

RHT SERIES HIGH CURRENT TERMINAL BLOCKS

General Information

- > Steel-clamping structure with self-locking function and high contact pressure
- > Conform to RoHS compliance
- > Conductor's cross sectional area range: 25~400mm²

Model overview

	50mm ²	70mm ²	95mm ²	150mm ²	240mm ²
Universal	•	•	•	•	•
Ground	•	•	•	•	•



Product Details

First-rate insulating material

- Imported Nylon Pa66 guarantees good insulating properties, flammability, toughness and aging resistance for insulated parts.
- Highly corrosion resistance properties effectively resist termites, anaerobe, fungus, and commonly used detergent, like most oils, lipids, alcohol and carbon tetrachloride.

Good electrical properties

- Red-copper conducting plate prints lateral teeth marks. Tin-plating plates with high electricity and corrosion resistance properties ensure low contact resistance and good air tightness performance.
- Worldwide used steel-clamping structure made of carefully chosen steel strip achieves self-locking, anti-seismic and anti-loose functions, which guarantees lasting contact pressure.
- Cross grain on conducting plates separates plates from possible oxide layer to achieve good anti-pull connection.

Reliable mechanical properties

- Above clamping yoke, spring washer makes counterforce which acts on screw to achieve self-locking between screw and clamping yoke.
- The elasticity of clamping yoke itself can counterbalance the deformation caused by heat, which achieves maintenance-free.
- Allen screws used for connection, with greater tightening torque. (RHT50 also provides minus screw to connect.)
- The locker insulating part is totally enclosed, which improves structure stability and safety.
- The tightening torque is 50% higher than national standard.



Operating conditions

- Max. working temperature: +100°C
 - Min. static working temperature: -40°C
 - Relative humidity: ≤90%
 - Altitude: ≤2000m
- When terminal blocks operated at the height of 2000m, rated voltage would relatively descend, which is caused by air cooling and decline of dielectric strength.
- Installation type: III
 - Pollution severity: Grade 3

Applicable standards

- IEC60947-7-1
- UL1059
- GB/T 14048.7

Certificates


- CE
- UL
- RoHS



	RHT50 Universal				RHT70 Universal			RHT95 Universal			
Dimensions											
Width/Length/Height (mm) *	70.5/20.5/ (83.5/81.5)				76/22.5/ (92/89.8)			83/25/ (97.5/95.5)			
Stripping Length(mm)/Clamping screw/Tightening torque Nm ▲	24/M6/ (6-8)				24/M8▲/ (15-20)			33/M8▲/ (15-20)			
Rated data											
Rated Voltage/Rated current/Rated cross-section	1000V/150A/50mm ²				1000V/192A/70mm ²			1000V/232A/95mm ²			
Rated impulse voltage/Pollution severity	8kV/3				8kV/3			8kV/3			
Cross-connection I _{max}	I _{max} :150A				I _{max} :192A			I _{max} :232A			
Clampable conductors(mm²)											
Solid											
Stranded	25.....50				25.....70			35.....95			
Stranded with ferrule	25.....50				25.....70			35.....95			
Max. conductors with Insertion bridge (Solid/Stranded)								95/70			
Ordering data											
	Tool	Type	Qty	Order No.	Type	Qty	Order No.	Type	Qty	Order No.	
		RHT50 GY	10	811045	RHT70 GY	10	811011	RHT95 GY	10	811009	
		RHT50 GY	10	811008							
Cross-connection											
	2-Pole	CQ2-50	10	811172	CQ2-70	10	811202				
	3-Pole	CQ3-50	10	811173	CQ3-70	10	811203				
	4-Pole	CQ4-50	10	811174							
Insertion bridge											
	2-Pole							CQB2-95	5	811272	
	3-Pole							CQB3-95	5	811273	
End bracket											
	For RTR35*15 mounting rail	RF1	50	810089	RF1	50	810089	RF1	50	810089	
	For RTR32*15 mounting rail	GDQ2	50	847011	GDQ2	50	847011	GDQ2	50	847011	
Complementary part											
	Complement the clamping Yoke to connect flat cable.	RHT50-CC	5	811935	RHT70-CC	5	811936	RHT95-CC	5	811937	
Screwdriver											
		1.2*8.0 / Allen wrench S=5mm			Allen wrench S=6mm			Allen wrench S=6mm			
Marking tags											
	Blank	TM10.5/10		811905	TM10.5/10		811905	TM10.5/10		811905	
	Marking direction: horizontal	TM10.5/10H		811915	TM10.5/10H		811915	TM10.5/10H		811915	
	Marking direction: vertical	TM10.5/10V		811925	TM10.5/10V		811925	TM10.5/10V		811925	

* Note: √ for RTR35*7.5, ⊥ for RTR35*15.

▲ Note: Allen screw.

RHT150 Universal			RHT240 Universal			RHT50PE Ground			RHT95PE Ground		
100/31/ (118.5/116)			100/36/ (131.5/129.5)			70.5/20.5/ (83.5/81.5)			83/25/ (97.5/95.5)		
40/M10▲/ (25-30)			40/M10▲/ (25-30)			24/M6/ (6-8)			33/M8▲/ (15-20)		
1000V/309A/150mm ²			1000V/415A/240mm ²			50mm ²			95mm ²		
8kV/3			8kV/3			8kV/3			8kV/3		
Imax:300A			Imax:382A								
50.....150			70.....240			25.....50			35.....95		
50.....150			70.....240			25.....50			35.....95		
150/120			240/185								
Type	Qty	Order No.	Type	Qty	Order No.	Type	Qty	Order No.	Type	Qty	Order No.
RHT150 GY	5	811010	RHT240 GY	5	811014	RHT50PE 	10	811321	RHT95PE	5	811315
						RHT50PE 	10	811314			
CQB2-150	5	811282	CQB2-240		811312						
CQB3-150	5	811283	CQB3-240		811313						
RF1	50	810089	RF1	50	810089	RF1	50	810089	RF1	50	810089
GDQ2	50	847011	GDQ2	50	847011	GDQ2	50	847011	GDQ2	50	847011
RHT150-CC	5	811938	RHT240-CC	5	811939	RHT50-CC	5	811935	RHT95-CC	5	811937
Allen wrench S=8mm			Allen wrench S=8mm			1.2*8.0 / Allen wrench S=5mm			Allen wrench S=6mm		
TM10.5/10		811905	TM10.5/10		811905	TM10.5/10		811905	TM10.5/10		811905
TM10.5/10H		811915	TM10.5/10H		811915	TM10.5/10H		811915	TM10.5/10H		811915
TM10.5/10V		811925	TM10.5/10V		811925	TM10.5/10V		811925	TM10.5/10V		811925