

HDB3w-125 Molded Case Circuit Breaker

Functions and Features
IEC60947-2

3SERIES
MORE VALUE FOR PRICE!



HDB3w-125 Molded Case Circuit Breaker has The Following Features

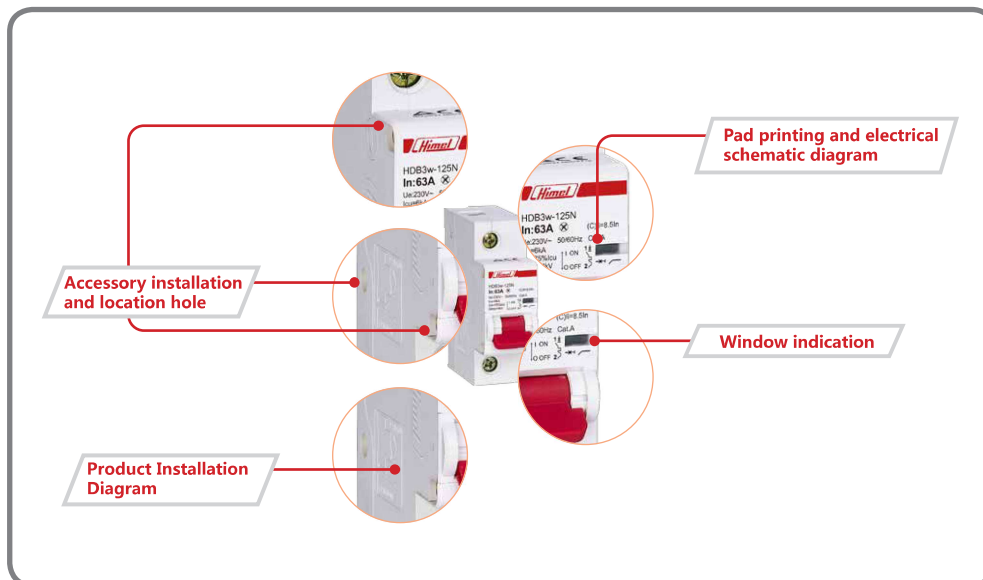
- Short circuit protection
- Overload protection
- Isolating function

Main Features

Rated operating voltage (V)	1P: 230VAC
	2P,3P,4P: 400VAC
Rated current (A)	63-125
Rated frequency (Hz)	50/60
Poles	1P,2P,3P,4P
Breaking capacity (kA)	6, 10



Product Details Display



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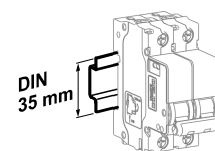


Electrical Characteristics

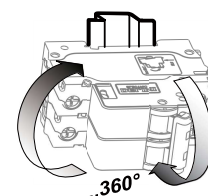
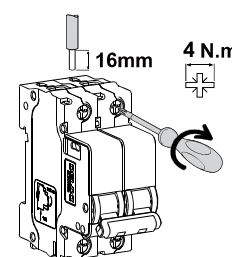
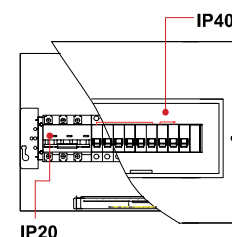
Rated insulation voltage U_i	(V)	250 (phase-to-ground) / 500 (phase-to-phase)
Maximum working voltage U_{Bmax}	1P (V)	230VAC
	2P,3P,4P	400VAC
Rated short-circuit capacity I_{cn} (IEC/EN60898)	(KA)	6, 10
Rated impulse withstand voltage (1.2/50)	(KA)	4
Dielectric test voltage		2kV (50/60Hz60 1 minute)
Isolating function		Available
Pollution class		2
Tripping type		Thermal magnetic tripping
Thermal magnetic trip characteristics	C curve ($I_i=8.5I_n$)	
	D curve ($I_i=12I_n$)	
Electrical and mechanical accessories		

Mechanical characteristics

Handle		Red, pad printing indicating ON-OFF position
Mechanical life	Times	8500 times ($I_n \leq 100A$) 7000 times ($I_n > 100A$)
Electrical life	Times	1500 times ($I_n \leq 100A$) 1000 times ($I_n > 100A$)
Protection rating	Installed in distribution box	IP40
	Installed directly	IP20
Mechanical shock resistance		30g, 3 shocks, last for 11ms (Places with no significant vibration or shock)
Anti-vibration (IEC/EN 60947-2)		Places with no significant vibration or shock
Reference ambient temperature	°C	30°C
Operating ambient temperature (daily mean temperature $\leq +35^\circ\text{C}$)	°C	-20°C ~+60°C
Storage temperature	°C	-40°C ~+70°C



Installed on 35mm standard guide rail



Flexible installation direction

Final Distribution



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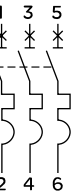
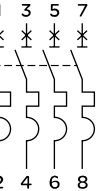
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Product name	Breaking capacity	Poles	Trip type	Rated current
HDB3w-125	N	1	C	63
	↓	↓	↓	↓
	N:6kA H:10kA	1: 1P 2: 2P 3: 3P 4: 4P	C: C curve (Ii=8.5In) D: D curve (Ii=12In)	63: 63A 80: 80A 100: 100A 125: 125A

HDB3w-125 molded case circuit breaker	Type	Rated current	Trip type	
			C	D
6kA	1P 	63	HDB3w125N1C63	HDB3w125N1D63
		80	HDB3w125N1C80	HDB3w125N1D80
		100	HDB3w125N1C100	HDB3w125N1D100
		125	HDB3w125N1C125	HDB3w125N1D125
	2P 	63	HDB3w125N2C63	HDB3w125N2D63
		80	HDB3w125N2C80	HDB3w125N2D80
		100	HDB3w125N2C100	HDB3w125N2D100
		125	HDB3w125N2C125	HDB3w125N2D125
	3P 	63	HDB3w125N3C63	HDB3w125N3D63
		80	HDB3w125N3C80	HDB3w125N3D80
		100	HDB3w125N3C100	HDB3w125N3D100
		125	HDB3w125N3C125	HDB3w125N3D125
	4P 	63	HDB3w125N4C63	HDB3w125N4D63
		80	HDB3w125N4C80	HDB3w125N4D80
		100	HDB3w125N4C100	HDB3w125N4D100
		125	HDB3w125N4C125	HDB3w125N4D125



Final Distribution



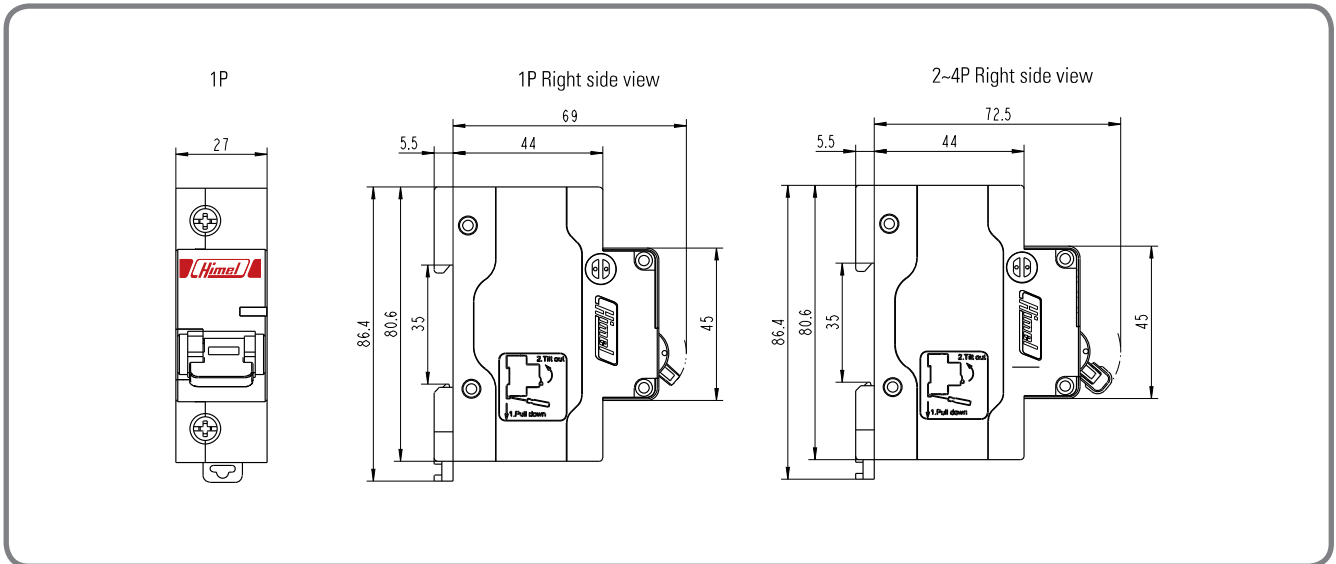
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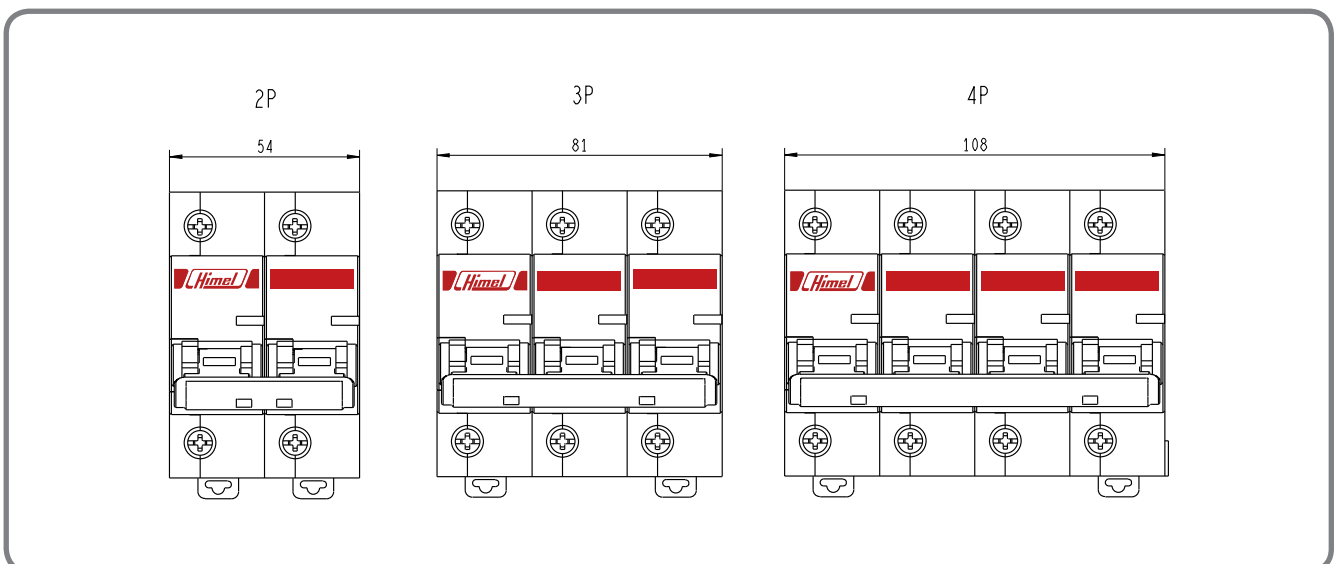
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Final Distribution

