



FEATURES:

1. The handle being sealable or equipped with padlock bracket avoids dangerous operation changes (ON/OFF).
2. The handle provides a clear indication of the contact position
3. Adequate printing of all data on the front provides long-term identification
4. This MCB for household in accordance with IEC60898 - B,C and D tripping characteristics.
5. This MCB may be extended with:
 - A wide range of RCDs
 - Full sets of additional components
 - Full sets of accessories

Functions:

Used in residential building, non-residential building, energy sources, industry and infrastructure with function of overload protection;
Short circuit protection isolation;

Technical specifications

Standard: IEC60898-1

Approvals: CE, CB

Rated current I_n (A): 1,2,3,4,6,10,16,20,25,32,40,50,63

Rated voltage U_n (VAC): 230/400V

Operational voltage (VAC): Min. 24 Max. 250/440

Rated insulation voltage (VAC): 500

Number of poles: 1,2,3,4

Tripping characteristic: B,C,D

Characteristic curve B (I_n): 3 - 5

Characteristic curve C (I_n): 5 -10

Characteristic curve D (I_n): 10 -20

Thermal operation limit(I_n): 1.13 - 1.45

Rated switching capacity i_{cn} (KA): 4.5/6

Degree of protection: IP20, with connected conductors

Electrical life(times): 4,000

Mechanical life(times): 10,000

Mounting position: any

Conductor Cross-sections

Solid and stranded (mm²): 0.75-35

Finely stranded with end sleeve (mm²): 0.72-25

Terminal tightening torque (N.M): 2.5-4

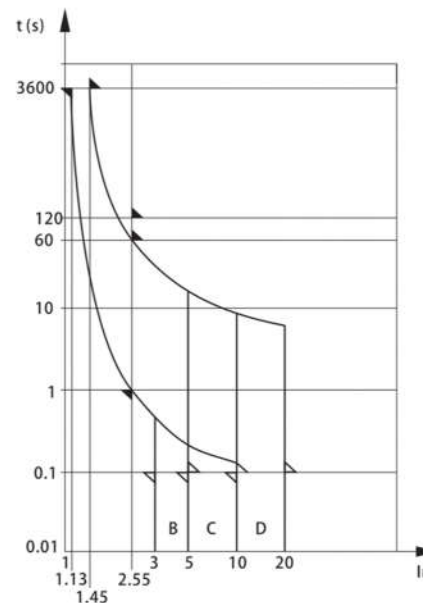
Ambient temperature(°C): -25~+45, max 95% humidity

Storage temperature(°C): -40~ +75

Altitude Max (meters): Max 2000

TRIPPING CHARACTERISTIC CURVES

● IEC60898 STANDARD



● Magnetic release

An electromagnet with plunger ensures instantaneous tripping in case of short circuit. The IEC 60898 distinguishes three different types, following the current for instantaneous release: type B, C, D

	TEST CURRENT	TRIPPING TIME	APPLICATIONS
B	3 In	0.1<t<45s(In≤32A)	Only for resistive loads such as: -electrical heating -water heater -stoves
	5 In	0.1<t<90s(In>32A) t<0.1s	
C	5 In	0.1<t<15s(In≤32A)	Usual loads such as: -lighting -socket outlets -stoves
	10 In	0.1<t<30s(In>32A) t<0.1s	
D	10 In	0.1<t<4s(In≤32A)	Control and protection of circuits having important transient inrush currents (large motors)
	20 In	0.1<t<8s(In>32A) t<0.1s	

● Thermal release

- The release is initiated by a bimetal strip in case of overload
- The standard defines the range of release of specific overload values
- Reference ambient temperature is 30°C

TEST CURRENT	TRIPPING TIME
1.13 In	t≥1h (In≤63A)
1.45 In	t<1h (In≤63A)
2.55 In	1s<t<60s(In≤32A) 1s<t<120s(In>32A)

● ACCESSORIES IS INTRODUCED



Arc suppression system:

Improved arc suppression system: extended service life, increased resistance to short-circuit currents



Composite material:

Soldered-on composite material with silver improves wear resistance of the contact assembly and decreases the transient resistance



Connection:

Simultaneous connection by PIN bar and flexible conductor is possible for power supply distribution via upper terminals



Conductor connection:

Increased robustness of the casing in conductor connection area due to two additional rivets and solid faceplate



Indicator:

Contact position indicator.



Notched terminal clamps:

Notched terminal clamps reduce the heat loss and increase mechanical stability of the connection



Mechanism:

Factory settings of the thermal release mechanism are protected from modification by the insert made from acrylic plastic



Casing:

The circuit breaker casing is additionally protected from burnout by plastic and metal anti-burnout plates that also withdraw heat

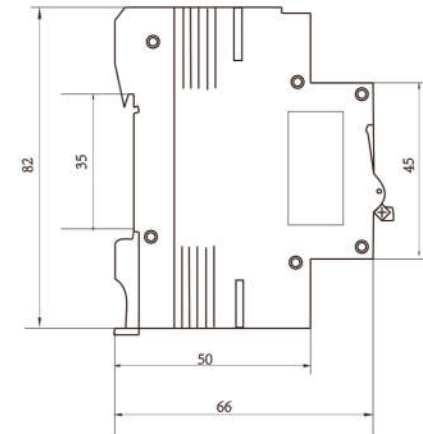
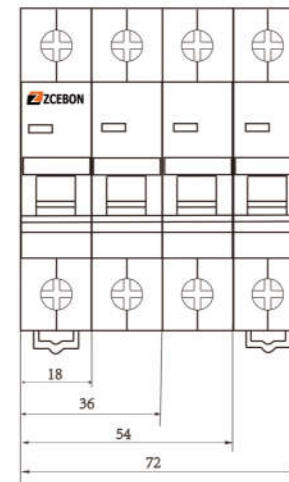


Double locking:

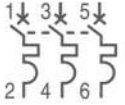
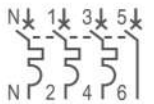
Quick installation and additional reliability of snapping on to the DIN-rail due to the latch with double locking

● Outline dimensions

UNIT IN MM



IEC60898 6KA	NO.of poles	Rated current In(A)	Curve B Type	Curve C Type	Curve D Type
	1 	1	LWB1-B1-1	LWB1-C1-1	LWB1-D1-1
		2	LWB1-B2-1	LWB1-C2-1	LWB1-D2-1
		3	LWB1-B3-1	LWB1-C3-1	LWB1-D3-1
		4	LWB1-B4-1	LWB1-C4-1	LWB1-D4-1
		6	LWB1-B6-1	LWB1-C6-1	LWB1-D6-1
		10	LWB1-B10-1	LWB1-C10-1	LWB1-D10-1
		16	LWB1-B16-1	LWB1-C16-1	LWB1-D16-1
		20	LWB1-B20-1	LWB1-C20-1	LWB1-D20-1
		25	LWB1-B25-1	LWB1-C25-1	LWB1-D25-1
		32	LWB1-B32-1	LWB1-C32-1	LWB1-D32-1
		40	LWB1-B40-1	LWB1-C40-1	LWB1-D40-1
		50	LWB1-B50-1	LWB1-C50-1	LWB1-D50-1
		63	LWB1-B63-1	LWB1-C63-1	LWB1-D63-1
	2 	1	LWB1-B1-2	LWB1-C1-2	LWB1-D1-2
		2	LWB1-B2-2	LWB1-C2-2	LWB1-D2-2
		3	LWB1-B3-2	LWB1-C3-2	LWB1-D3-2
		4	LWB1-B4-2	LWB1-C4-2	LWB1-D4-2
		6	LWB1-B6-2	LWB1-C6-2	LWB1-D6-2
		10	LWB1-B10-2	LWB1-C10-2	LWB1-D10-2
		16	LWB1-B16-2	LWB1-C16-2	LWB1-D16-2
		20	LWB1-B20-2	LWB1-C20-2	LWB1-D20-2
		25	LWB1-B25-2	LWB1-C25-2	LWB1-D25-2
		32	LWB1-B32-2	LWB1-C32-2	LWB1-D32-2
		40	LWB1-B40-2	LWB1-C40-2	LWB1-D40-2
		50	LWB1-B50-2	LWB1-C50-2	LWB1-D50-2
		63	LWB1-B63-2	LWB1-C63-2	LWB1-D63-2

IEC60898 6KA	NO.of poles	Rated current In(A)	Curve B Type	Curve C Type	Curve D Type
	3 	1	LWB1-B1-3	LWB1-C1-3	LWB1-D1-3
		2	LWB1-B2-3	LWB1-C2-3	LWB1-D2-3
		3	LWB1-B3-3	LWB1-C3-3	LWB1-D3-3
		4	LWB1-B4-3	LWB1-C4-3	LWB1-D4-3
		6	LWB1-B6-3	LWB1-C6-3	LWB1-D6-3
		10	LWB1-B10-3	LWB1-C10-3	LWB1-D10-3
		16	LWB1-B16-3	LWB1-C16-3	LWB1-D16-3
		20	LWB1-B20-3	LWB1-C20-3	LWB1-D20-3
		25	LWB1-B25-3	LWB1-C25-3	LWB1-D25-3
		32	LWB1-B32-3	LWB1-C32-3	LWB1-D32-3
		40	LWB1-B40-3	LWB1-C40-3	LWB1-D40-3
		50	LWB1-B50-3	LWB1-C50-3	LWB1-D50-3
		63	LWB1-B63-3	LWB1-C63-3	LWB1-D63-3
	4 	1	LWB1-B1-4	LWB1-C1-4	LWB1-D1-4
		2	LWB1-B2-4	LWB1-C2-4	LWB1-D2-4
		3	LWB1-B3-4	LWB1-C3-4	LWB1-D3-4
		4	LWB1-B4-4	LWB1-C4-4	LWB1-D4-4
		6	LWB1-B6-4	LWB1-C6-4	LWB1-D6-4
		10	LWB1-B10-4	LWB1-C10-4	LWB1-D10-4
		16	LWB1-B16-4	LWB1-C16-4	LWB1-D16-4
		20	LWB1-B20-4	LWB1-C20-4	LWB1-D20-4
		25	LWB1-B25-4	LWB1-C25-4	LWB1-D25-4
		32	LWB1-B32-4	LWB1-C32-4	LWB1-D32-4
		40	LWB1-B40-4	LWB1-C40-4	LWB1-D40-4
		50	LWB1-B50-4	LWB1-C50-4	LWB1-D50-4
		63	LWB1-B63-4	LWB1-C63-4	LWB1-D63-4