



E-mail:zcebox@zcebox.com

Tangshan Zhengcheng Electric Co.,Ltd



CIRCUIT BREAKER

Catalog



1-2 / LWB1G

3-8 / LWB1-63

9-12 / LWB1-125

13-18 / LWBX-63

19-24 / LWB6-63

25-28 / LWL1

29-32 / LWBXL

33-36 / LWL6


37-42 / Accessarg



Company Profile

Founded in 2010 and located in Tangshan city Hebei province, Tangshan Zhengcheng Electric Co., Ltd plays a leading role in manufacturing various of distribution boxes and mini circuit breakers used for residential, commercial and industrial area. Subordinate to Zhengcheng Electric, ZCEBON who has the ability to produce millions pcs of products per month with his own complete set of automatic production line and calibration system.

Adhering to the independent innovation and scientific management principles, Zhengcheng Electric has built up an outstanding design team to create new products and moulds so that the products can satisfy different customers' personalized requirements. It proves that the corporation has the ability to carry over the customers' ideas, understanding and innovation to product design perfectly. The aim of the corporation is to devote himself to transforming the customers' ideas into the added value of the product and maximizing the value of the product.





FEATURES:

1. The handle provides a clear indication of the contact position
2. Adequate printing of all data on the front provides long-term identification
3. Based on the technology of MCB series LWB1G

Functions:

- Making and breaking under load condition
- Providing safety isolation for terminal distribution system
- Used in residential building, non-residential building

Technical specifications

Standard: IEC60947-3

Approvals: CE

Rated current I_n(A): 32, 63, 100

Rated voltage U_n (VAC): 230/400V

Rated insulation voltage (VAC): 500

Number of poles: 1,2,3,4

Rated short- time withstand current 20 I_n: 1s

Degree of protection: IP20, with connected conductors

Electrical life(times): 10,000

Mechanical life(times): 20,000

Fire resistance according to UL 94: V0

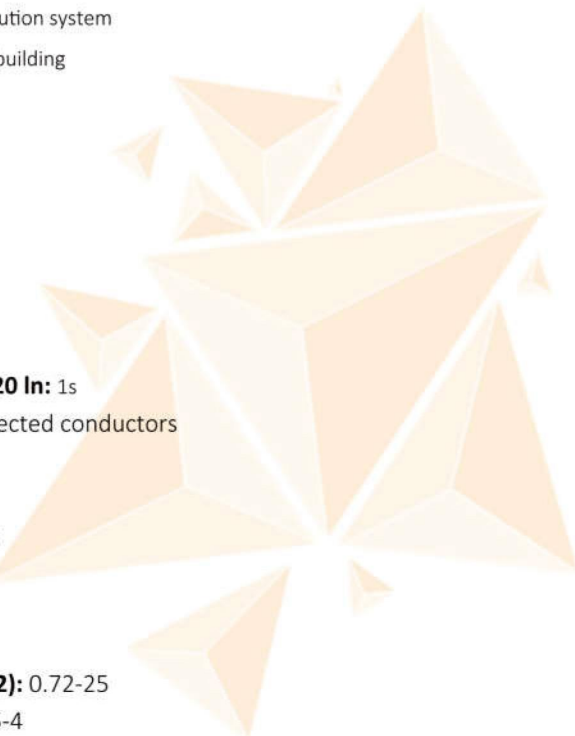
Mounting position: any

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

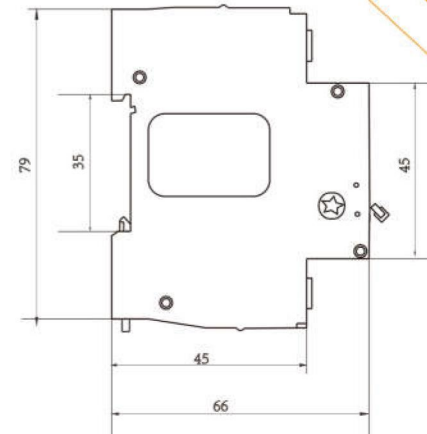
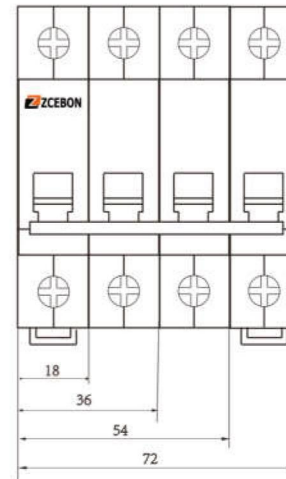
Altitude Max (meters): Max 2000

Connection capacity (mm²): 1-25

	NO.of poles	Rated current I _n (A)	Type
	1	32	LWB1G-32-1
		63	LWB1G-63-1
		100	LWB1G-100-1
	2	32	LWB1G-32-2
		63	LWB1G-63-2
		100	LWB1G-100-2
	3	32	LWB1G-32-3
		63	LWB1G-63-3
		100	LWB1G-100-3
	4	32	LWB1G-32-4
		63	LWB1G-63-4
		100	LWB1G-100-4

● Outline dimensions

UNIT IN MM





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;

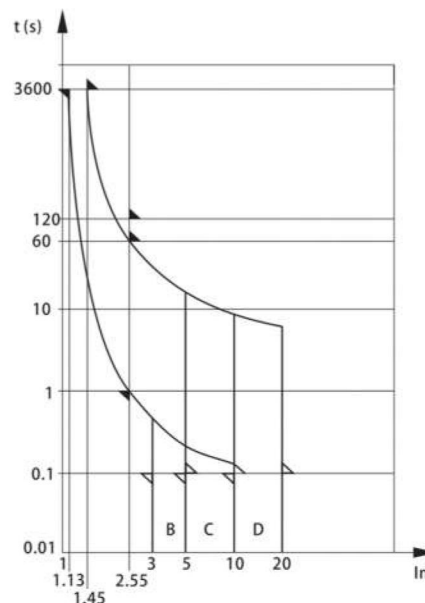
Technical specifications

- 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<80s(In>32A) t<0.1s	
D	10 In 20 In	0.1<t<4s(In≤32A) 0.1<t<80s(In>32A) t<0.1s	Control and protection of circuits having important transient inrush currents (large motors)

● 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



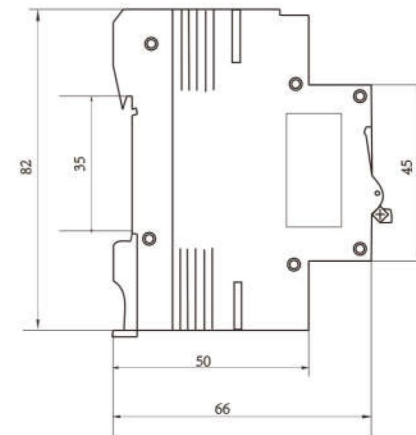
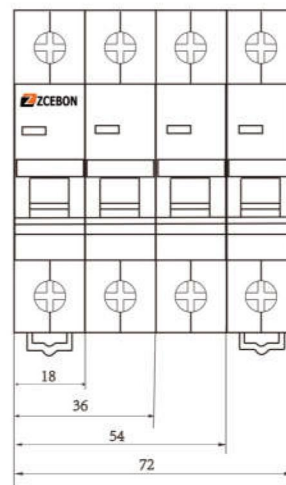
Casing:
The circuit breaker casing is additionally protected from burnout by plastic and metal anti-burnout plates that also withdraw heat











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
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
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



ADVANTAGES

1. Two types of protection against overload and short circuit.
2. Complete set of supplementary devices with the possibility of simple independent installation
3. Indication of contact position.
4. Latching on DIN-rail with double locking.
5. Wide operating temperature range from -25 to +45° C.
6. Updated wider engagement lever with improved contact area.
7. Notches on contact terminals reduce heat loss and increase mechanical stability of the connection.
8. Higher switching capacity of 6 kA provides for installing
9. Conducting current in normal mode.
10. Shutdown of current at short circuits or an overload.

Functions:

Modular circuit breakers (MCB) LWB1-125 protect distribution and group systems with active and inductive loads. They are recommended for use in lead-in distributors of domestic and industrial electric installations. 12 items per 4 rated currents ranging from 63 up to 125 A.

Standard: IEC60898

Approvals: CE

Rated current In(A): 63; 80; 100; 125

Rated voltage Un: 230/400

Operational voltage (V) :

Min:24

Max:250/400

Rated insulation voltage (V) : 500

No. of poles 1, 2, 3, 4

Thermal operating limit (In): 1.05 ~ 1.30

Tripping characteristics: B,C,D

Release B (In) : 4

Release C (In) : 8

Release D (In) : 14

Electrical durability, not less than, ops. 4000

Mechanical durability, not less than, ops. 20 000

Breaking Capacity :

Model	Rated Voltage (V)		Acc.to IEC 60898	
			Icu (kA)	Ics (kA)
LWB1 - 125	1P	230/400	10	10
	2-4P	400	10	10

Protection degree: IP20

Mounting position: Any

Conductor cross-sections:

Solid and stranded (mm²): 1-50

Finely stranded with end sleeve (mm²) : 1-35

Terminal tightening torque (N.m) : 3.5

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

Storage temperature (°C) : -40 ~ +75

Altitude Max (meters): 2,000

Connection Capacity (mm²) : 1-35

● FEATURES



Shutdown stick to curve B,C,D and rated current 63,80,100,125A.



Rated breaking capacity 6000A - maximum short circuit current, which this machine is able to disconnect and remain in working condition.



Circuit breaker construction provides for two types of protection against overcurrent that can essentially increase the safety of distribution and group systems.



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



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



Small marking window which show ON/OFF of breaker with red and green.



Increased size of screw head with cross-functional crest (+,-) simplifies installation and prevents screws loss during installation



Rated voltage - AC voltage 400V(~ sign) at which the breaker operates under normal conditions.



The LWB1-125 series breakers are approved by CE



Copper circle which is made according to rated current of the breaker



Expanded arc-extinguishing chamber allows splitting the electric arc into numerous smaller arcs that contributes to its faster extinguishing.



Ergonomic design of ON/OFF lever facilitates the commutation process.

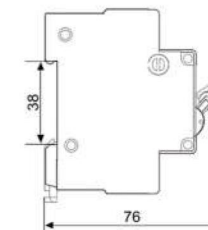
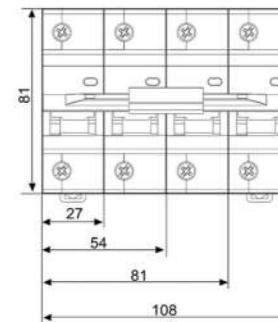


Quick installation and additional reliability of snapping on to the DIN-rail due to the latch with double locking.

IEC60898	Number of poles	Rated current In (A)	Curve B	Curve C	Curve D	Qty/box
			Type code	Type code	Type code	
	1	63	LWB1-125 B63 1P	LWB1-125 C63 1P	LWB1-125 D63 1P	8
		80	LWB1-125 B80 1P	LWB1-125 C80 1P	LWB1-125 D80 1P	8
		100	LWB1-125 B100 1P	LWB1-125 C100 1P	LWB1-125 D100 1P	8
		125	LWB1-125 B125 1P	LWB1-125 C125 1P	LWB1-125 D125 1P	8
	2	63	LWB1-125 B63 2P	LWB1-125 C63 2P	LWB1-125 D63 2P	4
		80	LWB1-125 B80 2P	LWB 1-125 C80 2P	LWB1-125 D80 2P	4
		100	LWB1-125 B100 2P	LWB1-125 C100 2P	LWB1-125 D100 2P	4
		125	LWB1-125 B125 2P	LWB1-125 C125 2P	LWB1-125 D125 2P	4
	3	63	LWB1-125 B63 3P	LWB1-125 C63 3P	LWB1-125 D63 3P	3
		80	LWB1-125 B80 3P	LWB1-125 C80 3P	LWB1-125 D80 3P	3
		100	LWB1-125 B100 3P	LWB1-125 C100 3P	LWB1-125 D100 3P	3
		125	LWB1-125 B125 3P	LWB1-125 C125 3P	LWB1-125 D125 3P	3
	4	63	LWB1-125 B63 4P	LWB1-125 C63 4P	LWB1-125 D63 4P	2
		80	LWB1-125 B80 4P	LWB1-125 C80 4P	LWB1-125 D80 4P	2
		100	LWB1-125 B100 4P	LWB1-125 C100 4P	LWB1-125 D100 4P	2
		125	LWB1-125 B125 4P	LWB1-125 C125 4P	LWB1-125 D125 4P	2

● OVERALL DIMENSIONS

UNIT IN MM





FEATURES:

1. The handle of MCB is 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. Energy limiting class of circuit breaker switch: 3
5. The emission of ionized gases is limited to the severest restrictions: 45 mm grid distance.
6. This MCB for household in accordance with IEC60898 - B,C and D tripping characteristics.
7. This MCB for industry in accordance with IEC60947-2 instantaneous tripping characteristics with release B: 4In, release C: 8In, release D: 12In
8. This MCB may be extended with:
 - A wide range of RCDs
 - Full sets of additional components
 - Full sets of accessories

Functions:

- Overload protection
 - Short circuit protection
 - Isolation
 - Controlling
- Used in residential building, non-residential building, industry, energy infrastructure

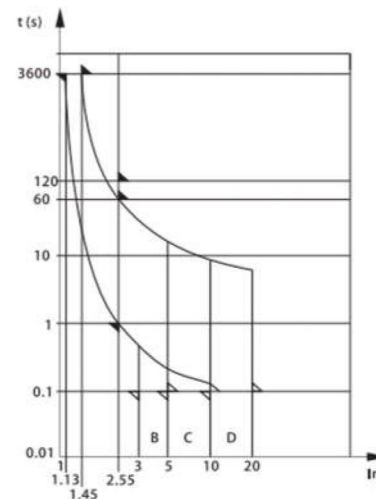
Technical specifications

Standard: IEC60898-1, IEC60947-2
Approvals: CE
Rated current In(A): 6,10,16,20,25,32,40,50,63
Rated voltage Un: AC 230/400V DC 250V/500V

Rated frequency (Hz): 50/60
Number of poles: 1,2,3,4
Tripping characteristic: B,C,D
Characteristic curve B (In): 3 - 5
Characteristic curve C (In): 5 -10
Characteristic curve D (In): 10 -20
Rated switching capacity Icn (A): 6000
Degree of protection: IP20, with connected conductors
Electrical life(times): 6,000
Mechanical life(times): 15,000
Breaking capacity
Fire resistance according to UL 94: V0
Mounting position: any
Cross-sections of wire (mm²) : 25
Terminal tightening torque (N.M) : 2.5
Working environment temperature(°C) : -40~ +50,max 95% humidity
Altitude (meters) : Max 2000

TRIPPING CHARACTERISTIC CURVES

● **IEC60898-1 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

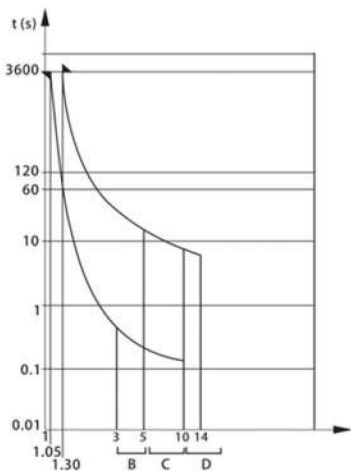
	TEST CURRENT	TRIPPING TIME	APPLICATIONS
B	3 In	0.1<t<45s(In≤32A)	Only for resistive loads such as: -electrical heating -water heater -stoves
	5 In	0.1<t<90s(In>32A) t<0.1s	
C	5 In	0.1<t<15s(In≤32A)	Usual loads such as: -lighting -socket outlets -small motors
	10 In	0.1<t<30s(In>32A) t<0.1s	
D	10 In	0.1<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)

● **IEC60947-2 STANDARD**



● **Magnetic release**

- An electromagnet with plunger ensures instantaneous tripping in case of short circuit.
- The standard leaves the calibration of magnetic release to manufacturers decision.
- LWBX offers instantaneous tripping ranges
- release B: 4In
- release C: 8In
- release D: 12In

● **Thermal release**

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

TEST CURRENT	TRIPPING TIME
1.05 In	t≥1h (In≤63A)
1.30 In	t<1h (In≤63A)

● **ACCESSORIES IS INTRODUCED**



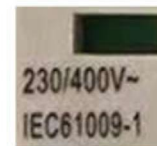
Rated Current:

6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A; C is the action curve; Band limited current protection



Breaking Capacity:

6000A



Rated voltage:

AC 230/400V DC 250V/500V; The indicator window includes on and off.



Handle:

Fast closing function can be selected according to customer's requirements.



Accessory:

Assembly type buckle. There are attachments such as MV SD OF MN MV ADN MN.



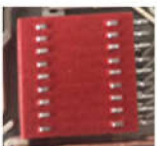
Raw Material:

Toyo Dongli high temperature PPS material, ensure temperature resistance and no deformation.



Structure:

Same structure as C65N type and same dimension as C45N.



Arc-chutes:

0.7*9



Booklet:

Production instructions.



Contact:

Alloy contact with high breaking capacity



Terminal Frame:

Normal terminal frame and the wiring area is 25mm squared.

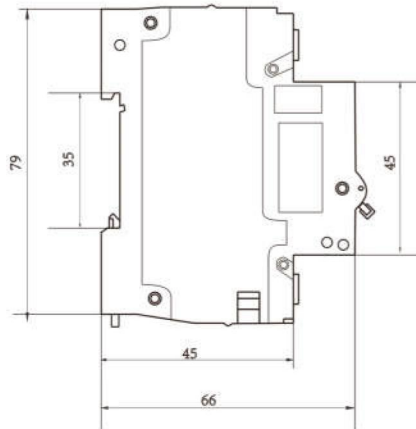
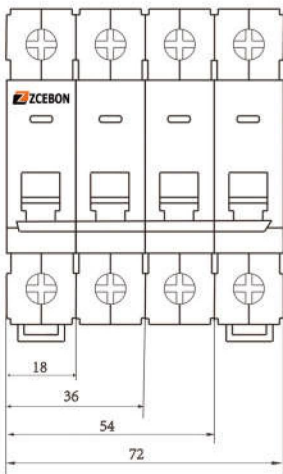







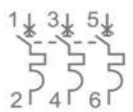


Packing info.:

12Pole each inner box;180Pole each outer carton box

● Outline dimensions

UNIT IN MM



IEC60898 6KA	NO.of poles	Rated current In(A)	Curve B Type	Curve C Type	Curve D Type
	<p>1</p> 	6	LWBX-B 6-1	LWBX-C 6-1	LWBX-D 6-1
		10	LWBX-B 10-1	LWBX-C 10-1	LWBX-D 10-1
		16	LWBX-B 16-1	LWBX-C 16-1	LWBX-D 16-1
		20	LWBX-B 20-1	LWBX-C 20-1	LWBX-D 20-1
		25	LWBX-B 25-1	LWBX-C 25-1	LWBX-D 25-1
		32	LWBX-B 32-1	LWBX-C 32-1	LWBX-D 32-1
		40	LWBX-B 40-1	LWBX-C 40-1	LWBX-D 40-1
		50	LWBX-B 50-1	LWBX-C 50-1	LWBX-D 50-1
	<p>2</p> 	6	LWBX-B 6-2	LWBX-C 6-2	LWBX-D 6-2
		10	LWBX-B 10-2	LWBX-C 10-2	LWBX-D 10-2
		16	LWBX-B 16-2	LWBX-C 16-2	LWBX-D 16-2
		20	LWBX-B 20-2	LWBX-C 20-2	LWBX-D 20-2
		25	LWBX-B 25-2	LWBX-C 25-2	LWBX-D 25-2
		32	LWBX-B 32-2	LWBX-C 32-2	LWBX-D 32-2
		40	LWBX-B 40-2	LWBX-C 40-2	LWBX-D 40-2
		50	LWBX-B 50-2	LWBX-C 50-2	LWBX-D 50-2
	<p>3</p> 	6	LWBX-B 6-3	LWBX-C 6-3	LWBX-D 6-3
		10	LWBX-B 10-3	LWBX-C 10-3	LWBX-D 10-3
		16	LWBX-B 16-3	LWBX-C 16-3	LWBX-D 16-3
		20	LWBX-B 20-3	LWBX-C 20-3	LWBX-D 20-3
		25	LWBX-B 25-3	LWBX-C 25-3	LWBX-D 25-3
		32	LWBX-B 32-3	LWBX-C 32-3	LWBX-D 32-3
		40	LWBX-B 40-3	LWBX-C 40-3	LWBX-D 40-3
		50	LWBX-B 50-3	LWBX-C 50-3	LWBX-D 50-3
	<p>4</p> 	6	LWBX-B 6-4	LWBX-C 6-4	LWBX-D 6-4
		10	LWBX-B 10-4	LWBX-C 10-4	LWBX-D 10-4
		16	LWBX-B 16-4	LWBX-C 16-4	LWBX-D 16-4
		20	LWBX-B 20-4	LWBX-C 20-4	LWBX-D 20-4
		25	LWBX-B 25-4	LWBX-C 25-4	LWBX-D 25-4
		32	LWBX-B 32-4	LWBX-C 32-4	LWBX-D 32-4
		40	LWBX-B 40-4	LWBX-C 40-4	LWBX-D 40-4
		50	LWBX-B 50-4	LWBX-C 50-4	LWBX-D 50-4
63	LWBX-B 63-4	LWBX-C 63-4	LWBX-D 63-4		



FEATURES:

1. The handle of MCB is 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. Energy limiting class of circuit breaker switch: 3
5. The emission of ionized gases is limited to the severest restrictions: 45 mm grid distance.
6. This MCB breaker for household in accordance with IEC60898 - B,C and D tripping characteristics.
7. This MCB circuit breakers for industry in accordance with IEC60947-2 instantaneous tripping characteristics with release B: 4In, release C: 8In, release D: 12In
8. This MCB mini circuit breakers may be extended with:
 - A wide range of RCDs
 - Full sets of additional components
 - Full sets of accessories

Functions:

- Overload protection
- Short circuit protection
- Isolation
- Controlling

Used in residential building, non-residential building, industry, energy infrastructure

Technical specifications

Standard: IEC60898-1, IEC60947-2

Approvals: CE

Rated current In(A): 6,10,16,20,25,32,40,50,63

Rated voltage Un: AC 230/400V DC 250V/500V

Rated frequency (Hz): 50/60

Number of poles: 1,2,3,4

Tripping characteristic: B,C,D

Characteristic curve B (In): 3 - 5

Characteristic curve C (In): 5 -10

Characteristic curve D (In): 10 -20

Rated switching capacity Icn (A): 10000

Degree of protection: IP20, with connected conductors

Electrical life(times): 6,000

Mechanical life(times): 15,000

Breaking capacity: 10 KA

Fire resistance according to UL 94: V0

Mounting position: any

Cross-sections of wire (mm²) : 25

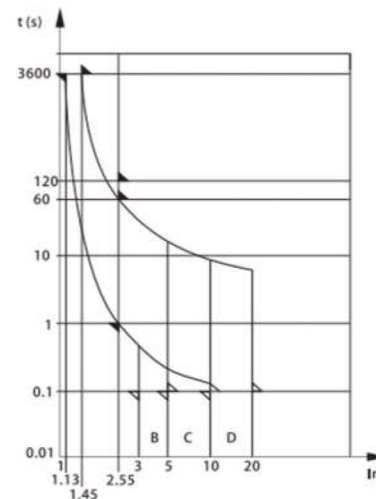
Terminal tightening torque (N.M) : 2.5

Working environment temperature(°C) : -40~ +50,max 95% humidity

Altitude (meters) : Max 2000

TRIPPING CHARACTERISTIC CURVES

● **IEC60898-1 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

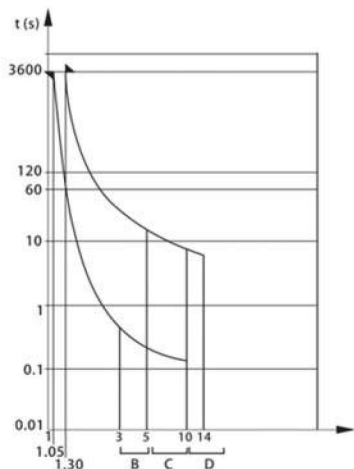
	TEST CURRENT	TRIPPING TIME	APPLICATIONS
B	3 In	0.1<t<45s(In≤32A) 0.1<t<90s(In>32A) t<0.1s	Only for resistive loads such as: -electrical heating -water heater -stoves
	5 In		
C	5 In	0.1<t<15s(In≤32A) 0.1<t<30s(In>32A) t<0.1s	Usual loads such as: -lighting -socket outlets -small motors
	10 In		
D	10 In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

● **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)

● **IEC60947-2 STANDARD**



● **Magnetic release**

- An electromagnet with plunger ensures instantaneous tripping in case of short circuit.
- The standard leaves the calibration of magnetic release to manufacturer's decision.
- LWB6 offers instantaneous tripping ranges
- release B: 4In
- release C: 8In
- release D: 12In

● **Thermal release**

- The release is initiated by a bimetal strip in case of overload
- The standard defines the range of release for two specific overload values
- Reference ambient temperature is 30°C for LWB6

TEST CURRENT	TRIPPING TIME
1.05 In	t≥1h (In≤63A)
1.30 In	t<1h (In≤63A)

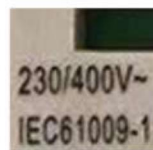
● **ACCESSORIES IS INTRODUCED**



Rated current:
6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A; C is the action curve with limited current protection



Breaking capacity:
10000A



Rated voltage:
AC 230/400V DC 250V/500V;
The indicator window includes on and off.



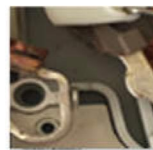
Mechanism:
Fast closing mechanism to avoid arc pulling.



Accessory:
Assembly type buckle. There are attachments such as MV SD OF MN MV ADN MN.



Accessory:
Free-to-move buckle, easy to install and disassemble multipoles Breaker.



Contact:
DADUKE company AgC4 contact



Raw Material:
High temperature resistant PPS material produced in Japan ensures no deformation.



Arc-chutes:

0.8*12



Structure:

Same structure as Schneider C65N type



Booklet:

Production instructions.



Assemble method:

Can be installed in the front and back distribution box



Terminal Frame:

Error-preventing terminal frame and the wiring area is 25mm squared.

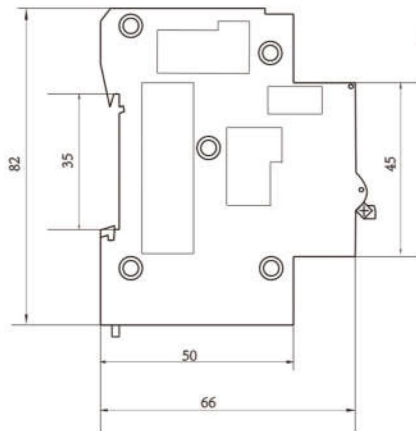
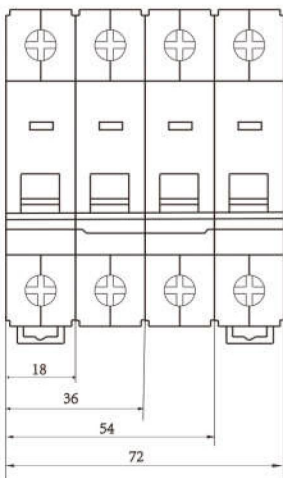







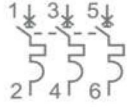


Packing info.:

12Pole each inner box;
180Pole each outer carton box

● Outline dimensions

UNIT IN MM



IEC60898 10KA	NO.of poles	Rated current In(A)	Curve B Type	Curve C Type	Curve D Type
	1 	6	LWB6-B 6-1	LWB6-C 6-1	LWB6-D 6-1
		10	LWB6-B 10-1	LWB6-C 10-1	LWB6-D 10-1
		16	LWB6-B 16-1	LWB6-C 16-1	LWB6-D 16-1
		20	LWB6-B 20-1	LWB6-C 20-1	LWB6-D 20-1
		25	LWB6-B 25-1	LWB6-C 25-1	LWB6-D 25-1
		32	LWB6-B 32-1	LWB6-C 32-1	LWB6-D 32-1
		40	LWB6-B 40-1	LWB6-C 40-1	LWB6-D 40-1
		50	LWB6-B 50-1	LWB6-C 50-1	LWB6-D 50-1
	2 	6	LWB6-B 6-2	LWB6-C 6-2	LWB6-D 6-2
		10	LWB6-B 10-2	LWB6-C 10-2	LWB6-D 10-2
		16	LWB6-B 16-2	LWB6-C 16-2	LWB6-D 16-2
		20	LWB6-B 20-2	LWB6-C 20-2	LWB6-D 20-2
		25	LWB6-B 25-2	LWB6-C 25-2	LWB6-D 25-2
		32	LWB6-B 32-2	LWB6-C 32-2	LWB6-D 32-2
		40	LWB6-B 40-2	LWB6-C 40-2	LWB6-D 40-2
		50	LWB6-B 50-2	LWB6-C 50-2	LWB6-D 50-2
	3 	6	LWB6-B 6-3	LWB6-C 6-3	LWB6-D 6-3
		10	LWB6-B 10-3	LWB6-C 10-3	LWB6-D 10-3
		16	LWB6-B 16-3	LWB6-C 16-3	LWB6-D 16-3
		20	LWB6-B 20-3	LWB6-C 20-3	LWB6-D 20-3
		25	LWB6-B 25-3	LWB6-C 25-3	LWB6-D 25-3
		32	LWB6-B 32-3	LWB6-C 32-3	LWB6-D 32-3
		40	LWB6-B 40-3	LWB6-C 40-3	LWB6-D 40-3
		50	LWB6-B 50-3	LWB6-C 50-3	LWB6-D 50-3
	4 	6	LWB6-B 6-4	LWB6-C 6-4	LWB6-D 6-4
		10	LWB6-B 10-4	LWB6-C 10-4	LWB6-D 10-4
		16	LWB6-B 16-4	LWB6-C 16-4	LWB6-D 16-4
		20	LWB6-B 20-4	LWB6-C 20-4	LWB6-D 20-4
		25	LWB6-B 25-4	LWB6-C 25-4	LWB6-D 25-4
		32	LWB6-B 32-4	LWB6-C 32-4	LWB6-D 32-4
		40	LWB6-B 40-4	LWB6-C 40-4	LWB6-D 40-4
		50	LWB6-B 50-4	LWB6-C 50-4	LWB6-D 50-4
63	LWB6-B 63-4	LWB6-C 63-4	LWB6-D 63-4		



ADVANTAGES

1. LWL1 RCCB is a reliable noise-immune electronic mechanical protective cut-out device that is capable, in contrast to RCCB of type AC,A,S, to ensure a universal protection against electric shock in case of accidental unintentional contact with a conductor and against leakage currents.
2. Good electric wear resistance: at least 4000 switching operations.
3. Rated conditional short-circuit current is 6000 A.
4. Wide range of rated currents (16, 25, 32, 40, 63, 80, 100A) and rated tripping differential currents (30, 100, 300mA).
5. Quick installation using the latch with double locking.
6. Soldered-on material with silver on the contacts.
7. Notches on the terminal clamps reduce the heat loss and increase mechanical strength of the connection.
8. The load can be connected to either upper or lower terminals.
9. Wide range of working voltages for operation monitoring device (230 to 400V).

Functions

Standard: IEC61008-1

Approvals: CE

Type (wave form of the earth leakage sensed) : AC,A

Trip time type: general use,selectivity of S

Number of poles (P): 2,4

Rated current In(A): 16,25,32,40,63,80,100

Rated voltage Ue (V) : 230/400

Storage temperature(C°) : -40 ~ +75

Altitude Max(meters) : 2,000

Rated insulation voltage U_i (V) : 500

Rated frequency F_n (Hz) : 50/60

Rated residual currents ($I_{\Delta n}$)(mA): 10(2P 16A),30,100,300

Rated conditional short-circuit current: $I_{nc}=I_{\Delta c}=6000A$ SCPD fuse 100A Gg

Making and breaking capacity I_m (A): 1000

Rated residual breaking capacity $I_{\Delta m}$ (A): 1000

Rated impulse withstand voltage (1.2/50) U_{imp} (kV): 8

Dielectric test voltage at ind.freq.for 1 min.(kV): 2.5

Electrical life(time): 10,000

Mechanical life(time): 20,000

Degree of protection : IP20,with connected conductors

Mounting position: Any

Conductor cross-sections

Solid and stranded with end sleeve(mm²): 0.75 - 25

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

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

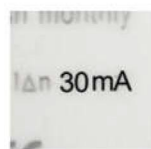
● FEATURES



The rated current is the value of current in amperes (A), which the differential machine is capable of passing through indefinitely without disconnecting the circuit.

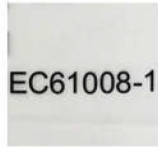


The rated voltage is the AC voltage (~ sign) at which the differential machine operates under normal conditions.



Differential current is the current in milliamperes (mA) flowing through the body of a person who has touched a live part and is standing on a conductive floor. To protect against damage, devices with settings of 10, 30 and 100 mA are used. 300 mA devices are used for fire protection or as two-stage selective protection.

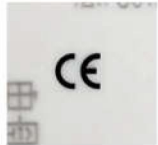
● FEATURES



LWL1 series RCCB was made stick to IEC61008-1



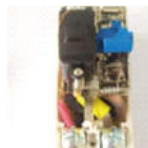
The terminal of the device has been marked to avoid errors in testing process.



The products have passed the CE certification test and are in line with the European standards for the usage of electrics.



Dual-time interconnection between bus bar and conductor greatly expands the scope of possible circuit solution.



No power consumption, operability is maintained when neutral conductor is broken.

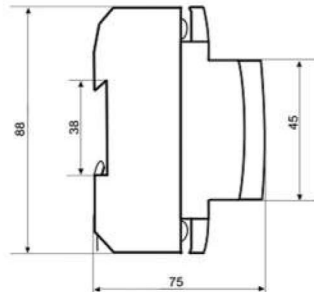
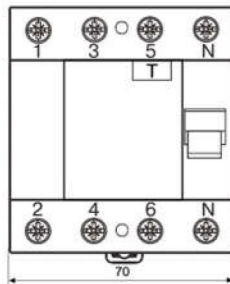


Slices on Mach contact groove prevent wire from overheating and melting due to large contact area.



Screw seals connecting the housing to avoid unauthorized disassembly.

● OVERALL DIMENSIONS



Number of poles	Rated residual current In(A)	Rated Current In(A)	Type AC	Type A	Type s	
2P	10	16	LWL1-C16/10-2	LWL1-A16/10-2	LWL1-S16/10-2	
		30	16	LWL1-C16/30-2	LWL1-A16/30-2	LWL1-S16/30-2
			25	LWL1-C25/30-2	LWL1-A25/30-2	LWL1-S25/30-2
			32	LWL1-C40/30-2	LWL1-A40/30-2	LWL1-S40/30-2
			63	LWL1-C63/30-2	LWL1-A63/30-2	LWL1-S63/30-2
			80	LWL1-C80/30-2	LWL1-A80/30-2	LWL1-S80/30-2
	100		LWL1-C100/30-2	LWL1-A100/30-2	LWL1-S100/30-2	
	100	16	LWL1-C16/100-2	LWL1-A16/100-2	LWL1-S16/100-2	
		25	LWL1-C25/100-2	LWL1-A25/100-2	LWL1-S25/100-2	
		32	LWL1-C40/100-2	LWL1-A40/100-2	LWL1-S40/100-2	
		63	LWL1-C63/100-2	LWL1-A63/100-2	LWL1-S63/100-2	
		80	LWL1-C80/100-2	LWL1-A80/100-2	LWL1-S80/100-2	
		100	LWL1-C100/100-2	LWL1-A100/100-2	LWL1-S100/100-2	
	300	16	LWL1-C16/300-2	LWL1-A16/300-2	LWL1-S16/300-2	
		25	LWL1-C25/300-2	LWL1-A25/300-2	LWL1-S25/300-2	
		32	LWL1-C40/300-2	LWL1-A40/300-2	LWL1-S40/300-2	
		63	LWL1-C63/300-2	LWL1-A63/300-2	LWL1-S63/300-2	
		80	LWL1-C80/300-2	LWL1-A80/300-2	LWL1-S80/300-2	
100		LWL1-C100/300-2	LWL1-A100/300-2	LWL1-S100/300-2		
4P	30	16	LWL1-C16/30-4	LWL1-A16/30-4	LWL1-S16/30-4	
		25	LWL1-C25/30-4	LWL1-A25/30-4	LWL1-S25/30-4	
		32	LWL1-C40/30-4	LWL1-A40/30-4	LWL1-S40/30-4	
		63	LWL1-C63/30-4	LWL1-A63/30-4	LWL1-S63/30-4	
		80	LWL1-C80/30-4	LWL1-A80/30-4	LWL1-S80/30-4	
		100	LWL1-C100/30-4	LWL1-A100/30-4	LWL1-S100/30-4	
	100	16	LWL1-C16/100-4	LWL1-A16/100-4	LWL1-S16/100-4	
		25	LWL1-C25/100-4	LWL1-A25/100-4	LWL1-S25/100-4	
		32	LWL1-C40/100-4	LWL1-A40/100-4	LWL1-S40/100-4	
		63	LWL1-C63/100-4	LWL1-A63/100-4	LWL1-S63/100-4	
		80	LWL1-C80/100-4	LWL1-A80/100-4	LWL1-S80/100-4	
		100	LWL1-C100/100-4	LWL1-A100/100-4	LWL1-S100/100-4	
	300	16	LWL1-C16/300-4	LWL1-A16/300-4	LWL1-S16/300-4	
		25	LWL1-C25/300-4	LWL1-A25/300-4	LWL1-S25/300-4	
		32	LWL1-C40/300-4	LWL1-A40/300-4	LWL1-S40/300-4	
		63	LWL1-C63/300-4	LWL1-A63/300-4	LWL1-S63/300-4	
		80	LWL1-C80/300-4	LWL1-A80/300-4	LWL1-S80/300-4	
		100	LWL1-C100/300-4	LWL1-A100/300-4	LWL1-S100/300-4	



FEATURES:

1. Electronic Type, voltage dependent. for customer's option
2. Assembly on side with MCBs LWBX series

Functions:

1. Assembly on side with LWBX
2. Protection against the effects of sinusoidal alternating earth fault currents
3. Protection against indirect contacts and additional protection against direct contacts

Technical specifications

Standard: IEC 61009-1

Approvals: CE

Type (wave form of the earth leakage sensed): AC, A

Number of poles: 1P+N, 3P+N

Rated current I_n(A): 40 63

Rated voltage U_n (VAC): 230/400V

Rated insulation voltage U_i (VAC): 500

Rated frequency F_n (Hz): 50/60

Rated residual currents (mA): I_t-, n= 10 30 50 100 300

Rated breaking capacity (I_{cn}): I_{cn} of the associated MCB

Rated residual breaking capacity I_m: I_{cn} of the associated MCB

- Electrical life(times):** 6000
- Mechanical life(times):** 15,000
- Degree of protection:** IP20, with connected conductors
- 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
- Type:** Electronic Type

● ACCESSORIES IS INTRODUCED



TEST button:
TEST button to check the device operability and correct



Reset button :
Indicator of tripping caused by differential current – “Reset” button




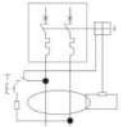

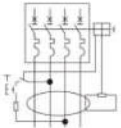
Inner design:
Due to use of smaller size differential assembly, space in a cabinet is saved



Contact position indicator



Connection:
Connection by wire and the PIN bar

LWBXL	NO. of poles	Rated residual current $I_{\Delta n}$ (mA)	Rated current $I_{\Delta n}$ (A)	Type code
		30	40	LWBXL-C40-30-2
		100		LWBXL-C40-100-2
		300		LWBXL-C40-300-2
		30	63	LWBXL-C63-30-2
		100		LWBXL-C63-100-2
		300		LWBXL-C63-300-2
		30	40	LWBXL-C40-30-4
		100		LWBXL-C40-100-4
		300		LWBXL-C40-300-4
		30	63	LWBXL-C63-30-4
		100		LWBXL-C63-100-4
		300		LWBXL-C63-300-4

TYPES

Both RCCBs and RCBOs are divided into types depending on the operating function:

Type AC :For which tripping is ensured for residual sinusoidal alternating currents, whether suddenly applied or slowly rising.

Type A : For which tripping is ensured for residual sinusoidal alternating currents and residual pulsating currents,whether suddenly applied or slowly rising

TRIPPING SENSITIVITY DATA

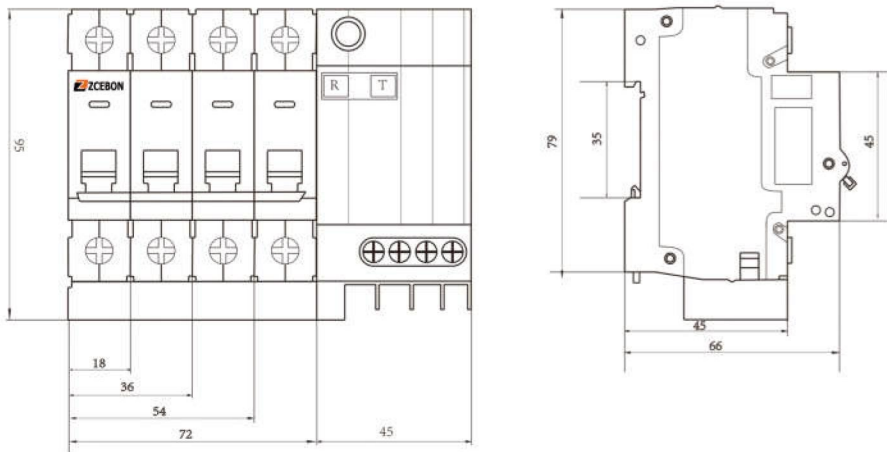
RCD with a rated residual current of maximum 30 mA are used for personnel, material and fire protection, as well as for protection against direct contact.

RCD with a rated residual current of 100mA co-ordinated with the earth system according to the formula $I_{\Delta n} < 50/R$, to provide protection again indirect contacts

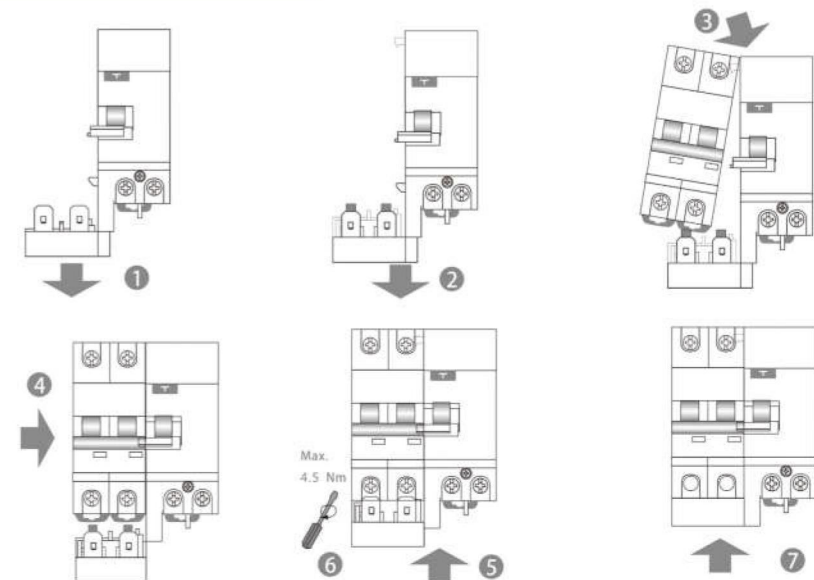
RCD with a rated residual current of maximum 300 mA are used as preventative fire protection in case of insulation faults

OUT LINE AND INSTALLATION DIMENSIONS

UNIT IN MM



ASSEMBLY DIAGRAM





FEATURES:

1. Electromagnetic type, voltage independent.
 2. The handle being sealable or equipped with padlock bracket avoids dangerous operation changes (ON/OFF)
- The handle provides a clear indication of the contact position
 - Adequate printing of all data on the front provides long-term identification

Functions:

1. Used in residential building, non-residential building, energy sources, industry and infrastructure, with function of switching, isolation and controlling.
2. Protection against the effects of sinusoidal alternating earth fault currents
3. Protection against indirect contacts and additional protection against direct contacts
4. Protection against fire hazard caused by insulation faults

Technical specifications

Standard: IEC 61008-1

Approvals: CE

Type (wave form of the earth leakage sensed): AC, A, S

Number of poles: 2,4

Rated current In(A): 16 25 40 63 80 100

Rated voltage Un (VAC): 230/400V

Rated insulation voltage Ui (VAC): 500

Rated frequency Fn (Hz): 50/60

Rated residual currents (mA): It-, n= 10 30 50 100 300

Rated breaking capacity (Icn): Icn of the associated MCB

Rated residual breaking capacity Im: Icn of the associated MCB

Electrical life(times): 6000

Mechanical life(times): 15,000

Degree of protection: IP20, with connected conductors

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

Type: Electromagnetic type

● **ACCESSORIES IS INTRODUCED**



TEST button:

TEST button to check the device operability and correct connections.



Connection:

Simultaneous connection by FORK bar and flexible conductor is possible for power supply distribution via upper terminals, as well as connection by PIN bar.



Inner design:

Electromechanical design, without use of electronic components. No power consumption, operability is maintained when neutral conductor is broken.



Notched terminal clamps:

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



Arc suppression chambers:

Arc suppression chambers for each pole ensure more efficient suppression of electric arc.

TYPES

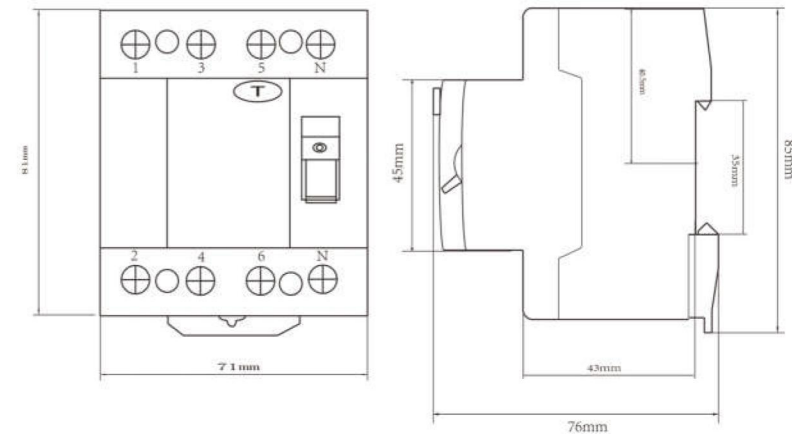
- Both RCCBs and RCBOs are further divided into types depending on the operating function:
1. Type AC ~: For which tripping is ensured for residual sinusoidal alternating currents, whether suddenly applied or slowly rising.
 2. Type A ~: For which tripping is ensured for residual sinusoidal alternating currents and residual pulsating direct currents, whether suddenly applied or slowly rising
 3. Type S ~: For selectivity, with time-relay.


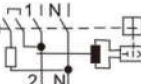

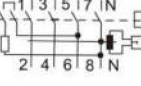
TRIPPING SENSITIVITY DATA

1. RCD with a rated residual current of maximum 30 mA are used for personnel, material and fire protection, as well as for protection against direct contact.
2. RCD with a rated residual current of maximum 300 mA are used as preventative fire protection in case of insulation faults
3. RCD with a rated residual current of 100mA co-ordinated with the earth system according to the formula $I\Delta n < 50/R$, to provide protection against indirect contacts
4. RCD with a rated residual current of 10 mA are primarily used in areas that represent an increased risk for personnel

OUT LINE AND INSTALLATION DIMENSIONS

UNIT IN MM



NO. of poles	Rated residual current $I\Delta n$ (mA)	Rated current I_n (A)	Type code AC	Type code A	Type code S	
 	10	16	LWL6-C16/10-2	LWL6-A16/10-2	LWL6-S16/10-2	
		30	16	LWL6-C16/30-2	LWL6-A16/30-2	LWL6-S16/30-2
			25	LWL6-C25/30-2	LWL6-A25/30-2	LWL6-S25/30-2
			40	LWL6-C40/30-2	LWL6-A40/30-2	LWL6-S40/30-2
			63	LWL6-C60/30-2	LWL6-A60/30-2	LWL6-S60/30-2
			80	LWL6-C80/30-2	LWL6-A80/30-2	LWL6-S80/30-2
	100		LWL6-C100/30-2	LWL6-A100/30-2	LWL6-S100/30-2	
	100	16	LWL6-C16/100-2	LWL6-A16/100-2	LWL6-S16/100-2	
		25	LWL6-C25/100-2	LWL6-A25/100-2	LWL6-S25/100-2	
		40	LWL6-C40/100-2	LWL6-A40/100-2	LWL6-S40/100-2	
		63	LWL6-C60/100-2	LWL6-A60/100-2	LWL6-S60/100-2	
		80	LWL6-C80/100-2	LWL6-A80/100-2	LWL6-S80/100-2	
		100	LWL6-C100/100-2	LWL6-A100/100-2	LWL6-S100/100-2	
	300	16	LWL6-C16/300-2	LWL6-A16/300-2	LWL6-S16/300-2	
		25	LWL6-C25/300-2	LWL6-A25/300-2	LWL6-S25/300-2	
		40	LWL6-C40/300-2	LWL6-A40/300-2	LWL6-S40/300-2	
		63	LWL6-C60/300-2	LWL6-A60/300-2	LWL6-S60/300-2	
		80	LWL6-C80/300-2	LWL6-A80/300-2	LWL6-S80/300-2	
100		LWL6-C100/300-2	LWL6-A100/300-2	LWL6-S100/300-2		
 	30	16	LWL6-C16/30-4	LWL6-A16/30-4	LWL6-S16/30-4	
		25	LWL6-C25/30-4	LWL6-A25/30-4	LWL6-S25/30-4	
		40	LWL6-C40/30-4	LWL6-A40/30-4	LWL6-S40/30-4	
		63	LWL6-C60/30-4	LWL6-A60/30-4	LWL6-S60/30-4	
		80	LWL6-C80/30-4	LWL6-A80/30-4	LWL6-S80/30-4	
		100	LWL6-C100/30-4	LWL6-A100/30-4	LWL6-S100/30-4	
	100	16	LWL6-C16/100-4	LWL6-A16/100-4	LWL6-S16/100-4	
		25	LWL6-C25/100-4	LWL6-A25/100-4	LWL6-S25/100-4	
		40	LWL6-C40/100-4	LWL6-A40/100-4	LWL6-S40/100-4	
		63	LWL6-C60/100-4	LWL6-A60/100-4	LWL6-S60/100-4	
		80	LWL6-C80/100-4	LWL6-A80/100-4	LWL6-S80/100-4	
		100	LWL6-C100/100-4	LWL6-A100/100-4	LWL6-S100/100-4	
	300	16	LWL6-C16/300-4	LWL6-A16/300-4	LWL6-S16/300-4	
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		80	LWL6-C80/300-4	LWL6-A80/300-4	LWL6-S80/300-4	
		100	LWL6-C100/300-4	LWL6-A100/300-4	LWL6-S100/300-4	

● LWB6

LWB6 MV+MN

Over-voltage and under-voltage release



Application: LWB6

Rated voltage: 230V Variation $U_{vo}=270V+5\%$ $U_{oe}=160V$

Function: Protection of the load in the event of a voltage variation of its rated value

LWB6 MX+OF

Shunt release and auxiliary contact



Application: LWB6

Function: Remote opening of the device when a voltage is applied

LWB6 OF

Auxiliary contact



Application: LWB6

Rated current(A): 6

Function: Indication of the position of the device's contacts

LWB6 SD

Auxiliary alarm



Application: LWB6

Rated current(A): 6

Function: Signaling of status making or breaking of MCB and RCD through alarm

● LWBX

LWBX MN

Over-voltage and under-voltage release



Application: LWBX

Rated voltage: 230V Variation $U_{vo}=270V+5\%$ $U_{oe}=160V$

Function: Protection of the load in the event of a voltage variation of its rated value

LWBX MX+OF

Shunt release and auxiliary contact



Application: LWBX

Function: Remote opening of the device when a voltage is applied

LWBX OF

Auxiliary contact



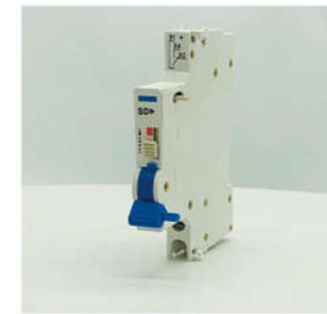
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Auxiliary alarm



Application: LWBX

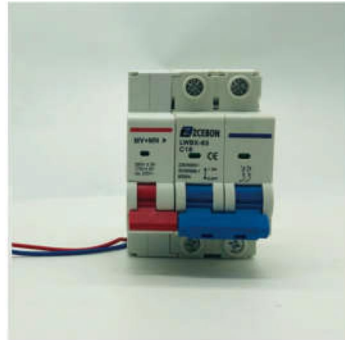
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