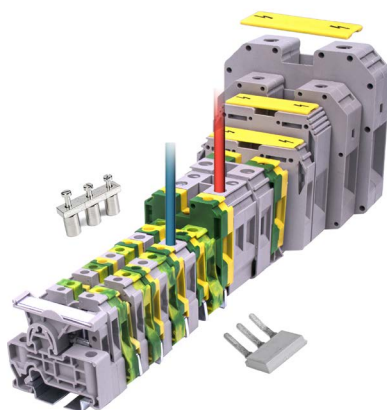




Screw Connections

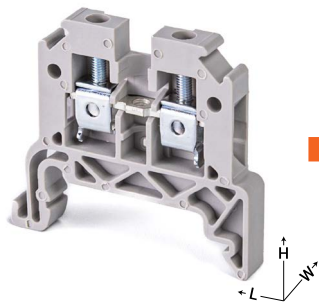
This is the most popular of all known methods of connection. No other connection method allows such high contact forces to be produced in such a small space as a screw. RAAD terminal block screw connection is easy to operate with a standard screwdriver or allen wrench, suitable for all types of conductors 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.

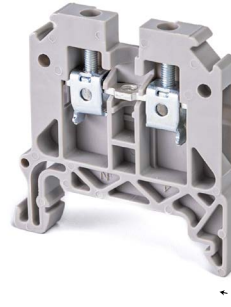
RAAD offers the RT/SU series with the following advantages:

- 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

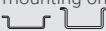
(RTP2.5)

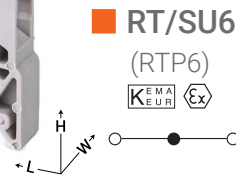
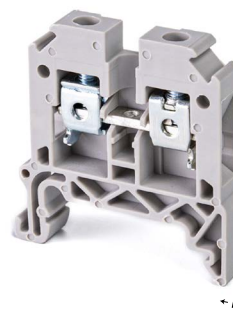
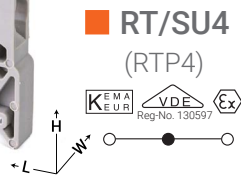
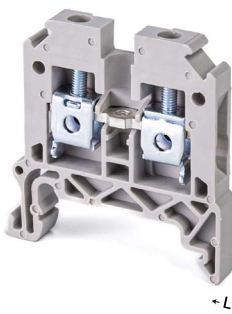


RT/SU2.5-H

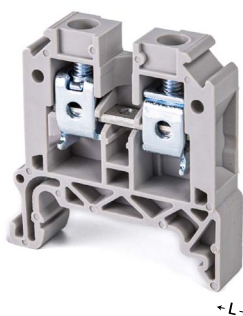
(RTP2.5-H)



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	
IEC 60947-7-1 rated data						
Impulse voltage (kV)	6			6		
Pollution degree/Voltage category/Material group	3/III/I			3/III/I		
Maximum Current (A)	32			32		
Maximum Conductor Cross-section (mm²)	4			4		
Cross-section (mm²)	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	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		
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.)						
Dimensions (mm)	W / L / H			W / L / H		
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		
Connection capacity						
Rigid Solid (mm²)	0.5-4			0.5-4		
Rigid stranded (mm²)	0.5-4			0.5-4		
Flexible (mm²)	0.5-2.5			0.5-2.5		
American Wire Gauge (AWG)	20-12			20-12		
IEC test gauge	A3			A3		
Stripping length (mm)	10			10		
Clamping screw	M2.5			M2.5		
Tightening torque (N.m)	0.6			0.4-0.6		
Insulation material	PA			PA		

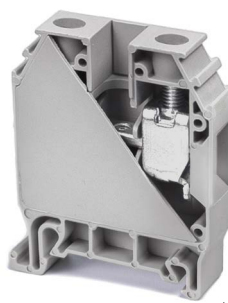
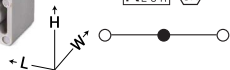


Technical data	RT/SU4			RT/SU6		
	Voltage(V)	Current(A)		Voltage(V)	Current(A)	
IEC 60947-7-1	800	32		800	41	
IEC/EN 60079-7	500	32		500	41	
IEC 60947-7-1 rated data						
Impulse voltage (kV)	6			8		
Pollution degree/Voltage category/Material group	3/III/I			3/III/I		
Maximum Current (A)	41			57		
Maximum Conductor Cross-section (mm ²)	6			10		
Cross-section (mm ²)	4			6		
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15 	RT/SU4	60104030 	100	RT/SU6	60104040 	80
End plate  Width (mm)	EP-RTP2.5H-10 1.2	60202021 	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	6020101006	50	 EB/4	6020101006	50
	 EB/3	6020101003	50	 EB/3	6020101003	50
	 EB/10	6020101003	50	 EB/10	6020101003	50
	 EB/9.5	6020101001	50	 EB/9.5	6020101001	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)						
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)						
Test Socket 	TS3/6/2.3 -	6020402001 -	50	- TS6	- 6020401005	- 50
Screw Driver 	0.5x3.0	-	-	0.6x3.5	-	-
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.)						
Dimensions (mm)	W / L / H			W / L / H		
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		
Connection capacity						
Rigid Solid (mm ²)	0.5-6			0.5-10		
Rigid stranded (mm ²)	0.5-6			0.5-10		
Flexible (mm ²)	0.5-4			0.5-6		
American Wire Gauge (AWG)	20-10			20-8		
IEC test gauge	A4			A5		
Stripping length (mm)	12			12		
Clamping screw/ Tightening torque (N.m)	M3/0.8			M3.5/1.2		
Insulation material	PA			PA		



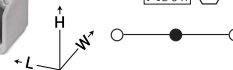
RT/SU10

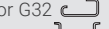
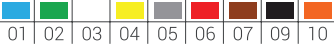
(RTP10)

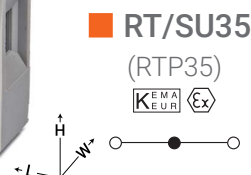
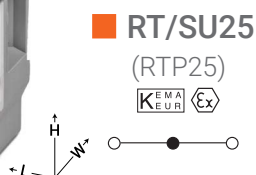


RT/SU16

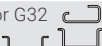
(RTP16)



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	
IEC 60947-7-1 rated data						
Impulse voltage (kV)	8			8		
Pollution degree/ Voltage category/Material group	3/III/I			3/III/I		
Maximum Current (A)	76			-		
Maximum Conductor Cross-section (mm²)	16			-		
Cross-section (mm²)	10			16		
Description	Type	Ordering No.	Qty.	Type	Ordering No.	Qty.
Terminal block, for mounting on TH 35-7.5, 15 	RT/SU10	60104050 	60	RT/SU16	60104060 	50
End plate  Width (mm)	EP-RTP2.5-H-10 1.2	60202021 	100	-	-	-
Partition  Width (mm)	P-RTP2.5-H-10 1.6	60203010 	100	-	-	-
Small partition no loss of pitch 	SP-2.5-10	6020304001	100	-	-	-
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. CC3-10 3-pos. CC2-10 2-pos. 57	6020502009 6020502002 6020502001	10 50 50	CC10-16 10-pos. CC3-16 3-pos. CC2-16 2-pos. 76	6020502409 6020502402 6020502401	10 20 20
max. current (A)						
Test Socket 	TS3/8/4 TS6	6020402002 6020401005	50 50	TS3.5/8/4 -	6020402003 -	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.)						
Dimensions (mm)	W / L / H			W / L / H		
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		
Connection capacity						
Rigid Solid (mm²)	0.5-16			0.5-16		
Rigid stranded (mm²)	0.5-16			0.5-16		
Flexible (mm²)	0.5-10			0.5-16		
American Wire Gauge (AWG)	20-6			20-6		
IEC test gauge	B6			B7		
Stripping length (mm)	12			12.3		
Clamping screw/ Tightening torque (N.m)	M4/1.5			M5/2.5		
Insulation material	PA			PA		



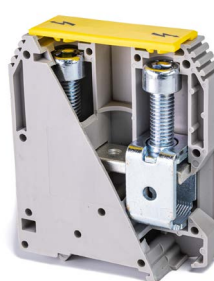
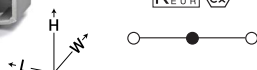
Technical data	RT/SU25		RT/SU35	
	Voltage(V)	Current(A)	Voltage(V)	Current(A)
IEC 60947-7-1	1000	101	1000	125
IEC/EN 60079-7	630	101	630	124
IEC 60947-7-1 rated data				
Impulse voltage (kV)	8		8	
Pollution degree/Voltage category /Material group	3/III/I		3/III/I	
Cross-section (mm ²)	25		35	

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. 101	6020502419 6020502412 6020502411	10 20 20	CC10-35 10-pos. CC3-35 3-pos. CC2-35 2-pos. 114	6020502439 6020502432 6020502431	10 20 20
max. current (A)						
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.)						
Dimensions (mm)	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		
Connection capacity						
Rigid Solid (mm²)	0.5-16			1.5-16		
Rigid stranded (mm²)	0.5-25			1.5-35		
Flexible (mm²)	0.5-25			1.5-35		
American Wire Gauge (AWG)	20-4			16-2		
IEC test gauge	B8			B9		
Stripping length (mm)	12.3			14.9		
Clamping screw	M5			M6		
Tightening torque (N.m)	2.5			3.5		
Insulation material	PA			PA		



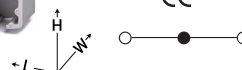
RT/SU50

(RTP50)

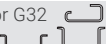


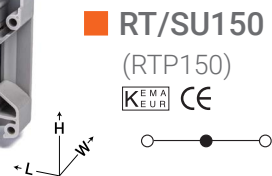
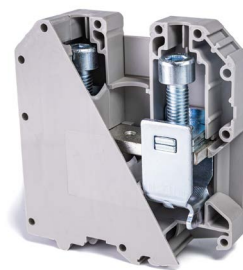
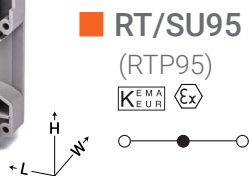
RT/SU70

(RTP70)



Technical data	RT/SU50		RT/SU70	
	Voltage(V)	Current(A)	Voltage(V)	Current(A)
IEC 60947-7-1	1000	150	1000	192
IEC/EN 60079-7	800	140	-	-
IEC 60947-7-1 rated data				
Impulse voltage (kV)	8		8	
Pollution degree/ Voltage category/ Material group	3/III/I		3/III/I	
Cross-section (mm ²)	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 max. current (A)		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
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.)							
Dimensions (mm)		W / L / H			W / L / H		
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		
Connection capacity							
Rigid Solid (mm²)		6-16			6-16		
Rigid stranded (mm²)		6-50			6-70		
Flexible (mm²)		10-50			10-70		
American Wire Gauge (AWG)		10-0			8-00		
IEC test gauge		B10			B11		
Stripping length (mm)		19			19		
Clamping screw		M8			M8		
Tightening torque (N.m)		4.5-8			10		
Insulation material		PA			PA		



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	-	-
IEC 60947-7-1 rated data				
Impulse voltage (kV)	8		8	
Pollution degree/Voltage category /Material group	3/III/I		3/III/I	
Cross-section (mm ²)	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 	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
max. current (A)						
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		
Dimensions (mm)	W / L / H			W / L / H		
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		
Connection capacity						
Rigid Solid (mm ²)	6-16			6-16		
Rigid stranded (mm ²)	6-95			6-150		
Flexible (mm ²)	10-95			10-150		
American Wire Gauge (AWG)	10-3/0			10-300 (Kcmil)		
IEC test gauge	B12			B14		
Stripping length (mm)	24.5			27		
Clamping screw	M8			M10		
Tightening torque (N.m)	14			18-22		
Insulation material	PA			PA		