

HDB3wP Phase Line + Neutral Line Circuit Breaker

Functions and Features
IEC/EN60898-1

3SERIES
MORE VALUE FOR PRICE!



HDB3wP Technical Parameters

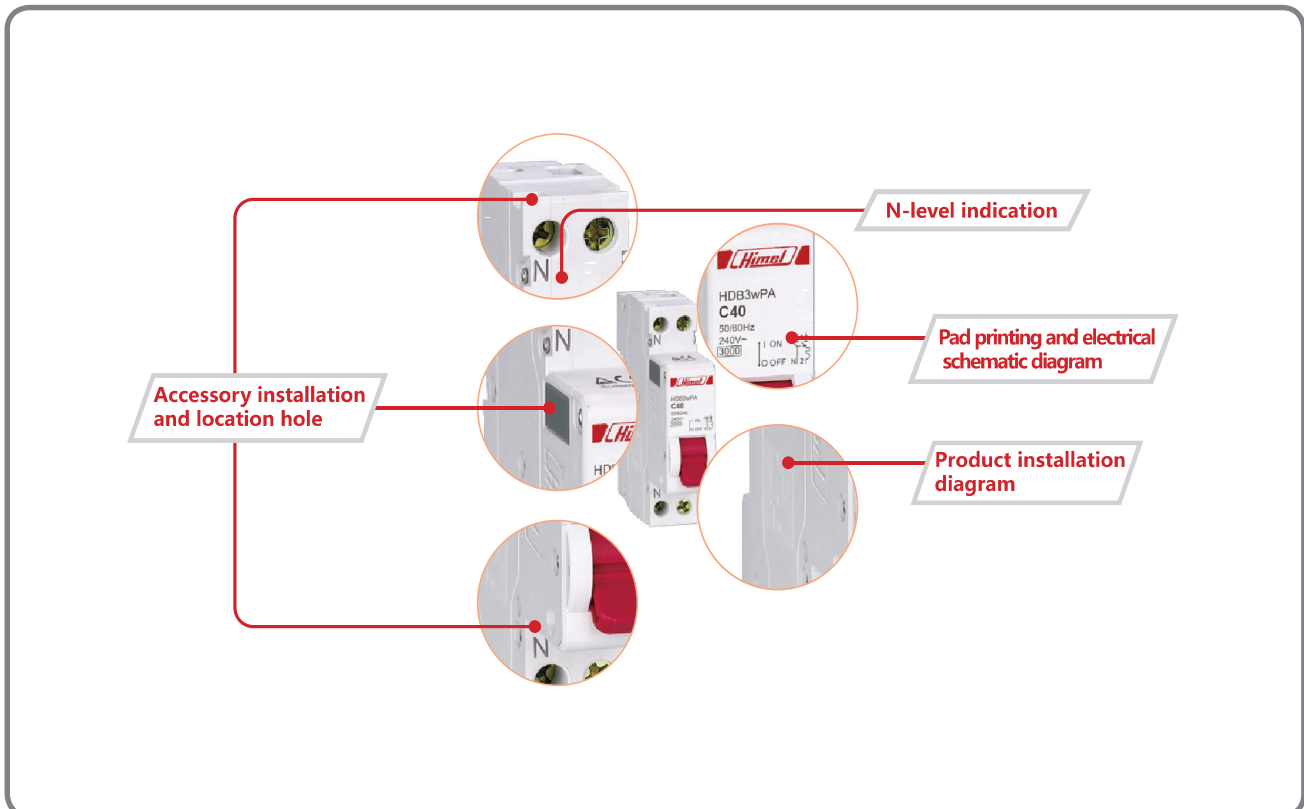
- Short circuit protection
- Overload protection
- Isolating function

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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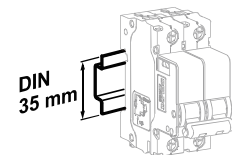


Electrical Characteristics

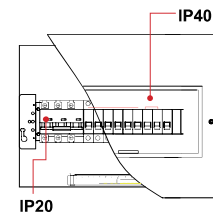
Rated insulation voltage U_i	(V)	250 (phase-to-ground) / 500 (phase-to-phase)
Maximum working voltage U_{Bmax}	1P+N (V)	240AC
Rated short-circuit capacity I_{cn} (IEC/EN60898)	(kA)	3,4,5
Rated impulse withstand voltage (1.2/50)	(KV)	4
Dielectric test voltage		2kV (50/60HZ, 1 minute)
Use category		A
Isolating 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

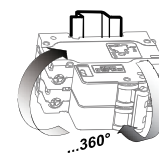
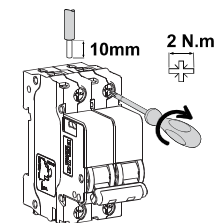
Handle		Red, pad printing indicating ON-OFF position
Mechanical life	Times	15000
Electrical life	Times	10000
Protection rating	Installed in distribution box	IP40
	Installed directly	IP20
Mechanical shock resistance		30g, 3 shocks, last for 11ms (Places with no significant vibration or shock)
Anti-vibration (IEC/EN 60068-2-6)		(Places with no significant vibration or shock)
Damp and hot resistance (IEC 60068-2)	Damp and hot °C /RH	Category 2, 28 cycles Relative humidity 90%~96% at 55 °C Relative humidity 90%~100% at 25 °C
Reference ambient temperature	°C	30 °C
Operating ambient temperature (daily mean temperature ≤ +35°C)	°C	-20 °C ~+60 °C
Storage temperature	°C	-40 °C ~+70 °C



Installed on 35mm standard guide rail



IP20



Flexible installation direction

Final Distribution



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Installation Features

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

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Product name	Breaking capacity	Trip type	Rated current
HDB3wP	N	C	6
	↓		↓
	A:3kA N:4.5kA	C: C D: D	6: 6A 25: 25A 10: 10A 32: 32A 16: 16A 40: 40A 20: 20A

Final Distribution



HDB3wP phase line + neutral line circuit breaker	Type	Rated current	Trip type	
			C	D
3kA		6	HDB3WPAC6	HDB3WPAD6
		10	HDB3WPAC10	HDB3WPAD10
		16	HDB3WPAC16	HDB3WPAD16
		20	HDB3WPAC20	HDB3WPAD20
		25	HDB3WPAC25	HDB3WPAD25
		32	HDB3WPAC32	HDB3WPAD32
		40	HDB3WPAC40	HDB3WPAD40
4.5kA		6	HDB3WPNC6	HDB3WPND6
		10	HDB3WPNC10	HDB3WPND10
		16	HDB3WPNC16	HDB3WPND16
		20	HDB3WPNC20	HDB3WPND20
		25	HDB3WPNC25	HDB3WPND25
		32	HDB3WPNC32	HDB3WPND32
		40	HDB3WPNC40	HDB3WPND40

