

# HDB6v Residual Current Protection Module

Standard: IEC 61009-1  
 Electronic type: AC  
 Sensitivity: 30,100,300mA

## Function

HDB6v can be assembled with HDB6s to be residual current breaker overcurrent

- Protection of persons against indirect contacting
- Supplementary protection of persons against direct contacting
- Prevention of electric-caused fire
- Overvoltage protection by products marked "G"

## Order Information



Frame	Type	Voltage (V)	Sensitivity (mA)	Width	Reference
V32	1P+N	230	30	5	HDB6v321N
			100	5	HDB6v321NR100
			300	5	HDB6v321NR300
	2P	230	30	7	HDB6v322P
			100	7	HDB6v322PR100
			300	7	HDB6v322PR300
	3P	400	30	10	HDB6v323P
			100	10	HDB6v323PR100
			300	10	HDB6v323PR300
	3P+N		30	11	HDB6v323N
			100	11	HDB6v323NR100
			300	11	HDB6v323NR300
4P		30	13	HDB6v324P	
		100	13	HDB6v324PR100	
		300	13	HDB6v324PR300	
V63	1P+N	230	30	6	HDB6v631N
			100	6	HDB6v631NR100
			300	6	HDB6v631NR300
	2P	230	30	8	HDB6v632P
			100	8	HDB6v632PR100
			300	8	HDB6v632PR300
	3P	400	30	12	HDB6v633P
			100	12	HDB6v633PR100
			300	12	HDB6v633PR300
	3P+N		30	14	HDB6v633N
			100	14	HDB6v633NR100
			300	14	HDB6v633NR300
	4P		30	16	HDB6v634P
			100	16	HDB6v634PR100
			300	16	HDB6v634PR300

Note: Width refers to multiple of 9mm.

Final Distribution

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## Technical Data

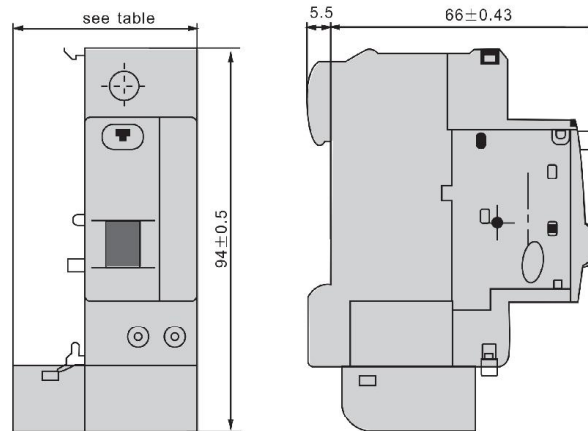
RCBO	HDB6v Residual Current Protection Module			
Electrical Features	Standard	IEC61009-1		
	Electronic Type	AC		
	Poles	1P+N, 2P, 3P, 3P+N, 4P		
	Rated Current In	V32 In≤32A V63 In≤63A		
	Rated Voltage Ue	230/400V AC		
	Rated Insulation Voltage	500V		
	Breaking Capacity	after HDB6s assembled with reference to HDB6s parameters		
	Sensitivity	30,100,300mA		
	Tripping Indication	On HDB6v is a residual opening current indication, which distinguish residual current from other faults		
	Manual Control	Manual control:allows for two kinds of reset HDB6v resets at the same time with breaker HDB6v resets before breaker		
"G" products offer overvoltage protection	280V±5% AC,applicable to products with 1P+N and 2P			
Mechanical Features	Electrical Durability	2000 times(In≤25A) 1000times(In>25A)		
	Mechanical Durability	2000 times		
	Protection Degree	IP20		
	Tropicaliation	treatment 2		
	Ambient Temperature	-5°C ~ +40°C		
Connection	-Up to 16mm <sup>2</sup> cables(V32) -Up to 25mm <sup>2</sup> cables(V63)			
Installation	Rate current(A)	Screw	Rated Torque (Nm)	Limiting Torque (Nm)
	V32	M4	2.2	3.0
	V63	M5	2.5	4.5

# HDB6v Residual Current Protection Module

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## Overall Dimensions

Unit:mm



Final Distribution

Pole	V32	V63
1P+N	45±0.32	54±0.37
2P	63±0.37	72±0.43
3P	90±0.5	108±0.57
3P+N	99±0.5	126±0.64
4P	117±0.57	144±0.72

## Assembly



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