

HDB6 18mm Miniature Circuit Breaker

Standard: IEC 60898-1

Trip Curve: B, C and D curves

Breaking Capacity: 3000/4500/6000A





Function

HDB6 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
HDB6	a: 3kA	1: 1P	B: B Curve	1: 1A
	L: 4.5kA	2: 2P	C: C Curve	3: 3A
	N: 6kA	3: 3P	D: D Curve	...
		4: 4P		63: 63A

Type	Breaking Capacity (kA)	Rating (A)	Width	Reference		
				B curve	C curve	D curve
1P 	3	1	2	HDB6a1B1	HDB6a1C1	HDB6a1D1
		3	2	HDB6a1B3	HDB6a1C3	HDB6a1D3
		6	2	HDB6a1B6	HDB6a1C6	HDB6a1D6
		10	2	HDB6a1B10	HDB6a1C10	HDB6a1D10
		16	2	HDB6a1B16	HDB6a1C16	HDB6a1D16
		20	2	HDB6a1B20	HDB6a1C20	HDB6a1D20
		25	2	HDB6a1B25	HDB6a1C25	HDB6a1D25
		32	2	HDB6a1B32	HDB6a1C32	HDB6a1D32
		40	2	HDB6a1B40	HDB6a1C40	HDB6a1D40
		50	2	HDB6a1B50	HDB6a1C50	HDB6a1D50
	63	2	HDB6a1B63	HDB6a1C63	HDB6a1D63	
	4.5	1	2	HDB6L1B1	HDB6L1C1	HDB6L1D1
		3	2	HDB6L1B3	HDB6L1C3	HDB6L1D3
		6	2	HDB6L1B6	HDB6L1C6	HDB6L1D6
		10	2	HDB6L1B10	HDB6L1C10	HDB6L1D10
		16	2	HDB6L1B16	HDB6L1C16	HDB6L1D16
		20	2	HDB6L1B20	HDB6L1C20	HDB6L1D20
		25	2	HDB6L1B25	HDB6L1C25	HDB6L1D25
		32	2	HDB6L1B32	HDB6L1C32	HDB6L1D32
		40	2	HDB6L1B40	HDB6L1C40	HDB6L1D40
50		2	HDB6L1B50	HDB6L1C50	HDB6L1D50	
6	1	2	HDB6N1B1	HDB6N1C1	-	
	3	2	HDB6N1B3	HDB6N1C3	-	
	6	2	HDB6N1B6	HDB6N1C6	-	
	10	2	HDB6N1B10	HDB6N1C10	-	
	16	2	HDB6N1B16	HDB6N1C16	-	
	20	2	HDB6N1B20	HDB6N1C20	-	
	25	2	HDB6N1B25	HDB6N1C25	-	
	32	2	HDB6N1B32	HDB6N1C32	-	
	40	2	HDB6N1B40	HDB6N1C40	-	
	50	2	-	-	-	
2P 	3	1	4	HDB6a2B1	HDB6a2C1	HDB6a2D1
		3	4	HDB6a2B3	HDB6a2C3	HDB6a2D3
		6	4	HDB6a2B6	HDB6a2C6	HDB6a2D6
		10	4	HDB6a2B10	HDB6a2C10	HDB6a2D10
		16	4	HDB6a2B16	HDB6a2C16	HDB6a2D16
		20	4	HDB6a2B20	HDB6a2C20	HDB6a2D20
		25	4	HDB6a2B25	HDB6a2C25	HDB6a2D25
		32	4	HDB6a2B32	HDB6a2C32	HDB6a2D32
		40	4	HDB6a2B40	HDB6a2C40	HDB6a2D40
		50	4	HDB6a2B50	HDB6a2C50	HDB6a2D50
63	4	HDB6a2B63	HDB6a2C63	HDB6a2D63		

Note: Width refers to multiple of 9 mm.



HDB6 18mm Miniature Circuit Breaker





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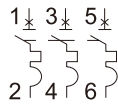
Trip Curve: B, C and D curves

Breaking Capacity: 3000/4500/6000A



Order Information

Type	Breaking Capacity (kA)	Rating (A)	Width	Reference				
				B curve	C curve	D curve		
	4.5	1	4	HDB6L2B1	HDB6L2C1	HDB6L2D1		
		3	4	HDB6L2B3	HDB6L2C3	HDB6L2D3		
		6	4	HDB6L2B6	HDB6L2C6	HDB6L2D6		
		10	4	HDB6L2B10	HDB6L2C10	HDB6L2D10		
		16	4	HDB6L2B16	HDB6L2C16	HDB6L2D16		
		20	4	HDB6L2B20	HDB6L2C20	HDB6L2D20		
		25	4	HDB6L2B25	HDB6L2C25	HDB6L2D25		
		32	4	HDB6L2B32	HDB6L2C32	HDB6L2D32		
		40	4	HDB6L2B40	HDB6L2C40	HDB6L2D40		
		50	4	HDB6L2B50	HDB6L2C50	HDB6L2D50		
		63	4	HDB6L2B63	HDB6L2C63	HDB6L2D63		
			6	1	4	HDB6N2B1	HDB6N2C1	-
				3	4	HDB6N2B3	HDB6N2C3	-
				6	4	HDB6N2B6	HDB6N2C6	-
10	4			HDB6N2B10	HDB6N2C10	-		
16	4			HDB6N2B16	HDB6N2C16	-		
20	4			HDB6N2B20	HDB6N2C20	-		
25	4			HDB6N2B25	HDB6N2C25	-		
32	4			HDB6N2B32	HDB6N2C32	-		
40	4			HDB6N2B40	HDB6N2C40	-		
50	4			-	-	-		
63	4			-	-	-		
	3			1	6	HDB6a3B1	HDB6a3C1	HDB6a3D1
				3	6	HDB6a3B3	HDB6a3C3	HDB6a3D3
				6	6	HDB6a3B6	HDB6a3C6	HDB6a3D6
		10	6	HDB6a3B10	HDB6a3C10	HDB6a3D10		
		16	6	HDB6a3B16	HDB6a3C16	HDB6a3D16		
		20	6	HDB6a3B20	HDB6a3C20	HDB6a3D20		
		25	6	HDB6a3B25	HDB6a3C25	HDB6a3D25		
		32	6	HDB6a3B32	HDB6a3C32	HDB6a3D32		
		40	6	HDB6a3B40	HDB6a3C40	HDB6a3D40		
		50	6	HDB6a3B50	HDB6a3C50	HDB6a3D50		
		63	6	HDB6a3B63	HDB6a3C63	HDB6a3D63		
			4.5	1	6	HDB6L3B1	HDB6L3C1	HDB6L3D1
				3	6	HDB6L3B3	HDB6L3C3	HDB6L3D3
				6	6	HDB6L3B6	HDB6L3C6	HDB6L3D6
10	6			HDB6L3B10	HDB6L3C10	HDB6L3D10		
16	6			HDB6L3B16	HDB6L3C16	HDB6L3D16		
20	6			HDB6L3B20	HDB6L3C20	HDB6L3D20		
25	6			HDB6L3B25	HDB6L3C25	HDB6L3D25		
32	6			HDB6L3B32	HDB6L3C32	HDB6L3D32		
40	6			HDB6L3B40	HDB6L3C40	HDB6L3D40		
50	6			HDB6L3B50	HDB6L3C50	HDB6L3D50		
63	6			HDB6L3B63	HDB6L3C63	HDB6L3D63		



Note: Width refers to multiple of 9 mm.

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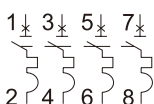
Trip Curve: B, C and D curves

Breaking Capacity: 3000/4500/6000A



Order Information

Type	Breaking Capacity (kA)	Rating (A)	Width	Reference		
				B curve	C curve	D curve
	6	1	6	HDB6N3B1	HDB6N3C1	-
		3	6	HDB6N3B3	HDB6N3C3	-
		6	6	HDB6N3B6	HDB6N3C6	-
		10	6	HDB6N3B10	HDB6N3C10	-
		16	6	HDB6N3B16	HDB6N3C16	-
		20	6	HDB6N3B20	HDB6N3C20	-
		25	6	HDB6N3B25	HDB6N3C25	-
		32	6	HDB6N3B32	HDB6N3C32	-
		40	6	HDB6N3B40	HDB6N3C40	-
		50	6	-	-	-
63	6	-	-	-		
4P	3	1	8	HDB6a4B1	HDB6a4C1	HDB6a4D1
		3	8	HDB6a4B3	HDB6a4C3	HDB6a4D3
		6	8	HDB6a4B6	HDB6a4C6	HDB6a4D6
		10	8	HDB6a4B10	HDB6a4C10	HDB6a4D10
		16	8	HDB6a4B16	HDB6a4C16	HDB6a4D16
		20	8	HDB6a4B20	HDB6a4C20	HDB6a4D20
		25	8	HDB6a4B25	HDB6a4C25	HDB6a4D25
		32	8	HDB6a4B32	HDB6a4C32	HDB6a4D32
		40	8	HDB6a4B40	HDB6a4C40	HDB6a4D40
		50	8	HDB6a4B50	HDB6a4C50	HDB6a4D50
63	8	HDB6a4B63	HDB6a4C63	HDB6a4D63		
	4.5	1	8	HDB6L4B1	HDB6L4C1	HDB6L4D1
		3	8	HDB6L4B3	HDB6L4C3	HDB6L4D3
		6	8	HDB6L4B6	HDB6L4C6	HDB6L4D6
		10	8	HDB6L4B10	HDB6L4C10	HDB6L4D10
		16	8	HDB6L4B16	HDB6L4C16	HDB6L4D16
		20	8	HDB6L4B20	HDB6L4C20	HDB6L4D20
		25	8	HDB6L4B25	HDB6L4C25	HDB6L4D25
		32	8	HDB6L4B32	HDB6L4C32	HDB6L4D32
		40	8	HDB6L4B40	HDB6L4C40	HDB6L4D40
		50	8	HDB6L4B50	HDB6L4C50	HDB6L4D50
63	8	HDB6L4B63	HDB6L4C63	HDB6L4D63		
	6	1	8	HDB6N4B1	HDB6N4C1	-
		3	8	HDB6N4B3	HDB6N4C3	-
		6	8	HDB6N4B6	HDB6N4C6	-
		10	8	HDB6N4B10	HDB6N4C10	-
		16	8	HDB6N4B16	HDB6N4C16	-
		20	8	HDB6N4B20	HDB6N4C20	-
		25	8	HDB6N4B25	HDB6N4C25	-
		32	8	HDB6N4B32	HDB6N4C32	-
		40	8	HDB6N4B40	HDB6N4C40	-
		50	8	-	-	-
63	8	-	-	-		



Note: Width refers to multiple of 9 mm.

Final Distribution

HDB6 18mm Miniature Circuit Breaker

Standard: IEC 60898-1

Trip Curve: B, C and D curves

Breaking Capacity: 3000/4500/6000A



Technical Data

MCB	HDB6 18mm Circuit Breaker				
Electrical Features	Standard	IEC60898-1			
	Certification	CB, CE, RoHS			
	Poles	1-4P			
	Rated Current In	1,3,6,10,16,20,25,32,40,50,63 A			
	Rated Voltage Ue	230/400V AC			
	Insulation Voltage Ui	500V			
	Breaking Capacity Icn				
	Rate current(A)	Breaking capacity Icn(kA)	Type	Poles	Voltage (V)
	1-63	3	B,C,D	1P 2P, 3P, 4P	230/400 400
	1-63	4.5	B,C,D	1P 2P, 3P, 4P	230/400 400
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	
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 Temperature	-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 Accessories	SD			
	Shunt -trip release	MX+OF			

Final Distribution

HDB6 18mm Miniature Circuit Breaker

Standard: IEC 60898-1

Trip Curve: B, C and D curves

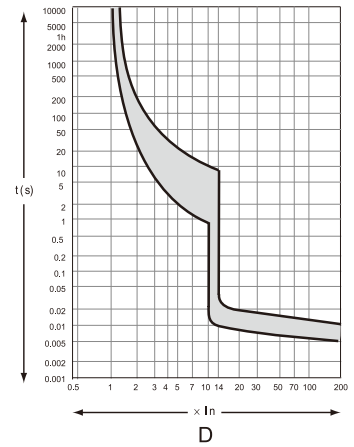
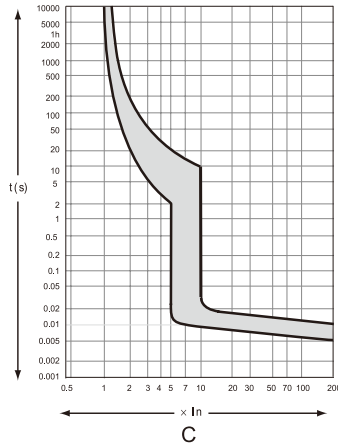
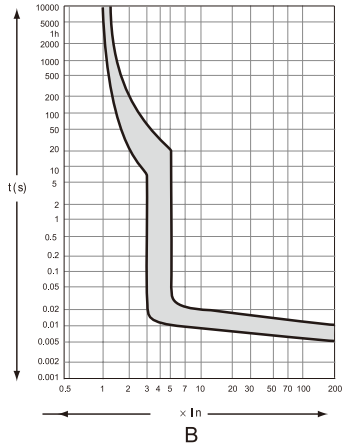
Breaking Capacity: 3000/4500/6000A



Final Distribution

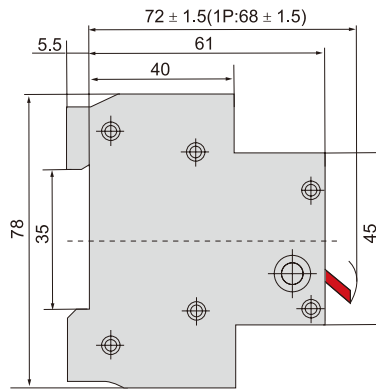
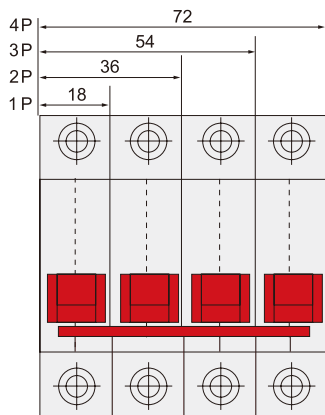
Tripping Curve

HDB6 Miniature Circuit Breaker



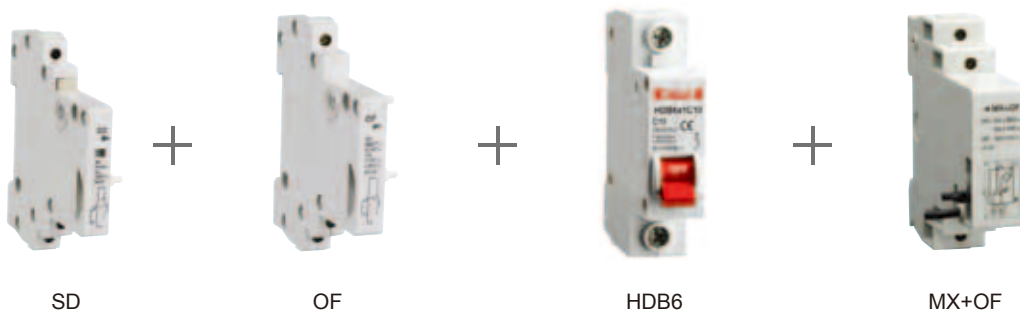
Overall Dimensions

Unit:mm



Accessories

The Sketch Map of Installation with Breakers



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	1: 1P	B: B Curve	1: 1A
	N: 6kA	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.

HDB6s 18mm Miniature Circuit Breaker

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



Order Information



Type	Breaking Capacity (kA)	Rating (A)	Width	Reference		
				B curve	C curve	D curve
3P 4.5/6 		1	6	HDB6sN3B1	HDB6sN3C1	HDB6sL3D1
		2	6	HDB6sN3B2	HDB6sN3C2	HDB6sL3D2
		3	6	HDB6sN3B3	HDB6sN3C3	HDB6sL3D3
		4	6	HDB6sN3B4	HDB6sN3C4	HDB6sL3D4
		5	6	HDB6sN3B5	HDB6sN3C5	HDB6sL3D5
		6	6	HDB6sN3B6	HDB6sN3C6	HDB6sL3D6
		8	6	HDB6sN3B8	HDB6sN3C8	HDB6sL3D8
		10	6	HDB6sN3B10	HDB6sN3C10	HDB6sL3D10
		13	6	HDB6sN3B13	HDB6sN3C13	HDB6sL3D13
		16	6	HDB6sN3B16	HDB6sN3C16	HDB6sL3D16
		20	6	HDB6sN3B20	HDB6sN3C20	HDB6sL3D20
		25	6	HDB6sN3B25	HDB6sN3C25	HDB6sL3D25
		32	6	HDB6sN3B32	HDB6sN3C32	HDB6sL3D32
		40	6	HDB6sN3B40	HDB6sN3C40	HDB6sL3D40
		50	6	HDB6sL3B50	HDB6sL3C50	HDB6sL3D50
		63	6	HDB6sL3B63	HDB6sL3C63	HDB6sL3D63



4P 4.5/6 	1	8	HDB6sN4B1	HDB6sN4C1	HDB6sL4D1
	2	8	HDB6sN4B2	HDB6sN4C2	HDB6sL4D2
	3	8	HDB6sN4B3	HDB6sN4C3	HDB6sL4D3
	4	8	HDB6sN4B4	HDB6sN4C4	HDB6sL4D4
	5	8	HDB6sN4B5	HDB6sN4C5	HDB6sL4D5
	6	8	HDB6sN4B6	HDB6sN4C6	HDB6sL4D6
	8	8	HDB6sN4B8	HDB6sN4C8	HDB6sL4D8
	10	8	HDB6sN4B10	HDB6sN4C10	HDB6sL4D10
	13	8	HDB6sN4B13	HDB6sN4C13	HDB6sL4D13
	16	8	HDB6sN4B16	HDB6sN4C16	HDB6sL4D16
	20	8	HDB6sN4B20	HDB6sN4C20	HDB6sL4D20
	25	8	HDB6sN4B25	HDB6sN4C25	HDB6sL4D25
	32	8	HDB6sN4B32	HDB6sN4C32	HDB6sL4D32
	40	8	HDB6sN4B40	HDB6sN4C40	HDB6sL4D40
	50	8	HDB6sL4B50	HDB6sL4C50	HDB6sL4D50
63	8	HDB6sL4B63	HDB6sL4C63	HDB6sL4D63	

Note: Width refers to multiple of 9 mm.

Final Distribution

HDB6s 18mm Miniature Circuit Breaker

Standard: IEC 60898-1

Trip Curve: B, C and D curves

Breaking Capacity: 4500/6000A



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 Temperature	-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

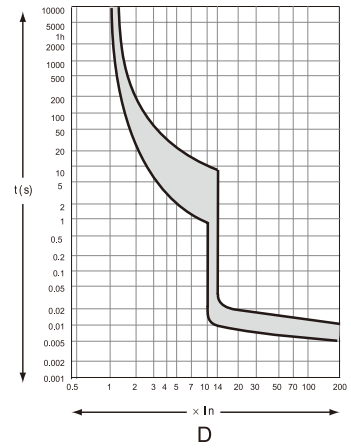
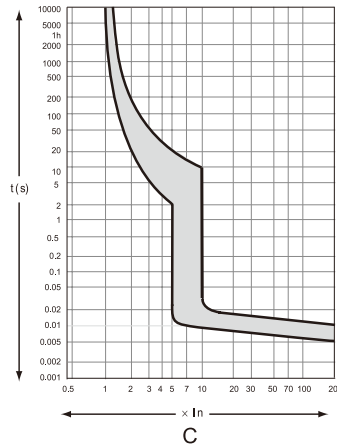
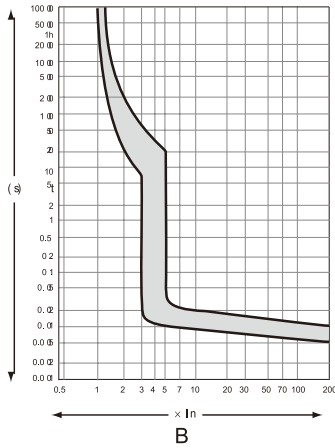
Standard: IEC 60898-1

Trip Curve: B, C and D curves

Breaking Capacity: 4500/6000A

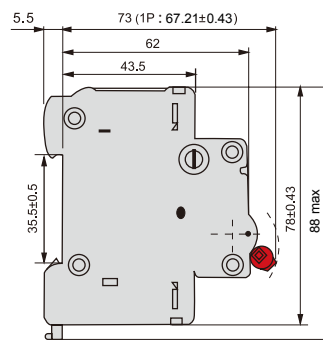
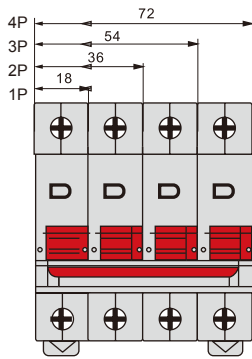


Tripping Curves

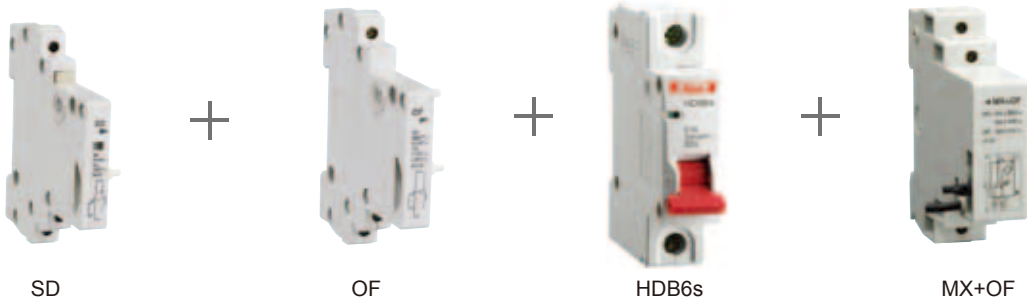


Overall Dimensions

Unit: mm



Accessories



Final Distribution

HDB9 18mm Miniature Circuit Breaker

Standard: IEC 60898-1
 Trip Curve: B, C and D curves
 Breaking Capacity: 6000/10000A



Function

HDB9 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(kA)	Frame Size	Pole	Type	Rated current
HDB9	N: 6kA	63:63AF	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	6	1	2	HDB9N631B1	HDB9N631C1	HDB9N631D1
		2	2	HDB9N631B2	HDB9N631C2	HDB9N631D2
		4	2	HDB9N631B4	HDB9N631C4	HDB9N631D4
		6	2	HDB9N631B6	HDB9N631C6	HDB9N631D6
		10	2	HDB9N631B10	HDB9N631C10	HDB9N631D10
		16	2	HDB9N631B16	HDB9N631C16	HDB9N631D16
		20	2	HDB9N631B20	HDB9N631C20	HDB9N631D20
		25	2	HDB9N631B25	HDB9N631C25	HDB9N631D25
		32	2	HDB9N631B32	HDB9N631C32	HDB9N631D32
		40	2	HDB9N631B40	HDB9N631C40	HDB9N631D40
		50	2	HDB9N631B50	HDB9N631C50	HDB9N631D50
		63	2	HDB9N631B63	HDB9N631C63	HDB9N631D63
		10	10	1	2	HDB9H631B1
2	2			HDB9H631B2	HDB9H631C2	HDB9H631D2
4	2			HDB9H631B4	HDB9H631C4	HDB9H631D4
6	2			HDB9H631B6	HDB9H631C6	HDB9H631D6
10	2			HDB9H631B10	HDB9H631C10	HDB9H631D10
16	2			HDB9H631B16	HDB9H631C16	HDB9H631D16
20	2			HDB9H631B20	HDB9H631C20	HDB9H631D20
25	2			HDB9H631B25	HDB9H631C25	HDB9H631D25
32	2			HDB9H631B32	HDB9H631C32	HDB9H631D32
40	2			HDB9H631B40	HDB9H631C40	HDB9H631D40
50	2			HDB9H631B50	HDB9H631C50	HDB9H631D50
63	2			HDB9H631B63	HDB9H631C63	HDB9H631D63

Note: Width refers to multiple of 9 mm.

B curve products need to customize

HDB9 18mm Miniature Circuit Breaker





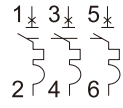
Standard: IEC 60898-1

Trip Curve: B, C and D curves

Breaking Capacity: 6000/10000A



Order Information

Type	Breaking Capacity(kA)	Rating(A)	Width	Reference		
				B Curve	C Curve	D Curve
 	6	1	4	HDB9N632B1	HDB9N632C1	HDB9N632D1
		2	4	HDB9N632B2	HDB9N632C2	HDB9N632D2
		4	4	HDB9N632B4	HDB9N632C4	HDB9N632D4
		6	4	HDB9N632B6	HDB9N632C6	HDB9N632D6
		10	4	HDB9N632B10	HDB9N632C10	HDB9N632D10
		16	4	HDB9N632B16	HDB9N632C16	HDB9N632D16
		20	4	HDB9N632B20	HDB9N632C20	HDB9N632D20
		25	4	HDB9N632B25	HDB9N632C25	HDB9N632D25
		32	4	HDB9N632B32	HDB9N632C32	HDB9N632D32
		40	4	HDB9N632B40	HDB9N632C40	HDB9N632D40
		50	4	HDB9N632B50	HDB9N632C50	HDB9N632D50
		63	4	HDB9N632B63	HDB9N632C63	HDB9N632D63
			10	1	4	HDB9H632B1
2	4			HDB9H632B2	HDB9H632C2	HDB9H632D2
4	4			HDB9H632B4	HDB9H632C4	HDB9H632D4
6	4			HDB9H632B6	HDB9H632C6	HDB9H632D6
10	4			HDB9H632B10	HDB9H632C10	HDB9H632D10
16	4			HDB9H632B16	HDB9H632C16	HDB9H632D16
20	4			HDB9H632B20	HDB9H632C20	HDB9H632D20
25	4			HDB9H632B25	HDB9H632C25	HDB9H632D25
32	4			HDB9H632B32	HDB9H632C32	HDB9H632D32
40	4			HDB9H632B40	HDB9H632C40	HDB9H632D40
50	4			HDB9H632B50	HDB9H632C50	HDB9H632D50
63	4			HDB9H632B63	HDB9H632C63	HDB9H632D63
 	6			1	6	HDB9N633B1
		2	6	HDB9N633B2	HDB9N633C2	HDB9N633D2
		4	6	HDB9N633B4	HDB9N633C4	HDB9N633D4
		6	6	HDB9N633B6	HDB9N633C6	HDB9N633D6
		10	6	HDB9N633B10	HDB9N633C10	HDB9N633D10
		16	6	HDB9N633B16	HDB9N633C16	HDB9N633D16
		20	6	HDB9N633B20	HDB9N633C20	HDB9N633D20
		25	6	HDB9N633B25	HDB9N633C25	HDB9N633D25
		32	6	HDB9N633B32	HDB9N633C32	HDB9N633D32
		40	6	HDB9N633B40	HDB9N633C40	HDB9N633D40
		50	6	HDB9N633B50	HDB9N633C50	HDB9N633D50
		63	6	HDB9N633B63	HDB9N633C63	HDB9N633D63

Note: Width refers to multiple of 9 mm.

B curve products need to customize

Final Distribution

HDB9 18mm Miniature Circuit Breaker

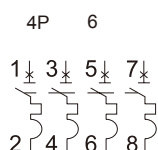
Standard: IEC 60898-1
 Trip Curve: B, C and D curves
 Breaking Capacity: 6000/10000A



Final Distribution

Order Information

Type	Breaking Capacity(kA)	Rating(A)	Width	Reference		
				B Curve	C Curve	D Curve
10		1	6	HDB9H633B1	HDB9H633C1	HDB9H633D1
		2	6	HDB9H633B2	HDB9H633C2	HDB9H633D2
		4	6	HDB9H633B4	HDB9H633C4	HDB9H633D4
		6	6	HDB9H633B6	HDB9H633C6	HDB9H633D6
		10	6	HDB9H633B10	HDB9H633C10	HDB9H633D10
		16	6	HDB9H633B16	HDB9H633C16	HDB9H633D16
		20	6	HDB9H633B20	HDB9H633C20	HDB9H633D20
		25	6	HDB9H633B25	HDB9H633C25	HDB9H633D25
		32	6	HDB9H633B32	HDB9H633C32	HDB9H633D32
		40	6	HDB9H633B40	HDB9H633C40	HDB9H633D40
		50	6	HDB9H633B50	HDB9H633C50	HDB9H633D50
		63	6	HDB9H633B63	HDB9H633C63	HDB9H633D63



4P 6		1	8	HDB9N634B1	HDB9N634C1	HDB9N634D1
		2	8	HDB9N634B2	HDB9N634C2	HDB9N634D2
		4	8	HDB9N634B4	HDB9N634C4	HDB9N634D4
		6	8	HDB9N634B6	HDB9N634C6	HDB9N634D6
		10	8	HDB9N634B10	HDB9N634C10	HDB9N634D10
		16	8	HDB9N634B16	HDB9N634C16	HDB9N634D16
		20	8	HDB9N634B20	HDB9N634C20	HDB9N634D20
		25	8	HDB9N634B25	HDB9N634C25	HDB9N634D25
		32	8	HDB9N634B32	HDB9N634C32	HDB9N634D32
		40	8	HDB9N634B40	HDB9N634C40	HDB9N634D40
		50	8	HDB9N634B50	HDB9N634C50	HDB9N634D50
		63	8	HDB9N634B63	HDB9N634C63	HDB9N634D63

10		1	8	HDB9H634B1	HDB9H634C1	HDB9H634D1
		2	8	HDB9H634B2	HDB9H634C2	HDB9H634D2
		4	8	HDB9H634B4	HDB9H634C4	HDB9H634D4
		6	8	HDB9H634B6	HDB9H634C6	HDB9H634D6
		10	8	HDB9H634B10	HDB9H634C10	HDB9H634D10
		16	8	HDB9H634B16	HDB9H634C16	HDB9H634D16
		20	8	HDB9H634B20	HDB9H634C20	HDB9H634D20
		25	8	HDB9H634B25	HDB9H634C25	HDB9H634D25
		32	8	HDB9H634B32	HDB9H634C32	HDB9H634D32
		40	8	HDB9H634B40	HDB9H634C40	HDB9H634D40
		50	8	HDB9H634B50	HDB9H634C50	HDB9H634D50
		63	8	HDB9H634B63	HDB9H634C63	HDB9H634D63

Note: Width refers to multiple of 9 mm.

B curve products need to customize

HDB9 18mm Miniature Circuit Breaker

Standard: IEC 60898-1

Trip Curve: B, C and D curves

Breaking Capacity: 6000/10000A



Technical Data

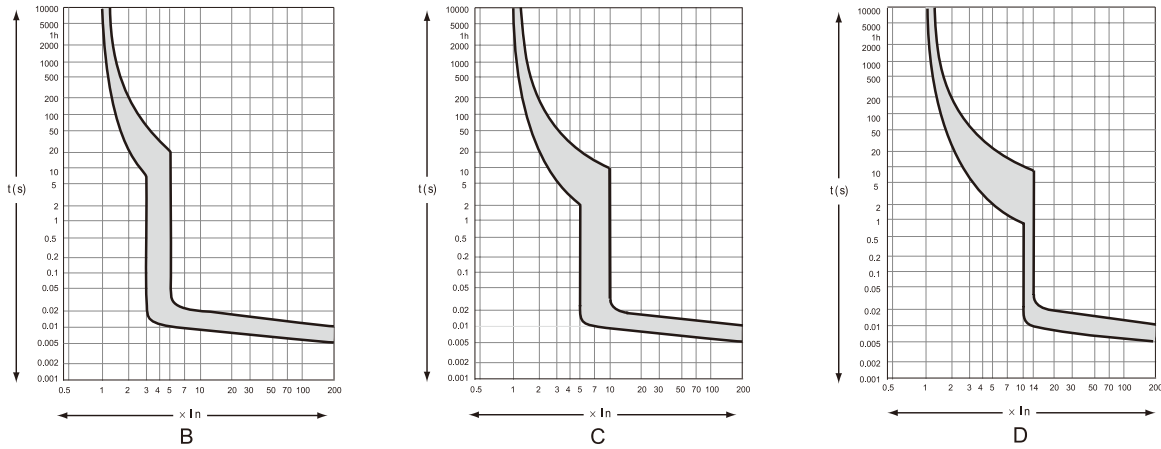
MCB	HDB9 18mm Circuit Breaker					
Electrical Features	Standard	IEC 60898-1				
	Certification	KEMA CB CE				
	Poles	1-4P				
	Rated Current In	1,2,4,6,10,16,20,25,32,40,50,63A				
	Rated Voltage Ue	230/400V AC				
	Insulation Voltage Ui	500V				
	Breaking Capacity Icn					
		Rate Current(A)	Breaking Capacity Icn(kA)	Type	Poles	Voltage (V)
		1-63	6	B,C,D	1P 2P,3P,4P	230/400 400
		1-63	10	B,C,D	1P 2P,3P,4P	230/400 400
Mechanical Features	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					
		Electrical Durability	10000 times			
	Mechanical Durability	20000 times				
	Protection Degree	2				
	Ambient Temperature	-30 °C~+70°C				
Connection	1-32A	Up to 25mm ² cables	40-63	Up to 35mm ² cables		
Installation	Rate Current(A)	Screw	Rated Torque(Nm)	Limiting Torque(Nm)		
	1-32	M5	2.0	2.5		
	40-63	M6.5	3.5	2.5		
Mounting	35mm Din-rail					
Accessories	Contact Accessory OF					
	Fault-Indicating Accessory SD					
	Shunt-Trip Release MX+OF					

HDB9 18mm Miniature Circuit Breaker

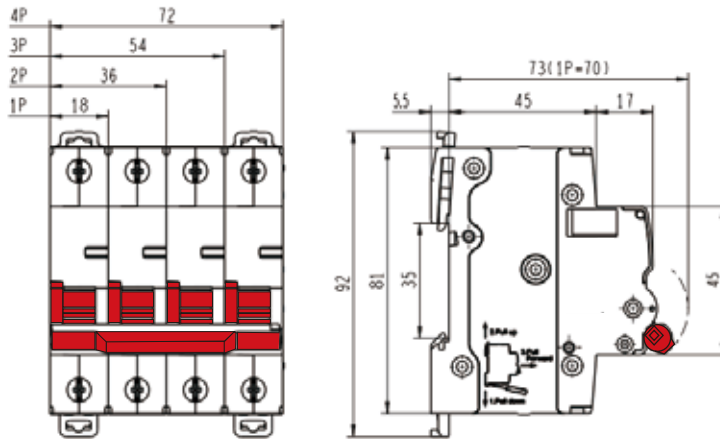
Standard: IEC 60898-1
 Trip Curve: B, C and D curves
 Breaking Capacity: 6000/10000A



Tripping Curve

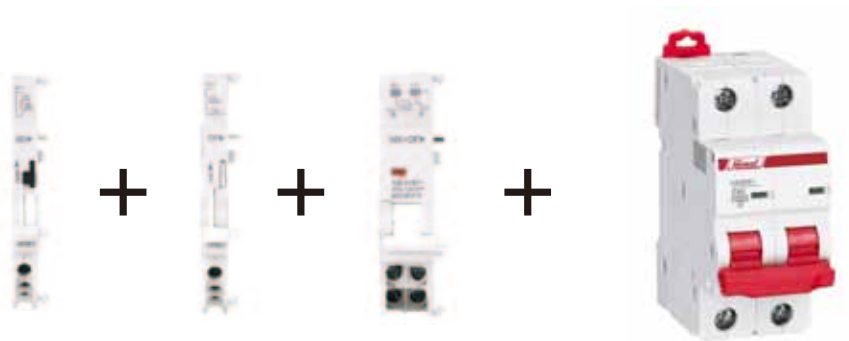


Overall Dimensions



Unit: mm

Accessories



HDB2 27mm Miniature Circuit Breaker

Standard: IEC 60947-2
 Trip Curve: C and D curves
 Breaking Capacity: 10000A




Function

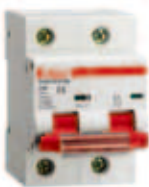
HDB2 miniature circuit breakers combine the following functions:

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

Order Information



Type	Rating (A)	Width (in mod.of 9mm)	Reference	
			C curve	D curve
1P	63	3	HDB2H1C63	HDB2H1D63
1 $\frac{1}{2}$	80	3	HDB2H1C80	HDB2H1D80
	100	3	HDB2H1C100	HDB2H1D100
2 $\frac{1}{2}$	125	3	HDB2H1C125	HDB2H1D125



2P	63	6	HDB2H2C63	HDB2H2D63
1 $\frac{1}{2}$ 3 $\frac{1}{2}$	80	6	HDB2H2C80	HDB2H2D80
	100	6	HDB2H2C100	HDB2H2D100
2 $\frac{1}{4}$ 4	125	6	HDB2H2C125	HDB2H2D125



3P	63	9	HDB2H3C63	HDB2H3D63
1 $\frac{1}{2}$ 3 $\frac{1}{2}$ 5 $\frac{1}{2}$	80	9	HDB2H3C80	HDB2H3D80
	100	9	HDB2H3C100	HDB2H3D100
2 $\frac{1}{4}$ 4 $\frac{1}{2}$ 6	125	9	HDB2H3C125	HDB2H3D125



4P	63	12	HDB2H4C63	HDB2H4D63
1 $\frac{1}{2}$ 3 $\frac{1}{2}$ 5 $\frac{1}{2}$ 7 $\frac{1}{2}$	80	12	HDB2H4C80	HDB2H4D80
	100	12	HDB2H4C100	HDB2H4D100
2 $\frac{1}{4}$ 4 $\frac{1}{2}$ 6 $\frac{1}{2}$ 8	125	12	HDB2H4C125	HDB2H4D125

HDB2 27mm Miniature Circuit Breaker

Standard: IEC 60947-2
 Trip Curve: C and D curves
 Breaking Capacity: 10000A



Technical Data

MCB	HDB2 27mm Circuit Breaker			
Electrical Features	Standard	IEC60947-2		
	Certification	CB, SEMKO, CE, RoHS		
	Poles	1-4P		
	Rated Current In	63,80,100,125A		
	Rated Voltage Ue	230/400V AC		
	Insulation Voltage Ui	500V		
	Breaking Capacity Icn			
	Rating (A)	Poles	Voltage (V)	Breaking capacity (kA)
	63~125	1P	230	10
		2P,3P,4P	400	10
Tripping Curve (see following tripping curve pictures)				
(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	1500 times(In≤100A),1000 times(In=125A)		
	Mechanical Durability	8500 times(In≤100A),7000 times(In=125A)		
	Protection Degree	2		
	Tropicalization	treatment 2		
	Ambient Temperature	-5°C ~ +40°C		
Connection	Up to 50mm ² cables			
Installation	Rate current(A)	Screw	Rated Torque (Nm)	Limiting Torque (Nm)
	63-125	M7	4	5.5
Mounting	35mm Din-rail			
Accessories	Contact Accessory:	OF		
	Shunt-trip Release:	MX+OF		

HDB2 27mm Miniature Circuit Breaker

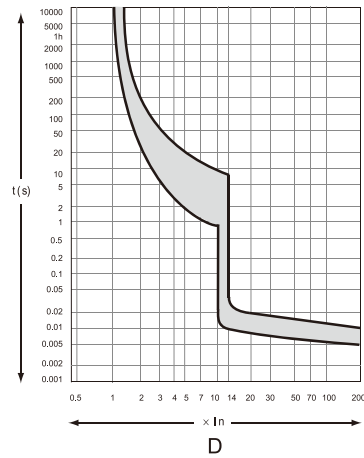
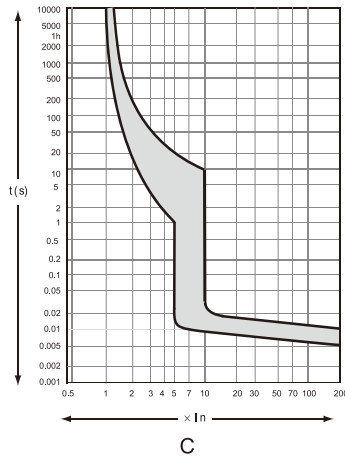
Standard: IEC 60947-2

Trip Curve: C and D curves

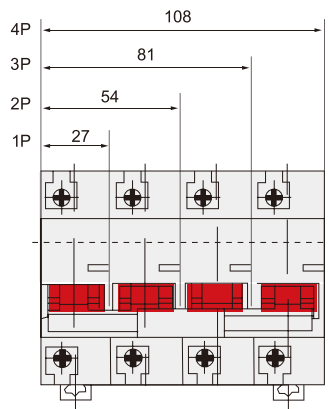
Breaking Capacity: 10000A



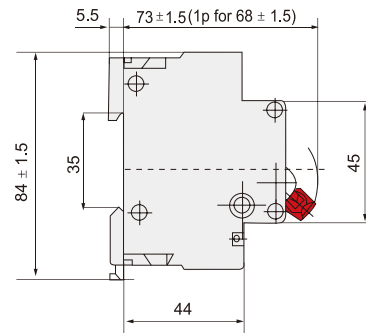
Tripping Curves



Overall Dimensions



Unit:mm



Accessories



MX+OF



OF



HDB2

Final Distribution

HDB6p Phase-neutral Circuit Breaker

Standard: IEC 60898-1
 Trip Curve: C curve
 Breaking Capacity: 4500A



Function

HDB6p phase-neutral circuit breakers combine the following functions:

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

Order Information



Type	Rating (A)	Width (in mod.of 9mm)	Reference C curve
1P+N	6	2	HDB6pC6
	10	2	HDB6pC10
	16	2	HDB6pC16
	20	2	HDB6pC20
	25	2	HDB6pC25
	32	2	HDB6pC32

Technical Data

MCB	HDB6p Phase-neutral Circuit Breaker			
Electrical Features	Standard	IEC60898-1		
	Certification	CB		
	Poles	1P+N		
	Rated Current In	6,10,16,20,25,32A		
	Rated Voltage Ue	230V AC		
	Insulation Voltage Ui	500V		
	Breaking Capacity Icn	4.5KA		
Tripping Curve (see following tripping curve pictures)				
C curve:the magnetic release operates between 5 and 10In				
Mechanical Features	Electrical Durability	4000 times		
	Mechanical Durability	16000 times		
	Protection Degree	2		
	Tropicalization	treatment 2		
	Ambient Temperature	-5°C~+40°C		
Connection	Up to 10mm ² cables			
Installation	Rate current(A)	Screw	Rated Torque (Nm)	Limiting Torque (Nm)
	6-32	M4	2	3
Mounting	35mm Din-rail			

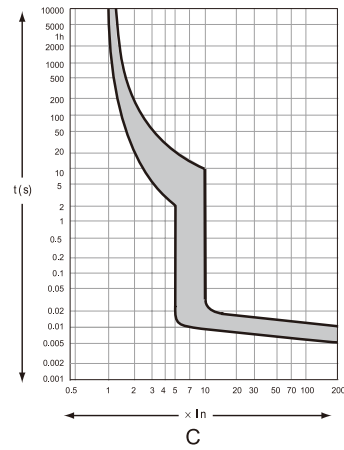
HDB6p Phase-neutral Circuit Breaker

Standard: IEC 60898-1
Trip Curve: C curve
Breaking Capacity: 4500A

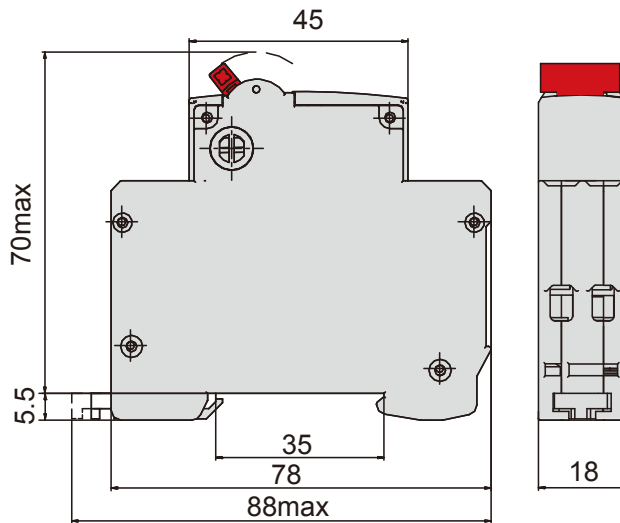


Tripping Curve

HDB6p Phase-neutral Circuit Breaker



Overall Dimensions



Unit:mm

HDB3 Phase-neutral Circuit Breaker

Standard: IEC 60898-1
 Trip Curve: C curves
 Breaking Capacity: 3000A



Function

HDB3 phase-neutral circuit breakers combine the following functions:

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

Order Information



Type	Rating (A)	Width (in mod.of 9mm)	Reference
			C curve
1P+N	6	2	HDB3a5C6
	10	2	HDB3a5C10
	16	2	HDB3a5C16
	20	2	HDB3a5C20
	25	2	HDB3a5C25
	32	2	HDB3a5C32

Technical Data

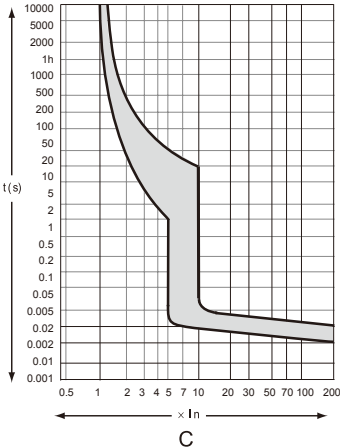
MCB	HDB3 Phase-neutral Circuit Breaker			
Electrical Features	Standard	IEC60898-1		
	Certification	CE		
	Poles	1P+N		
	Rated Current In	6,10,16,20,25,32A		
	Rated Voltage Ue	230V AC		
	Insulation Voltage Ui	500V		
	Breaking Capacity Icn	3kA		
	Tripping Curve (see following tripping curve pictures)			
C curve:the magnetic release operates between 5 and 10In				
Mechanical Features	Electrical Durability	4000 times		
	Mechanical Durability	16000 times		
	Protection Degree	2		
	Tropicalization	treatment 2		
	Ambient Temperature	-5°C ~ +40°C		
Connection	Up to 10mm ² cables			
Installation	Rate current(A)	Screw	Rated Torque (Nm)	Limiting Torque (Nm)
	6-32	M4	2	3
Mounting	35mm Din-rail			

HDB3 Phase-neutral Circuit Breaker

Standard: IEC 60898-1
Trip Curve: C curves
Breaking Capacity: 3000A



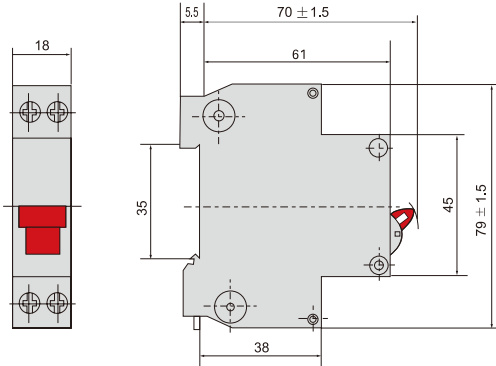
Tripping Curves



Final Distribution

Overall Dimensions

Unit: mm



HDB6IS Switch Disconnecter


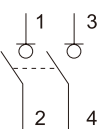
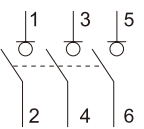
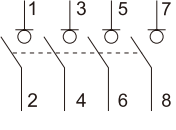
Standard: IEC 60947-3



Function

- HDB6IS switch disconnecters combine the following functions:
- Making and breaking normal load circuits
 - Isolation

Order Information

Type	Rating (A)	Width (in mod.of 9mm)	Reference
1P 	20	2	HDB6IS120
	32	2	HDB6IS132
	63	2	HDB6IS163
	100	2	HDB6IS1100
	125	2	HDB6IS1125
2P 	20	4	HDB6IS220
	32	4	HDB6IS232
	63	4	HDB6IS263
	100	4	HDB6IS2100
	125	4	HDB6IS2125
3P 	20	6	HDB6IS320
	32	6	HDB6IS332
	63	6	HDB6IS363
	100	6	HDB6IS3100
	125	6	HDB6IS3125
4P 	20	8	HDB6IS420
	32	8	HDB6IS432
	63	8	HDB6IS463
	100	8	HDB6IS4100
	125	8	HDB6IS4125



HDB6IS Switch Disconnecter

Standard: IEC 60947-3



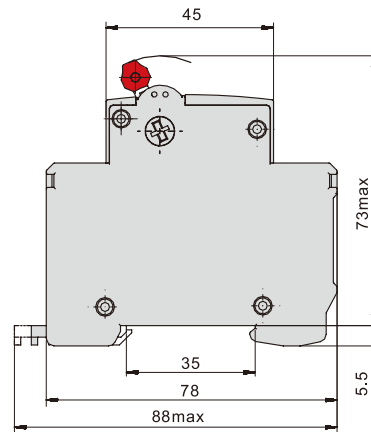
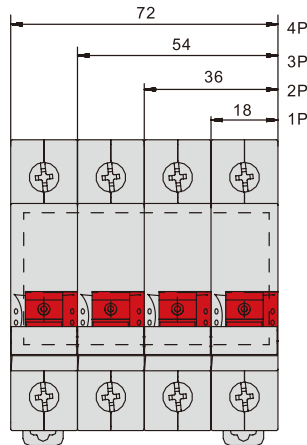
Technical Data

Switch Disconnecter	HDB6IS Switch Disconnecter			
Electrical Features	Standard	IEC60947-3		
	Certification	CB,CE,SEMKO		
	Poles	1-4P		
	Rated Current In	20, 32, 63, 100,125A		
	Rated Voltage Ue	230/400V AC		
	Insulation Voltage Ui	500V		
	Short-time Withstand Capacity for 1s	12Ie		
Mechanical Features	Electrical Durability	1500 times		
	Mechanical Durability	8500 times		
	Protection Degree	2		
	Ambient Temperature	- 5°C ~ +40°C		
	Tropicalization	treatment 2		
Connection	Up to 50mm ² cables			
Installation	Rate current(A)	Screw	Rated Torque (Nm)	Limiting Torque (Nm)
	20-125	M7	4	5.5
Mounting	35mm Din-rail			

Final Distribution

Overall Dimensions

Unit: mm



HDB5 Switch Disconnecter

Standard: IEC 60947-3


Function

HDB5 switch disconnectors combine the following functions:

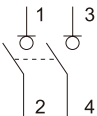
- Making and breaking normal load circuits
- Isolation

Order Information

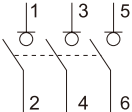


Type	Voltage (V)	Rating (A)	Width (in mod.of 9mm)	Reference
1P 	230/400	20	2	HDB5120
		32	2	HDB5132
		63	2	HDB5163
		100	2	HDB51100

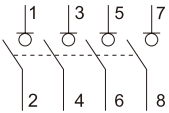


2P 	400	20	4	HDB5220
		32	4	HDB5232
		63	4	HDB5263
		100	4	HDB52100



3P 	400	20	6	HDB5320
		32	6	HDB5332
		63	6	HDB5363
		100	6	HDB53100



4P 	400	20	8	HDB5420
		32	8	HDB5432
		63	8	HDB5463
		100	8	HDB54100

HDB5 Switch Disconnecter

Standard: IEC 60947-3

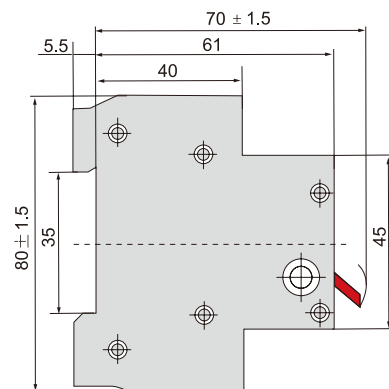
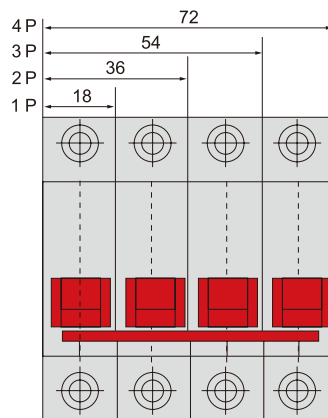
Technical Data

Switch Disconnecter	HDB5 Switch Disconnecter			
Electrical Features	Standard	IEC60947-3		
	Poles	1-4P		
	Rated Current In	20, 32, 63, 100A		
	Rated Voltage Ue	230/400V AC		
	Insulation Voltage Ui	500V		
	Rated Short-circuit Making Capacity	1066A(Ie:20~63A) 1692A(Ie:100A), Peak current		
	Short-time Withstand Capacity for 1s	756A(Ie:20~63A) 1200A(Ie:100A)		
Mechanical Features	Electrical Durability	1500 times		
	Mechanical Durability	8500 times		
	Protection Degree	2		
	Ambient Temperature	-5°C ~ +40°C		
	Tropicalization	treatment 2		
	Storage Temperature	-25°C ~+55°C		
Connection	Up to 50mm ² cables			
Installation	Rate current(A)	Screw	Rated Torque (Nm)	Limiting Torque (Nm)
	20-100	M7	4	5.5
Mounting	35mm Din-rail			

Final Distribution

Overall Dimensions

Unit:mm



HDG9 Switch Disconnecter

Standard: IEC 60947-3


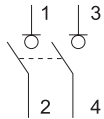
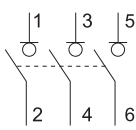
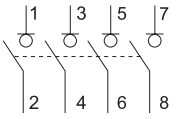


Function

HDG9 switch disconnectors combine the following functions:

- Making and breaking normal load circuits
- Isolation

Order Information

Type	Rating(A)	Width (in mod.of 9mm)	Reference
1P			
	32	2	HDG9125132
	63	2	HDG9125163
	100	2	HDG91251100
	125	2	HDG91251125
<hr/>			
2P			
	32	4	HDG9125232
	63	4	HDG9125263
	100	4	HDG91252100
	125	4	HDG91252125
<hr/>			
3P			
	32	6	HDG9125332
	63	6	HDG9125363
	100	6	HDG91253100
	125	6	HDG91253125
<hr/>			
4P			
	32	8	HDG9125432
	63	8	HDG9125463
	100	8	HDG91254100
	125	8	HDG91254125



HDG9 Switch Disconnecter

Standard: IEC 60947-3

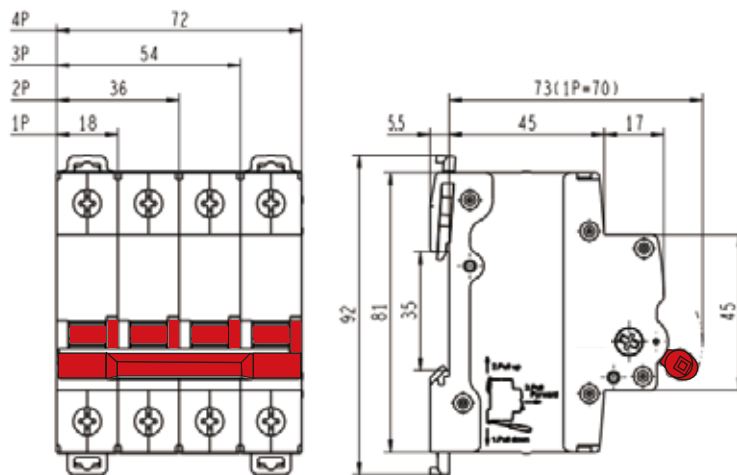


Technical Data

Switch Disconnecter	HDG9 Switch Disconnecter			
Electrical Features	Standard	IEC 60947-3		
	Certification	CB, CE, TUV		
	Poles	1-4P		
	Rated Current In	32, 63, 100, 125A		
	Rated Voltage Ue	230/400VAC		
	Insulation Voltage Ui	500V		
	Short-time Withstand Current for 1s	12Ie		
	Mechanical Features	Electrical Durability	10000 times	
Mechanical Durability		20000 times		
Protection Degree		2		
Ambient Temperature		-30 °C~+70°C		
Tropicalization		treatment 2		
Connection	Up to 50mm ² cables			
Installation	Rate current(A)	Screw	Rated Torque(Nm)	Limiting Torque(Nm)
	32-125	M6.5	3.5	3.5
Mounting	35mm Din-rail			

Overall Dimensions

Unit: mm



Final Distribution