


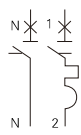

HDB3w Miniature Circuit breaker

Standard: IEC/EN60898-1

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HDB3w Selection Guide

HDB3wN Miniature standard circuit breaker	Type	Rated current	Trip type		
			B	C	D
6kA 	1P	1	-	HDB3wN1C1	HDB3wN1D1
		2	-	HDB3wN1C2	HDB3wN1D2
		3	-	HDB3wN1C3	HDB3wN1D3
		4	-	HDB3wN1C4	HDB3wN1D4
		5	-	HDB3wN1C5	HDB3wN1D5
		6	HDB3wN1B6	HDB3wN1C6	HDB3wN1D6
		8	HDB3wN1B8	HDB3wN1C8	HDB3wN1D8
		10	HDB3wN1B10	*HDB3wN1C10	HDB3wN1D10
		13	HDB3wN1B13	*HDB3wN1C13	HDB3wN1D13
		16	HDB3wN1B16	*HDB3wN1C16	HDB3wN1D16
		20	HDB3wN1B20	*HDB3wN1C20	HDB3wN1D20
		25	HDB3wN1B25	*HDB3wN1C25	HDB3wN1D25
		32	HDB3wN1B32	*HDB3wN1C32	HDB3wN1D32
		40	HDB3wN1B40	*HDB3wN1C40	HDB3wN1D40
		50	HDB3wN1B50	*HDB3wN1C50	HDB3wN1D50
63	HDB3wN1B63	*HDB3wN1C63	HDB3wN1D63		
6kA 	1P+N	10	HDB3wN5B10	HDB3wN5C10	HDB3wN5D10
		13	HDB3wN5B13	HDB3wN5C13	HDB3wN5D13
		16	HDB3wN5B16	HDB3wN5C16	HDB3wN5D16
		20	HDB3wN5B20	HDB3wN5C20	HDB3wN5D20
		25	HDB3wN5B25	HDB3wN5C25	HDB3wN5D25
		32	HDB3wN5B32	HDB3wN5C32	HDB3wN5D32
		40	HDB3wN5B40	HDB3wN5C40	HDB3wN5D40
		50	HDB3wN5B50	HDB3wN5C50	HDB3wN5D50
63	HDB3wN5B63	HDB3wN5C63	HDB3wN5D63		
6kA 	2C	1	-	HDB3wN2C1	HDB3wN2D1
		2	-	HDB3wN2C2	HDB3wN2D2
		3	-	HDB3wN2C3	HDB3wN2D3
		4	-	HDB3wN2C4	HDB3wN2D4
		5	-	HDB3wN2C5	HDB3wN2D5
		6	HDB3wN2B6	HDB3wN2C6	HDB3wN2D6
		8	HDB3wN2B8	HDB3wN2C8	HDB3wN2D8
		10	HDB3wN2B10	*HDB3wN2C10	HDB3wN2D10
		13	HDB3wN2B13	*HDB3wN2C13	HDB3wN2D13
		16	HDB3wN2B16	*HDB3wN2C16	HDB3wN2D16
		20	HDB3wN2B20	*HDB3wN2C20	HDB3wN2D20
		25	HDB3wN2B25	*HDB3wN2C25	HDB3wN2D25
		32	HDB3wN2B32	*HDB3wN2C32	HDB3wN2D32
		40	HDB3wN2B40	*HDB3wN2C40	HDB3wN2D40
		50	HDB3wN2B50	*HDB3wN2C50	HDB3wN2D50
		63	HDB3wN2B63	*HDB3wN2C63	HDB3wN2D63

The reference with "*" means that it has 40°C and 50°C. Please add "50D" at the end as 50°C reference.

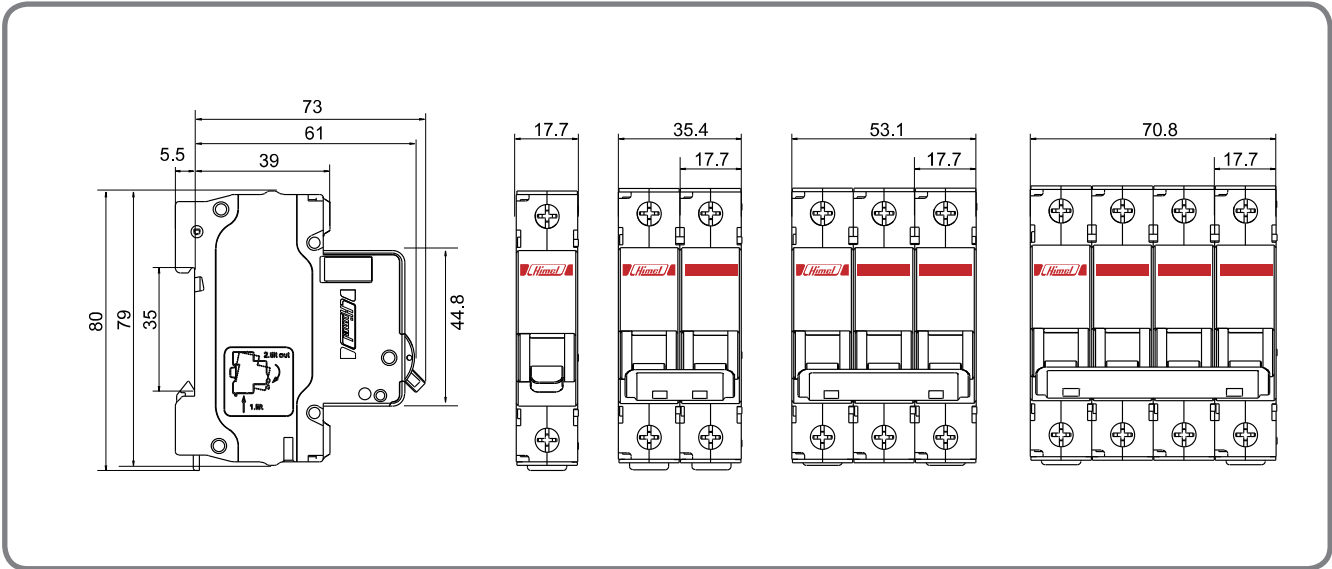
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HDB3w Installation Dimension



HDB3w Miniature Circuit breaker

Appendix

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Trip Characteristic

B features

The miniature circuit breaker with B tripping features meets IEC 60898 standard and applies to providing protection for the resistive load or the load without impulse current.

C features

The miniature circuit breaker with C trip features meets IEC60898 standard and applies to providing protection for the resistive load and the inductive load with lower impulse current

D features

The miniature circuit breaker with D trip features meets IEC60898 standard and applies to providing protection for the load with higher impulse current at circuit connection.

Tripping type	Compliance standard	Thermal trip characteristics				Electro-magnetic trip characteristics			
		Test current	Test time	Initial state	Expected result	AC test current	Test time	Initial state	Expected result
B	IEC60898	1.13I _n	1h	Cold state	Non tripping	3I _n	0.1s	Cold state	Non-tripping
		1.45I _n	1h	Heated state	Tripping	5I _n	0.1s		Tripping
C	IEC60898	1.13I _n	≥1h(≤ 63A) ≥ 2h(63A)	Cold state	Non tripping	10I _n	≥0.1s		Non-tripping
		1.45I _n	1h (≤ 63A) 2h (63A)	Heated state	Tripping	10I _n	0.1s		Tripping
D	IEC60898	1.13I _n	≥1h	Cold state	Non tripping	20I _n	≥0.1s		Non-tripping
		1.45I _n	1h	Heated state	Tripping		0.1s		Tripping

Tripping Curve

