

HDB6s 18mm Miniature Circuit Breaker

Standard: IEC 60898-1
 Trip Curve: B, C and D curves
 Breaking Capacity: 4500/6000A




Function

HDB6s miniature circuit breakers combine the following functions:


- Protection of circuits against overload currents
- Protection of circuits against short-circuit currents
- Control
- Isolation

Order Information

Name	Breaking Capacity	Pole	Type	Rated current
HDB6s	L: 4.5kA N: 6kA	1: 1P	B: B Curve	1: 1A
		2: 2P	C: C Curve	2: 2A
	3: 3P	D: D Curve	...	
	4: 4P		63: 63A	

Type	Breaking Capacity (kA)	Rating (A)	Width	Reference		
				B curve	C curve	D curve
1P 	4.5/6	1	2	HDB6sN1B1	HDB6sN1C1	HDB6sL1D1
		2	2	HDB6sN1B2	HDB6sN1C2	HDB6sL1D2
		3	2	HDB6sN1B3	HDB6sN1C3	HDB6sL1D3
		4	2	HDB6sN1B4	HDB6sN1C4	HDB6sL1D4
		5	2	HDB6sN1B5	HDB6sN1C5	HDB6sL1D5
		6	2	HDB6sN1B6	HDB6sN1C6	HDB6sL1D6
		8	2	HDB6sN1B8	HDB6sN1C8	HDB6sL1D8
		10	2	HDB6sN1B10	HDB6sN1C10	HDB6sL1D10
		13	2	HDB6sN1B13	HDB6sN1C13	HDB6sL1D13
		16	2	HDB6sN1B16	HDB6sN1C16	HDB6sL1D16
		20	2	HDB6sN1B20	HDB6sN1C20	HDB6sL1D20
		25	2	HDB6sN1B25	HDB6sN1C25	HDB6sL1D25
		32	2	HDB6sN1B32	HDB6sN1C32	HDB6sL1D32
		40	2	HDB6sN1B40	HDB6sN1C40	HDB6sL1D40
		50	2	HDB6sL1B50	HDB6sL1C50	HDB6sL1D50
63	2	HDB6sL1B63	HDB6sL1C63	HDB6sL1D63		



2P 	4.5/6	1	4	HDB6sN2B1	HDB6sN2C1	HDB6sL2D1
		2	4	HDB6sN2B2	HDB6sN2C2	HDB6sL2D2
		3	4	HDB6sN2B3	HDB6sN2C3	HDB6sL2D3
		4	4	HDB6sN2B4	HDB6sN2C4	HDB6sL2D4
		5	4	HDB6sN2B5	HDB6sN2C5	HDB6sL2D5
		6	4	HDB6sN2B6	HDB6sN2C6	HDB6sL2D6
		8	4	HDB6sN2B8	HDB6sN2C8	HDB6sL2D8
		10	4	HDB6sN2B10	HDB6sN2C10	HDB6sL2D10
		13	4	HDB6sN2B13	HDB6sN2C13	HDB6sL2D13
		16	4	HDB6sN2B16	HDB6sN2C16	HDB6sL2D16
		20	4	HDB6sN2B20	HDB6sN2C20	HDB6sL2D20
		25	4	HDB6sN2B25	HDB6sN2C25	HDB6sL2D25
		32	4	HDB6sN2B32	HDB6sN2C32	HDB6sL2D32
		40	4	HDB6sN2B40	HDB6sN2C40	HDB6sL2D40
		50	4	HDB6sL2B50	HDB6sL2C50	HDB6sL2D50
63	4	HDB6sL2B63	HDB6sL2C63	HDB6sL2D63		



Note: Width refers to multiple of 9 mm.

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Technical Data

MCB	HDB6s 18mm Circuit Breaker					
Electrical Features	Standard	IEC 60898-1				
	Certification	KEMA CB CE				
	Poles	1-4P				
	Rated Current In	1, 2, 3, 4, 5, 6, 8, 10, 13, 16, 20, 25, 32, 40, 50, 63A				
	Rated Voltage Ue	230/400V AC				
	Insulation Voltage Ui	500V				
	Breaking Capacity Icn					
		Rate current(A)	Breaking capacity Icn(kA)	Type	Poles	Voltage (V)
		1-40	6	B,C	1P 2P, 3P, 4P	230/400 400
		50,63	4.5	B,C	1P 2P, 3P, 4P	230/400 400
	1-63	4.5	D	1P 2P, 3P, 4P	230/400 400	
Tripping Curve (see following tripping curve pictures)						
B curve;the magnetic release operates between 3 and 5 In						
C curve;the magnetic release operates between 5 and 10 In						
D curve;the magnetic release operates between 10 and 14 In						
Mechanical Features	Electrical Durability	4000 times				
	Mechanical Durability	10000 times				
	Protection Degree	2				
	Tropicalization	treatment 2				
	Ambient Temperture	-5°C ~ +40°C				
Connection	Up to 25mm ² cables					
Installation	Rate Current(A)	Screw	Rated Torque (Nm)	Limiting Torque (Nm)		
	1-63	M5	2.5	4.5		
Mounting	35mm Din-rail					
Accessories	Contact Accessory	OF				
	Fault-indicating Accessory	SD				
	Shunt-trip Release	MX+OF				

Final Distribution

HDB6s 18mm Miniature Circuit Breaker

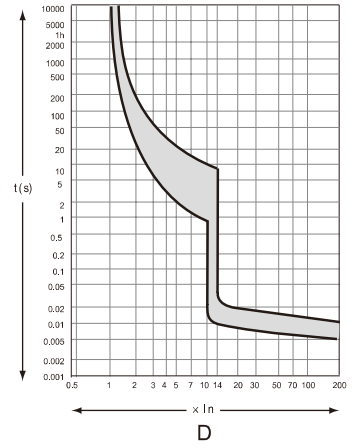
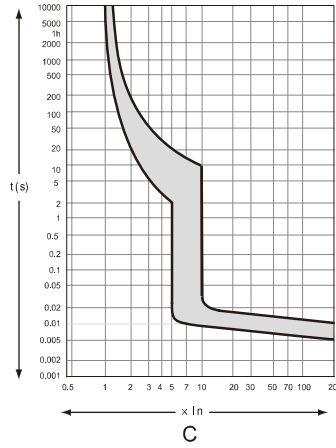
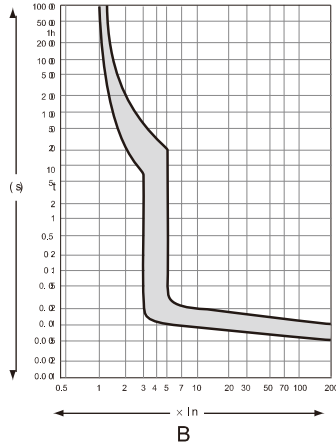
Standard: IEC 60898-1

Trip Curve: B, C and D curves

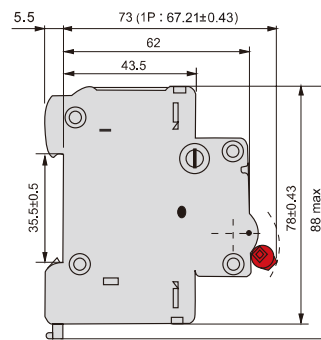
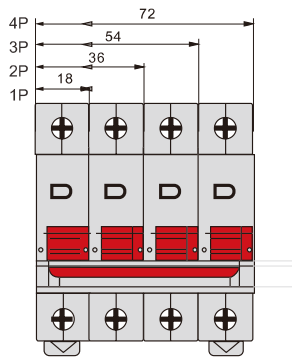
Breaking Capacity: 4500/6000A



Tripping Curves

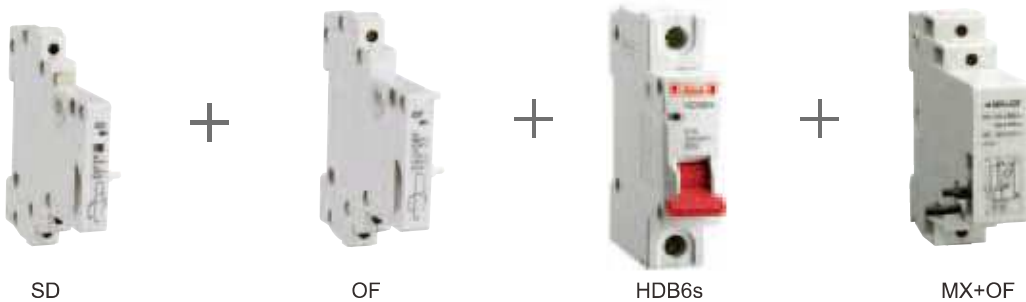


Overall Dimensions



Unit: mm

Accessories



Final Distribution