

HDB3wHP Phase Line + Neutral Line Circuit Breaker

IEC/EN60898-1



HDB3wHP Technical Parameters

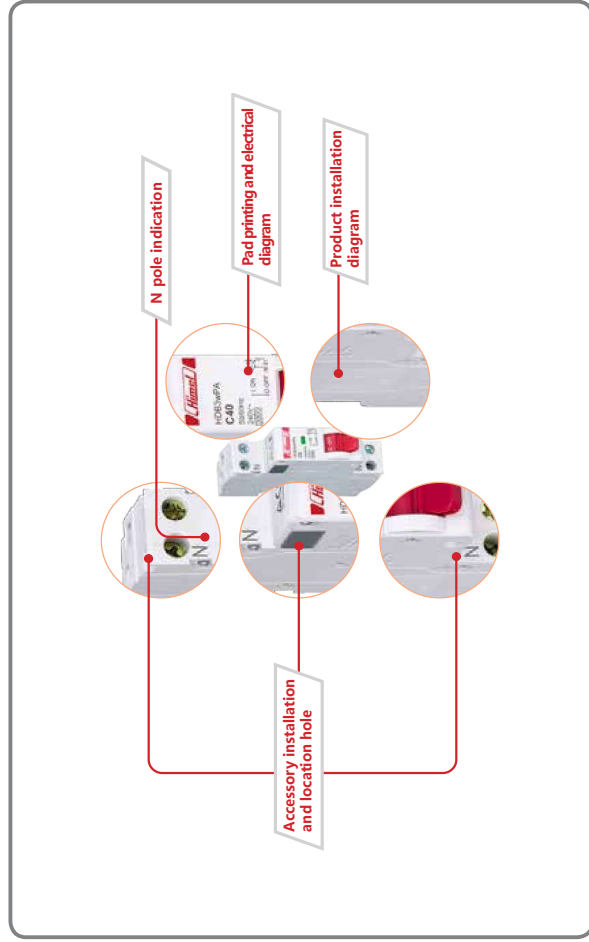
- Short circuit protection
- Overload protection
- Isolating function

Main Features

Rated operating voltage (V)	1P+N; 240 AC
Rated current (A)	6-40
Rated frequency (Hz)	50/60
Poles	1P+N
Breaking capacity (kA)	3,4,5



Product Details Display



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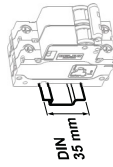


Electrical Characteristics

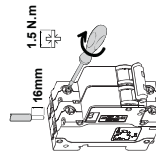
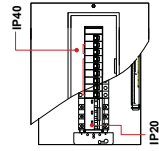
Rated insulation voltage U_i	(V)	250 (phase-to-ground) / 500 (phase-to-phase)
Rated working voltage U_{limax}	(V)	240AC
Rated short-circuit capacity / I_{cn} (IEC/EN60898)	(kA)	3,4,5
Rated impulse withstand voltage (1.2/50)	(KV)	4
Dielectric test voltage		2kV (50/60HZ, 1 minute)
Use category		A
Isolating function		Available
Pollution class		2
Tripping type		Thermal magnetic tripping
Thermal magnetic trip characteristics		C curve (5In~10In) ■
		D curve (10In~14In) ■
Electrical and mechanical accessories		■

Mechanical Characteristics

Handle		Red, pad printing indicating ON-OFF position
Mechanical life	Times	10000
Electrical life	Times	4000
Protection rating		IP40 Installed in distribution box
		Installed directly
Mechanical shock resistance		30G, 3 shocks, last for 11ms (Places with no significant vibration or shock)
Anti-vibration (IEC/EN 60068-2-6)		(Places with no significant vibration or shock)
High temperature humidity resistant		Category 2, 28 cycles Relative humidity 90%~96% at 55 °C Relative humidity 95%~100% at 25 °C
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

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Installation Features

Terminal type	Tunnel terminal
Maximum wiring capacity	(A) Current ratings 6-40:16mm ²
Maximum ultimate torque	(A) Current ratings 6-40:1,5 N.m
Tools	Cross head screwdriver or flathead screwdriver
Installation	Installed on standard DIN guide rail (35mm)
Line incoming mode	Top or bottom

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Product name	Breaking capacity	Trip type	Rated current
HDB3wHP	Default ↓	C	6
	A:3kA Default:4.5kA	C: C D: D	↓
			6: 6A 25: 25A 10: 10A 32: 32A 16: 16A 40: 40A 20: 20A

HDB3wHP Breaking capacity	Type	Rated current	Trip type			
			C	D		
3kA		6	HDB3wHPAC6	HDB3wHPAD6		
		10	HDB3wHPAC10	HDB3wHPAD10		
		16	HDB3wHPAC16	HDB3wHPAD16		
		20	HDB3wHPAC20	HDB3wHPAD20		
		25	HDB3wHPAC25	HDB3wHPAD25		
		32	HDB3wHPAC32	HDB3wHPAD32		
		40	HDB3wHPAC40	HDB3wHPAD40		
		4.5kA		6	HDB3wHPC6	HDB3wHPD6
				10	HDB3wHPC10	HDB3wHPD10
				16	HDB3wHPC16	HDB3wHPD16
20	HDB3wHPC20			HDB3wHPD20		
25	HDB3wHPC25			HDB3wHPD25		
32	HDB3wHPC32			HDB3wHPD32		
40	HDB3wHPC40			HDB3wHPD40		

