-150	6020502511	250	RT/SU150	10
CC3-150	6020502512			10

\* In accordance with IEC/EN 60947-7-1, 124 A is recommended and in accordance with IEC/EN 60079-7, 114 A is recommended

\*\* In accordance with IEC/EN 60947-7-1, 140 A is recommended and in accordance with IEC/EN 60079-7, 132 A is recommended

\*\*\* In accordance with IEC/EN 60947-7-1, 210 A is recommended and in accordance with IEC/EN 60079-7, 200A is recommended

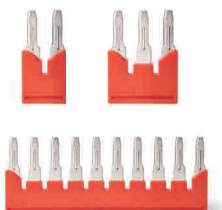
## Bridge Comb (BC)



This type of cross connection is consisted of plastic (PA) and copper parts and meet the best connection between the same voltage level of various terminal blocks, needing no special tools. This type of cross-connection in 2, 3, 10 branches/poles are available based on request.

Type	Ordering No.	Max.Current (A)	Application	Qty.
BC 10-2.5	6020504009	24	RT/SU2.5, RT/SU2.5-H, RT/SU2.5-2L, RT/SU2.5-2L-L, RT/SK2.5, RT/SK2.5-R, RT/SK2.5-D, RT/SK2.5-F, RT/SK2.5-FLD, RT/SU2.5-3L0E5	10
BC 3-2.5	6020504002			50
BC 2-2.5	6020504001			50
BC10-4	6020504109	32	RT/SU4, RT/SU4-2L, RT/SU4-3L, RT/SG4, RT/SG4-2L	10
BC3-4	6020504102			50
BC2-4	6020504101			50
JEB10-6	6020506009	41	RT/SU6, RT/ST6, RT/ST6-L, RT/ST6-SHT, RT/ST6-SHT-L, RSTP6, RT/ST6-CMP, RT/SF4, RT/SF4-LD, RT/SG6, RT/SF4-2L, RT/SF4-2L-LD	10
JEB3-6	6020506002			50
JEB2-6	6020506001			50

## Bridge Screwless (BS)



Confidence in connection attained by using copper for metal parts of BS. This type of jumpers can be used for RAAD screwless terminal block types: RT/PG.

Type	Ordering No.	Max.Current (A)	Application	Qty.
BS 10-2.5	6020505009	20*	RT/PG2.5, RT/PG2.5 - 2L, RT/PG2.5-3L0E5, RT/PG2.5 - 1/2, RT/PG2.5 - 2/2, RT/SG2.5, RT/SG2.5-2L	10
BS 3-2.5	6020505002			50
BS 2-2.5	6020505001			50
BS 10-4	6020505109	26**	RT/PG4, RT/PG4-2L, RT/SG4, RT/SG4-2L	10
BS 3-4	6020505102			50
BS 2-4	6020505101			50
BS 10-6	6020505209	41	RT/PG6, RT/SG6, RT/SF4-2L, RT/SF4-2L-LD	10
BS 3-6	6020505203			50
BS 2-6	6020505201			50
BS 3-10	6020505302	57	RT/PG10, RT/SG10	10
BS 2-10	6020505301			10
BS 3-16	6020505402	76	RT/PG16	10
BS 2-16	6020505401			10

\* In accordance with IEC/EN 60947-7-1, 24 A is recommended and in accordance with IEC/EN 60079-7, 20A is recommended.

\*\* In accordance with IEC/EN 60947-7-1, 32 A is recommended and in accordance with IEC/EN 60079-7, 26A is recommended.