

# HDB9PLE Residual Current Operated Circuit Breaker

Standard: IEC/EN 61009-1  
 Electronic Type: AC  
 Breaking Capacity: 4500A, 6000A  
 Sensitivity: 30mA



## Function

HDB9PLE electronic type residual current operated circuit breakers combine the following functions:

- Protection of circuits against overload currents
- Protection against short-circuit currents
- Protection against indirect contacts
- Additional protection for users against direct contacts (30mA)
- Protection for electrical installations against insulation faults (fire hazard, etc.)
- Isolation

## Order Information

Type	Rating (A)	Breaking Capacity (kA)	Width (in mode.of 9mm)	Reference
				C curve
	6	4.5	2	HDB9PLEa40C6s
	10	4.5	2	HDB9PLEa40C10s
	16	4.5	2	HDB9PLEa40C16s
	20	4.5	2	HDB9PLEa40C20s
	25	4.5	2	HDB9PLEa40C25s
	32	4.5	2	HDB9PLEa40C32s
	40	4.5	2	HDB9PLEa40C40s
	6	6	2	HDB9PLEN40C6s
	10	6	2	HDB9PLEN40C10s
	16	6	2	HDB9PLEN40C16s
	20	6	2	HDB9PLEN40C20s
	25	6	2	HDB9PLEN40C25s
	32	6	2	HDB9PLEN40C32s
	40	6	2	HDB9PLEN40C40s



## Technical Data

RCBO		HDB9PLE Residual Current Operated Circuit Breaker					
Electrical Features	Standard	IEC/EN 61009-1					
	Certificate	CB,CE,TUV					
	Electronic Type	AC					
	Poles	1P+N					
	Rated Current In (A)	6, 10, 16, 20, 25, 32, 40					
	Insulation Voltage Ui	500V					
	Breaking Capacity	4500A, 6000A					
Sensitivity	30mA						
Tripping Curve (see following tripping curve pictures)							
C Curve: the magnetic release operates between 5 and 10 In							
Mechanical Features	Electrical Durability	10000 times					
	Mechanical Durability	20000 times					
	Protection Degree	IP20					
	Tropicalization	Treatment 2					
	Ambient Temperature	-25°C~+70°C					
Rated Current, A	6	10	16,20	25	32	40	
Cross-sectional area of conductor mm <sup>2</sup>	1	1.5	2.5	4	6	10	

# HDB9PLE Residual Current Operated Circuit Breaker

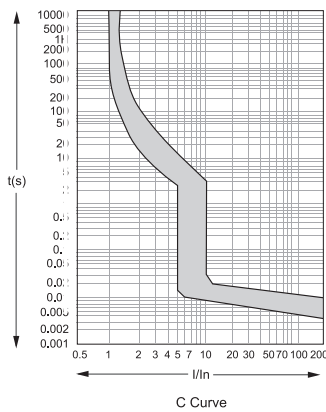
Standard: IEC/EN 61009-1  
 Electronic Type: AC  
 Breaking Capacity: 4500A, 6000A  
 Sensitivity: 30mA



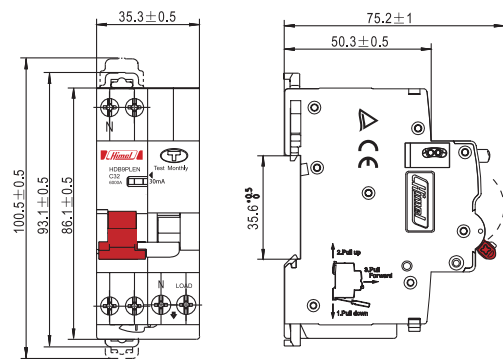
## Technical Data

RCBO		HDB9PLE Residual Current Operated Circuit Breaker		
Connection	6 - 40A, up to 25mm <sup>2</sup> cables			
Electrical Features	Rated Current(A)	Screw	Rated Torque (Nm)	Limiting Torque (Nm)
	6-40	M4	2.0	3.0
Mounting	35mm Din-Rail			

### Tripping Curve



### Overall Dimensions



### Accessories

