

HDB2 27mm Miniature Circuit Breaker

Standard: IEC/EN 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



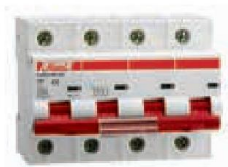
Type	Rating (A)	Width (in mod.of 9mm)	Reference	
			C curve	D curve
1P	63	3	HDB2H1C63	HDB2H1D63
1	80	3	HDB2H1C80	HDB2H1D80
	100	3	HDB2H1C100	HDB2H1D100
	125	3	HDB2H1C125	HDB2H1D125



2P	63	6	HDB2H2C63	HDB2H2D63
1 3	80	6	HDB2H2C80	HDB2H2D80
	100	6	HDB2H2C100	HDB2H2D100
	125	6	HDB2H2C125	HDB2H2D125



3P	63	9	HDB2H3C63	HDB2H3D63
1 3 5	80	9	HDB2H3C80	HDB2H3D80
	100	9	HDB2H3C100	HDB2H3D100
	125	9	HDB2H3C125	HDB2H3D125



4P	63	12	HDB2H4C63	HDB2H4D63
1 3 5 7	80	12	HDB2H4C80	HDB2H4D80
	100	12	HDB2H4C100	HDB2H4D100
	125	12	HDB2H4C125	HDB2H4D125

Final Distribution

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Technical Data

MCB	HDB2 27mm Circuit Breaker			
Electrical Features	Standard	IEC/EN 60947-2		
	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 Characteristics (see following tripping curve picture)				
Ii (C) : the magnetic release operates between $8.5I_n \pm 20\%$				
Ii (D) : the magnetic release operates between $12I_n \pm 20\%$				
Mechanical Features	Electrical Durability	1500 times($I_n \leq 100A$), 1000 times($I_n = 125A$)		
	Mechanical Durability	8500 times($I_n \leq 100A$), 7000 times($I_n = 125A$)		
	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		

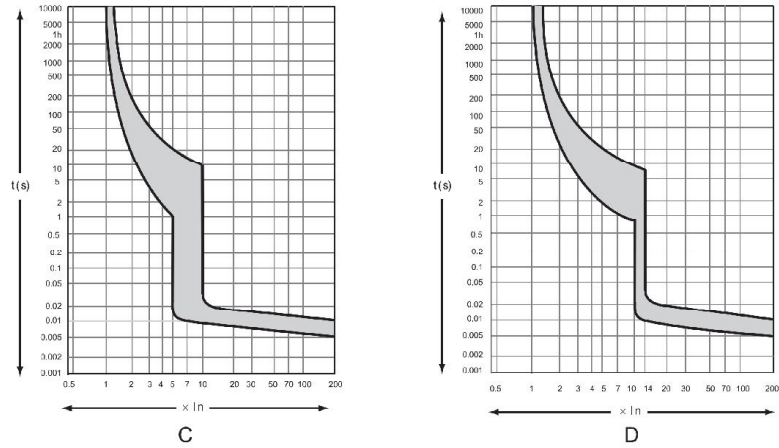
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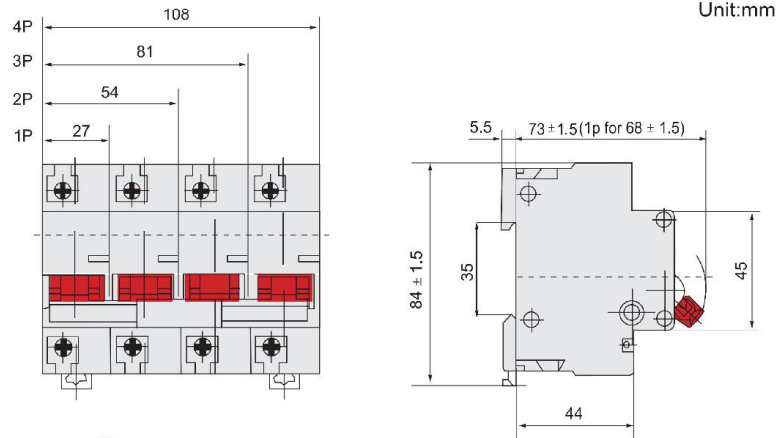


Tripping Curves



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Overall Dimensions



Accessories



MX+OF

HDB2

Accessories

HDB2,HDB2LE

The sketch map of installation with breakers



MX+OF

+



Breaker

Final Distribution

Introductions

- MX+OF must be assembled on the left
- Each time only one auxiliary accepted on the left of MCB

Tripping Device

- **MX+OF shunt trip release**
 - Indicate ON or OFF state of the breaker
 - Make the assembled breaker trip once got signal
 - Basic type of auxiliary contact:1NO+1NC
 - Connection: 1-4mm² cables

Order Information



Type	Width(mm)	Description	Reference
MX+OF	18	AC/DC24V	HDB2MX24
	18	AC48V~130V DC48V	HDB2MX48
	18	AC230V-400V DC110V-130V	HDB2MX230

