


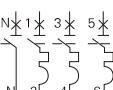
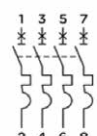
HDB3w Miniature Circuit breaker

Standard: IEC/EN60898-1

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HDB3w Selection Guide

HDB3wL Miniature standard circuit breaker	Type	Rated current	Trip type		
			B	C	D
4.5kA 	3P	1	-	HDB3wL3C1	HDB3wL3D1
		2	-	HDB3wL3C2	HDB3wL3D2
		3	-	HDB3wL3C3	HDB3wL3D3
		4	-	HDB3wL3C4	HDB3wL3D4
		5	-	HDB3wL3C5	HDB3wL3D5
		6	HDB3wL3B6	HDB3wL3C6	HDB3wL3D6
		8	HDB3wL3B8	HDB3wL3C8	HDB3wL3D8
		10	HDB3wL3B10	*HDB3wL3C10	HDB3wL3D10
		13	HDB3wL3B13	*HDB3wL3C13	HDB3wL3D13
		16	HDB3wL3B16	*HDB3wL3C16	HDB3wL3D16
		20	HDB3wL3B20	*HDB3wL3C20	HDB3wL3D20
		25	HDB3wL3B25	*HDB3wL3C25	HDB3wL3D25
		32	HDB3wL3B32	*HDB3wL3C32	HDB3wL3D32
		40	HDB3wL3B40	*HDB3wL3C40	HDB3wL3D40
		50	HDB3wL3B50	*HDB3wL3C50	HDB3wL3D50
63	HDB3wL3B63	*HDB3wL3C63	HDB3wL3D63		
4.5kA 	3P+N	10	HDB3wL6B10	HDB3wL6C10	HDB3wL6D10
		13	HDB3wL6B13	HDB3wL6C13	HDB3wL6D13
		16	HDB3wL6B16	HDB3wL6C16	HDB3wL6D16
		20	HDB3wL6B20	HDB3wL6C20	HDB3wL6D20
		25	HDB3wL6B25	HDB3wL6C25	HDB3wL6D25
		32	HDB3wL6B32	HDB3wL6C32	HDB3wL6D32
		40	HDB3wL6B40	HDB3wL6C40	HDB3wL6D40
		50	HDB3wL6B50	HDB3wL6C50	HDB3wL6D50
63	HDB3wL6B63	HDB3wL6C63	HDB3wL6D63		
4.5kA 	4P	1	-	HDB3wL4C1	HDB3wL4D1
		2	-	HDB3wL4C2	HDB3wL4D2
		3	-	HDB3wL4C3	HDB3wL4D3
		4	-	HDB3wL4C4	HDB3wL4D4
		5	-	HDB3wL4C5	HDB3wL4D5
		6	HDB3wL4B6	HDB3wL4C6	HDB3wL4D6
		8	HDB3wL4B8	HDB3wL4C8	HDB3wL4D8
		10	HDB3wL4B10	HDB3wL4C10	HDB3wL4D10
		13	HDB3wL4B13	HDB3wL4C13	HDB3wL4D13
		16	HDB3wL4B16	HDB3wL4C16	HDB3wL4D16
		20	HDB3wL4B20	HDB3wL4C20	HDB3wL4D20
		25	HDB3wL4B25	HDB3wL4C25	HDB3wL4D25
		32	HDB3wL4B32	HDB3wL4C32	HDB3wL4D32
		40	HDB3wL4B40	HDB3wL4C40	HDB3wL4D40
		50	HDB3wL4B50	HDB3wL4C50	HDB3wL4D50
		63	HDB3wL4B63	HDB3wL4C63	HDB3wL4D63

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

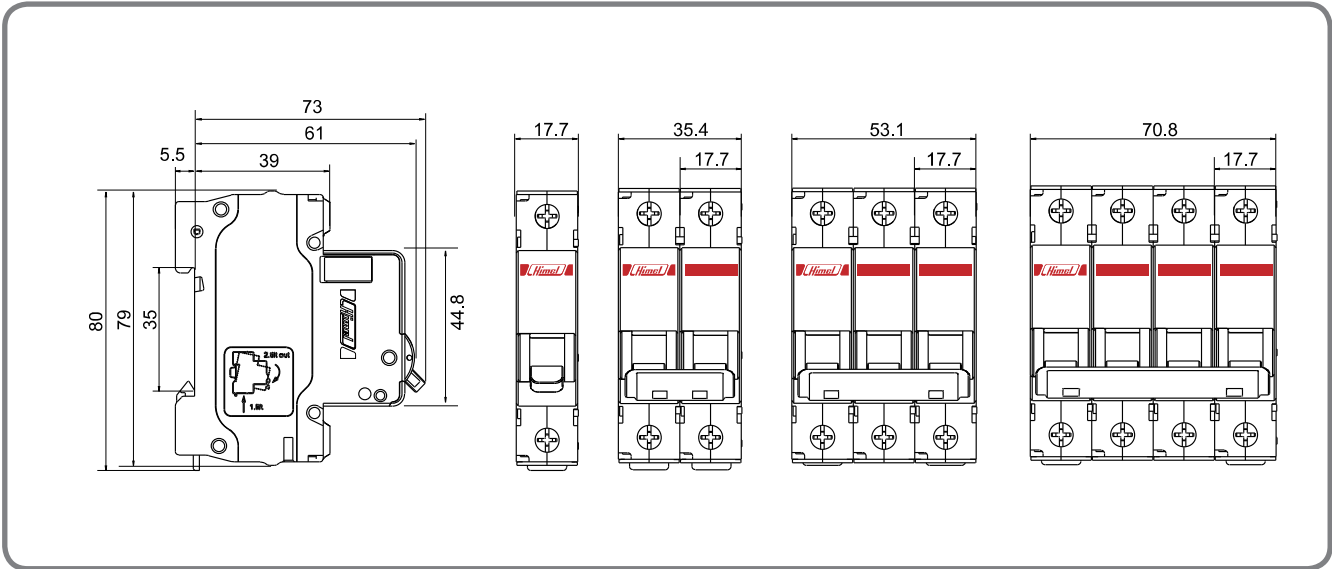
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HDB3w Installation Dimension



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

