

CHAC

Smart Circuit-Breaker PRODUCT CATALOG



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LINKEDIN

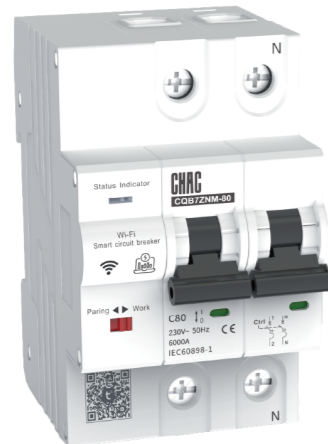


WEBSITE

V2026.04-CHAC-MKT

CQB7ZNM-80

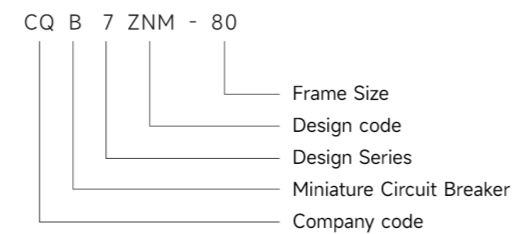
Miniature Circuit Breaker



Product Features

- Smart Remote Control**
 Mobile control via Smart Life/Tuya Smart App for remote circuit management
- Precision Power Monitoring**
 0.5S class metering accuracy for real-time voltage, current, and power monitoring
- Multi-Protection Function**
 8 safety protections including overload, short-circuit, leakage, over/under voltage, and over-temperature
- Intelligent Timing Setting**
 Daily/weekly/monthly timer settings for automated power management

Type designation



Technical Specifications

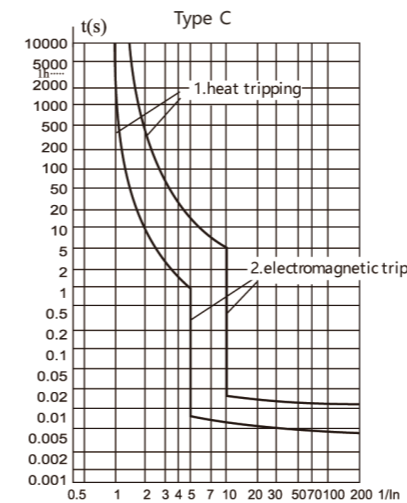
Parameter	
Number of poles	1P+N
Communication mode	Wi-Fi
Degree of protection (IP)	IP20
Application for mobile devices	Smart Life/Tuya Smart
Rated. current In	32A/ 40A/63A/ 80A
Types of RCD	AC type
Tripping characteristic	C
Frequency	50 Hz
Rated. voltage	1P+N: 230 /240V
Complies with standard	IEC 61009-1, IEC 60898-1
Rated short circuit breaking capacity Icn	6 kA
Mechanical service life	10000 Times
Electrical service life	6000 Times
Dimension	1P+N (L*H*W:90*72*53 mm)

Tripping characteristics (Reference temp.30°C)

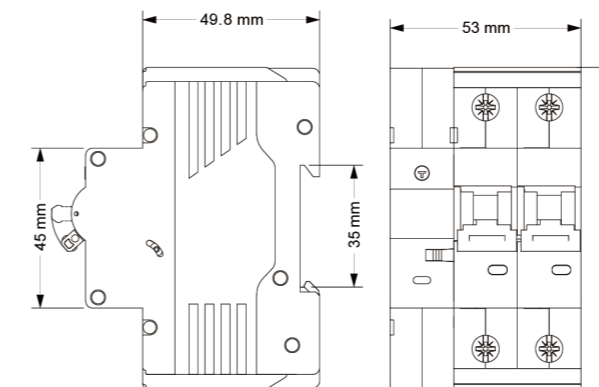
Item	Test current In(A)	Initial Status	Time limit for tripping or non-tripping	Expected result	Remarks
a	1.13In	Cold	$t \leq 1h$ ($I_n \leq 63A$) $t \leq 2h$ ($I_n > 63A$)	Non-tripping	
b	1.45In	Following item a test	$t < 1h$ ($I_n \leq 63A$) $t < 2h$ ($I_n > 63A$)	Tripping	Current smoothly rises to specified value within 5s
c	2.55In	Cold	$1s < t < 120s$	Tripping	
d	5In	Cold	$t \leq 0.1s$	Non-tripping	Switch on the power supply by closing the auxiliary switch
e	10In	Cold	$t < 0.1s$	Tripping	Switch on the power supply by closing the auxiliary switch

Note: The term "cold" means that the test is carried out at a reference calibration temperature without load before the test.

Tripping curves



Dimensions(mm)



Ordering Specification

Please specify the following when ordering:

- Product Model: CQB7ZNM-80
- Number of Poles: 1P+N
- Rated Current: [e.g.: 32A]
 - Available Currents: 32A, 40A, 63A, 80A
- Quantity: [e.g.: 100 pcs]

Ordering Example:

CQB7ZNM-80 1P+N Wi-Fi 32A AC type 100 pcs

CQB71R-100

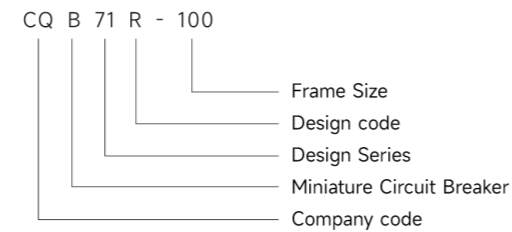
External Circuit-Breaker For Electricity Meters



Product Features

- Designed for electricity meters
- Enables remote automatic control
- High breaking capacity
- Overload & short circuit protection

Type designation



Technical Specifications

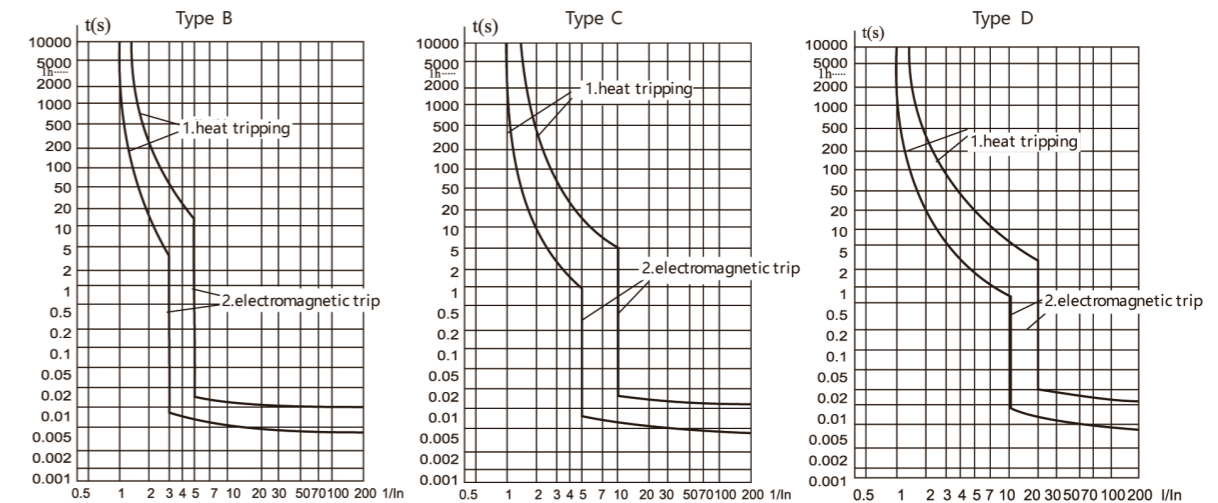
Parameter	
Rated voltage (V)	230V
Rated current (A)	40, 63, 80, 100
Rated impulse withstand voltage Uimp(V)	6000V
Rated frequency	50Hz / 60Hz
Polar number	1P+N
Rated short-circuit capacity Icn(A)	6kA
Operating short-circuit capacity Ics(A)	6kA
Mechanical and electrical life (times)	Mechanical life ≥ 10,000, electrical life ≥ 6,000
Instantaneous tripping type	B, C, D
Tightening torque (N·m)	2.5
Automatic closing time (tc)	t ≤ 3s
Automatic opening time (td)	t ≤ 2s
Pollution level	Level 2
Protection grade	IP20
Installation category	III
Meet the standards	IEC60898-1, GB/T 10963-1
Certification	CCC

Tripping characteristics (Reference temperature 30°C)

Item	Tripping Curve	Test current I _n (A)	Initial Status	Time limit for tripping or non-tripping	Expected result	Remarks
a	B, C, D	1.13I _n	Cold	t ≤ 1h	Non-tripping	Current smoothly rises to specified value within 5s
b	B, C, D	1.45I _n	Following item a test	t < 1h	Tripping	
c	B, C, D	2.55I _n	Cold	1s < t < 60s (I _n ≤ 32A) 1s < t < 120s (I _n > 32A)	Tripping	
d	B	3I _n	Cold	t ≤ 0.1s	Non-tripping	Switch on the power supply by closing the auxiliary switch
	C	5I _n				
	D	10I _n				
e	B	5I _n	Cold	t < 0.1s	Tripping	Switch on the power supply by closing the auxiliary switch
	C	10I _n				
	D	20I _n				

Note: The term "cold" means that the test is carried out at a reference calibration temperature without load before the test.

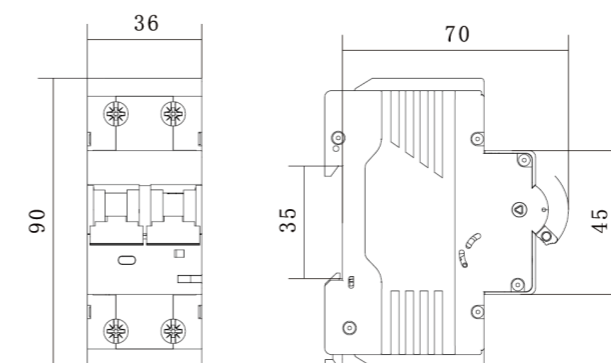
Tripping curves



Conductor requirements and cross section

Copper cross-section(mm ²)	Rated current I _n (A)
10	32 < I _n ≤ 50
16	50 < I _n ≤ 63
25	63 < I _n ≤ 80
35	80 < I _n ≤ 100
50	100 < I _n ≤ 125

Dimensions(mm)



Ordering Specification

Please specify the following when ordering:

- 1.Product Model: CQB71R-100
- 2.Number of Poles: 1P+N
- 3.Rated Current & Tripping Curve: [e.g.: C/63A]
 - Tripping Curve: B, C, D
 - Rated Current: 40A, 63A, 80A, 100A
- 4.Quantity: [e.g.: 100 pcs]

Ordering Example:

CQB71R-100 1P+N C/63A 100 pcs

CQB7R-125

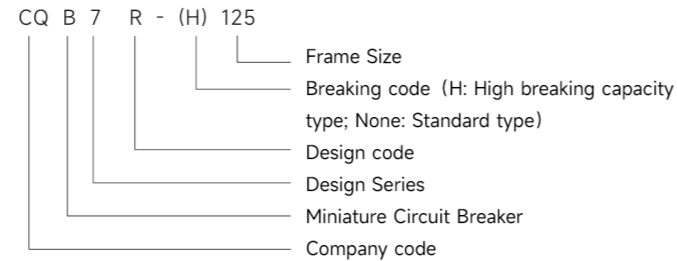
Prepayment Meter External Circuit Breaker



Product Features

- Intelligent automatic control
- Designed for prepayment meters
- Automatic tripping and closing
- Overload & short circuit protection

Type designation



Technical Specifications

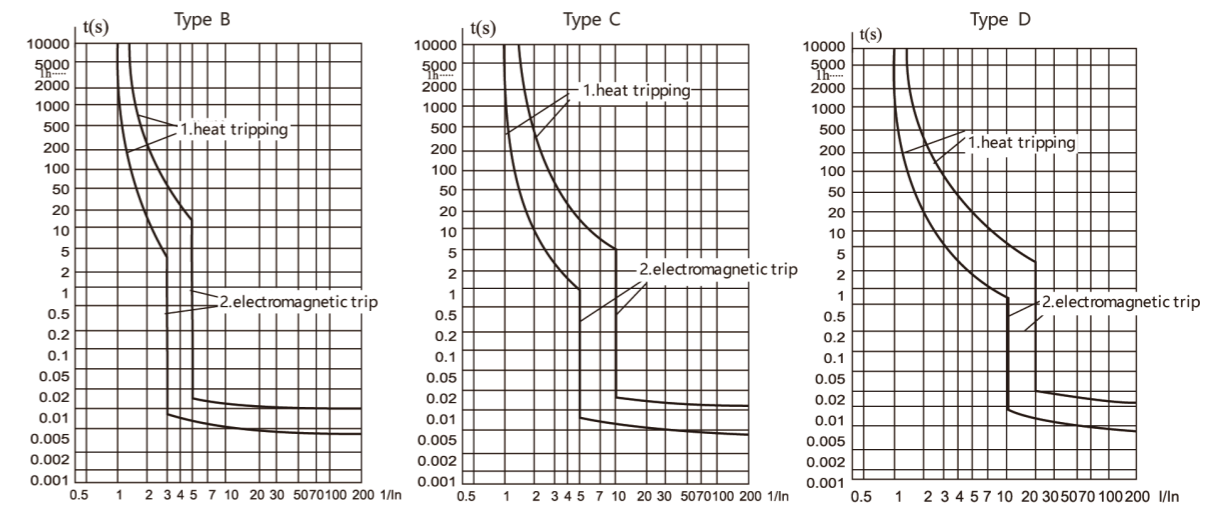
Parameter	
Rated voltage (V)	30V~(2P), 400V~ (4P)
Rated current (A)	40, 50, 63, 80, 100, 125
Rated impulse withstand voltage Uimp(V)	6000V
Rated frequency	50Hz / 60Hz
Polar number	2P, 4P
Rated short-circuit capacity Icn(A)	6kA, 10kA (high breaking score)
Operating short-circuit capacity Ics(A)	6kA, 7.5kA (high break type)
Mechanical and electrical life (times)	Mechanical life ≥ 10,000, electrical life ≥ 6,000
Instantaneous tripping type	B, C, D
Tightening torque (N·m)	3.5
Automatic closing time (tc)	t ≤ 3s
Automatic opening time (td)	t ≤ 2s
Pollution level	Level 2
Protection grade	IP20
Installation category	III
Meet the standards	IEC60898-1, GB10963-1
Certification	CCC

Tripping characteristics (Reference temperature 30°C)

Item	Tripping Curve	Test current In(A)	Initial Status	Time limit for tripping or non-tripping	Expected result	Remarks
a	B, C, D	1.13In	Cold	t ≤ 1h	Non-tripping	Current smoothly rises to specified value within 5s
b	B, C, D	1.45In	Following item a test	t < 1h	Tripping	
c	B, C, D	2.55In	Cold	1s < t < 60s (In ≤ 32A) 1s < t < 120s (In > 32A)	Tripping	
d	B	3In	Cold	t ≤ 0.1s	Non-tripping	Switch on the power supply by closing the auxiliary switch
	C	5In				
	D	10In				
e	B	5In	Cold	t < 0.1s	Tripping	Switch on the power supply by closing the auxiliary switch
	C	10In				
	D	20In				

Note: The term "cold" means that the test is carried out at a reference calibration temperature without load before the test.

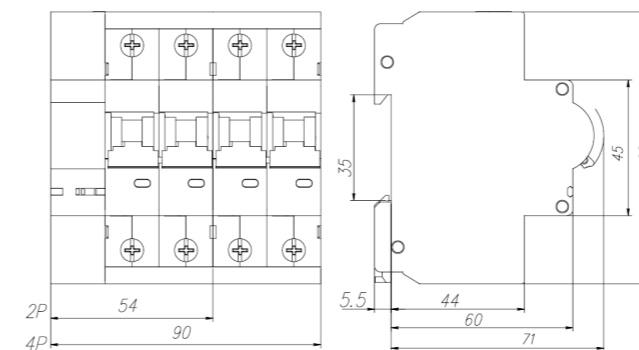
Tripping curves



Conductor requirements and cross section

Copper cross-section(mm ²)	Rated current In(A)
10	32 < In ≤ 50
16	50 < In ≤ 63
25	63 < In ≤ 80
35	80 < In ≤ 100
50	100 < In ≤ 125

Dimensions(mm)



Ordering Specification

Please specify the following when ordering:

- 1.Product Model: CQB7R-125
- 2.Number of Poles: 2P, 4P
- 3.Rated Current & Tripping Curve: [e.g.: C/100A]
 - Tripping Curve: B, C, D
 - Rated Current: 40A, 50A, 63A, 80A, 100A, 125A

4.Quantity: [e.g.: 100 pcs]

Ordering Example:

CQB7R-125 2P C/100A 100 pcs

CQB9ZN-125

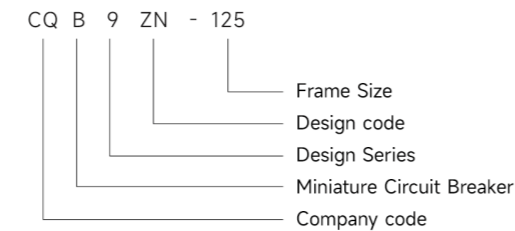
Miniature Circuit Breaker



Product Features

- Flexible Control Modes**
 Supports manual, automatic, local, and remote operation for smart system integration.
- High-Precision Monitoring**
 Features Class 0.5 measurement for accurate, real-time electrical data.
- High Mechanical Endurance**
 Rated for 10,000 reliable operations.

Type designation



Technical Specifications

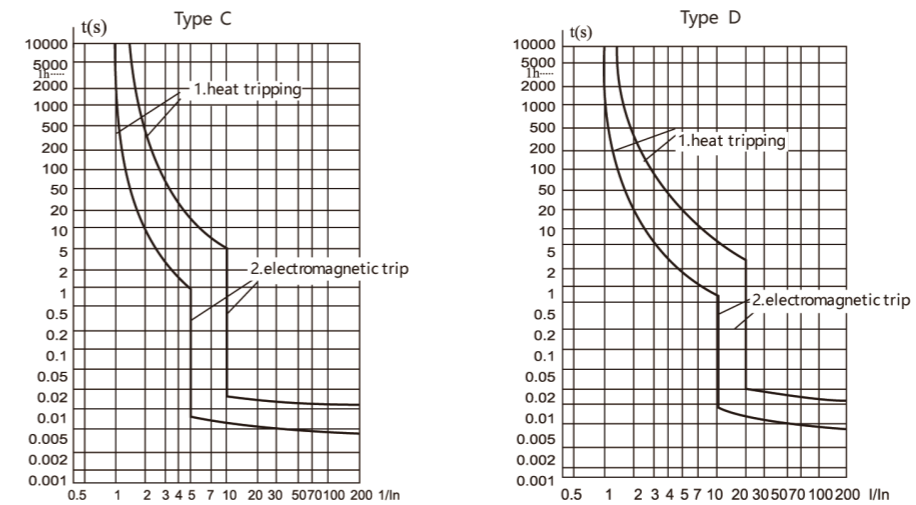
Parameter	
Number of poles	1P, 2P, 3P, 4P
Rated Operational Voltage (Ue)	1P, 2P: AC 220/230/240 V 3P, 4P: AC 380/400/415 V
Rated Current (In)	6, 10, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125 A
Rated Frequency	50 Hz / 60 Hz
Rated Short-Circuit Capacity (Icn)	6 kA
Service Short-Circuit Capacity (Ics)	6 kA
Operating Modes	Manual, Automatic, Local, Remote, Locked
Mechanical Endurance	10,000 operations
Electrical Endurance	Utilization Category A: 6,000 operations Utilization Category B: 10,000 operations
Measurement Accuracy	Voltage, Current, Power: Class 0.5
Standards	GB/T 10963.1, NB/T 42149

Tripping characteristics (Reference temp.30°C)

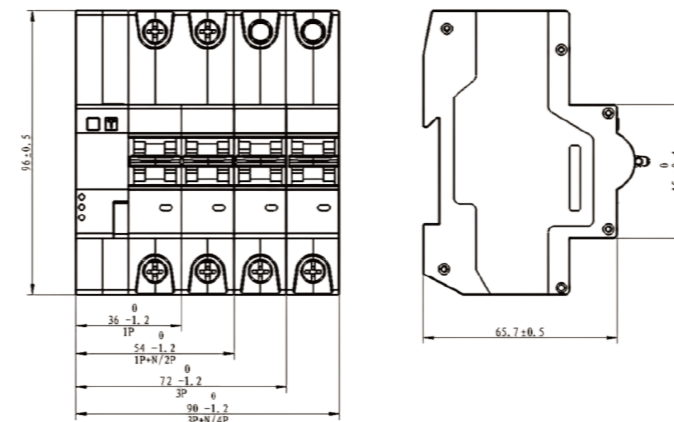
Item	Test current In(A)	Initial Status	Time limit for tripping or non-tripping	Expected result	Remarks
a	1.13In	Cold	t ≤ 1h (In ≤ 63A) t ≤ 2h (In > 63A)	Non-tripping	
b	1.45In	Following item a test	t < 1h (In ≤ 63A) t < 2h (In > 63A)	Tripping	Current smoothly rises to specified value within 5s
c	2.55In	Cold	1s < t < 120s	Tripping	
d	5In	Cold	t ≤ 0.1s	Non-tripping	Switch on the power supply by closing the auxiliary switch
e	10In	Cold	t < 0.1s	Tripping	Switch on the power supply by closing the auxiliary switch

Note: The term "cold" means that the test is carried out at a reference calibration temperature without load before the test.

Tripping curves



Dimensions(mm)



Ordering Specification

Please specify the following when ordering:

- Product Model: CQB9ZN-125
 - Number of Poles: 1P, 2P, 3P, 4P
 - Rated Current: [e.g.: 32A]
 • Available Currents: 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A
 - Quantity: [e.g.: 100 pcs]
- Ordering Example:
CQB9ZN-125 1P 32A 100 pcs

CQB9LZN-125

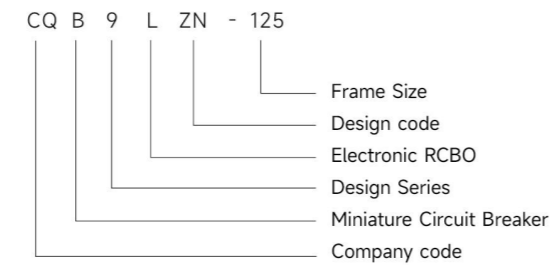
Residual Current Circuit-Breaker with Overcurrent Protection



Product Features

- Integrated Protection**
 Combines overload, short-circuit, and configurable earth leakage (trip or alarm-only) protection.
- Accurate Leakage Monitoring**
 Provides Class 0.5 precision for both residual current and electrical parameter measurement.
- Compliant & Reliable**
 Meets GB/T 16917.1 and CQC1149 standards with 10,000-operation durability.

Type designation



Technical Specifications

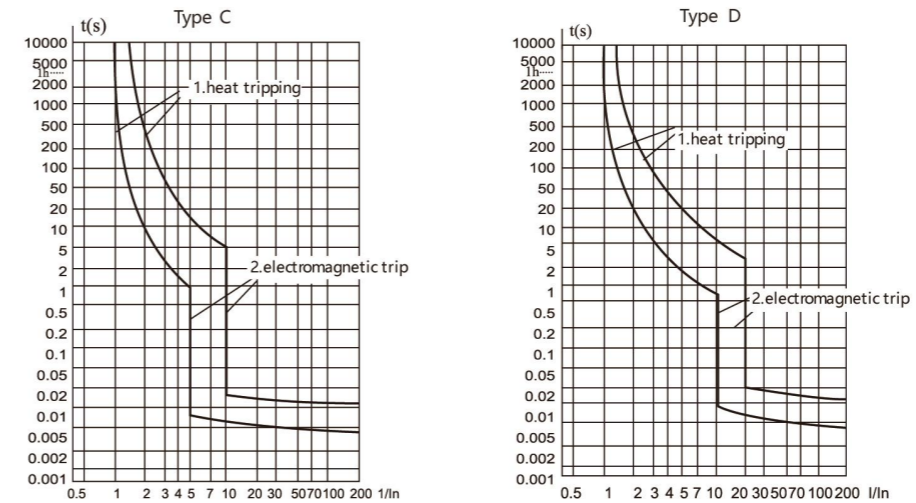
Parameter	
Number of poles	1P+N, 2P, 3P+N, 4P
Rated Operational Voltage (Ue)	1P+N, 2P: AC 220/230/240 V 3P+N, 4P: AC 380/400/415 V
Rated Current (In)	6, 10, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125 A
Rated Frequency	50 Hz / 60 Hz
Rated Short-Circuit Capacity (Icn)	6 kA
Service Short-Circuit Capacity (Ics)	6 kA
Operating Modes	Manual, Automatic, Local, Remote, Locked
Mechanical Endurance	10,000 operations
Electrical Endurance	Utilization Category A: 6,000 operations Utilization Category B: 10,000 operations
Measurement Accuracy	Voltage, Current, Power: Class 0.5
Standards	GB/T 16917.1, CQC 1149

Tripping characteristics (Reference temp.30°C)

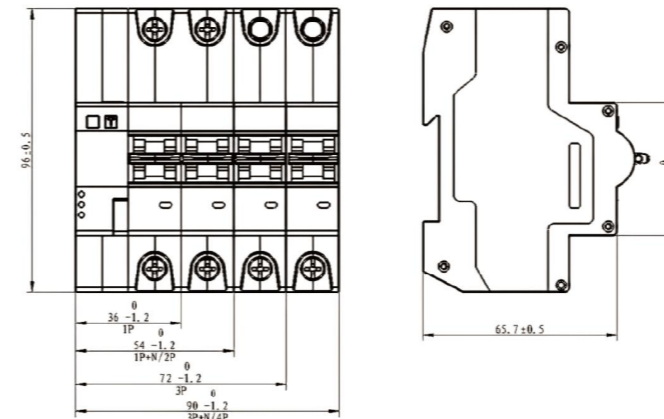
Item	Test current In(A)	Initial Status	Time limit for tripping or non-tripping	Expected result	Remarks
a	1.13In	Cold	t ≤ 1h (In ≤ 63A) t ≤ 2h (In > 63A)	Non-tripping	
b	1.45In	Following item a test	t < 1h (In ≤ 63A) t < 2h (In > 63A)	Tripping	Current smoothly rises to specified value within 5s
c	2.55In	Cold	1s < t < 120s	Tripping	
d	5In	Cold	t ≤ 0.1s	Non-tripping	Switch on the power supply by closing the auxiliary switch
e	10In	Cold	t < 0.1s	Tripping	Switch on the power supply by closing the auxiliary switch

Note: The term "cold" means that the test is carried out at a reference calibration temperature without load before the test.

Tripping curves



Dimensions(mm)



Ordering Specification

Please specify the following when ordering:

- Product Model: CQB9LZN-125
 - Number of Poles: 1P+N, 2P, 3P+N, 4P
 - Rated Current: [e.g.: 32A]
 - Available Currents: 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A
 - Quantity: [e.g.: 100 pcs]
- Ordering Example:
CQB9LZN-125 1P+N 32A 100 pcs

CQGQE

WiFi Din Rail Switch (Tuya APP)



Product Features

- Controla el interruptor desde cualquier lugar con la APP Tuya Smart o mediante comandos de voz (Alexa, Google Assistant).
- Incluye protección contra sobrecorriente, sobretensión/subtensión y fugas para mayor seguridad.
- Programa encendido/apagado automático (diario/semanal) y monitoriza el consumo en tiempo real.
- Recibe nuevas funciones y mejoras automáticamente a través de actualizaciones por aire.

Type designation

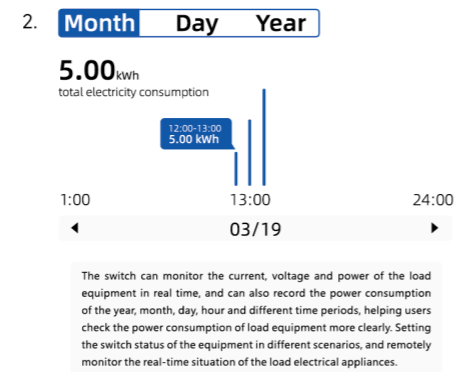


Technical Specifications

Parameter	
Poles description	1P+N(N pole Pass-through)
Rated operating voltage range	90-300V
Control type	Manual,Remote control APP
Protocol	Wifi(Default)
Customization	SigMesh/ZigBee

1.LED Indicator Description

- The LED indicator show a steady blue light to indicate that the switch in ON status.
- The LED indicator show a light off to indicate that the switch in OFF status. (In off grid mode,there is no light in dicating,swich shall carefully operated to keep safety)
- The LED indicator show blue flashing to indicate that switch in parting model.



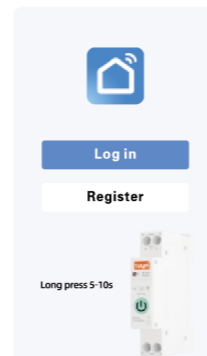
First Step:

Connect the wire from upper of the switch,the live wire connect to the L pole,and the neutral wire connect to the N pole.Please make sure the wiring is correct and with stron WIFI signal.Then scan the APP QR code to download and register.



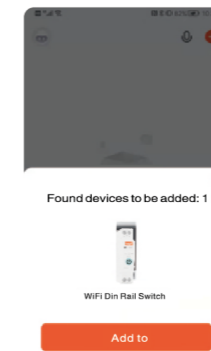
Second Step:

Turn on the Bluetooth and WIFI of the mobile phone,open the APP,and long press the "power"button,wait for about 5-10 seconds,the LED indicator will flash slow light slowly.Then wait in Tuya interface.



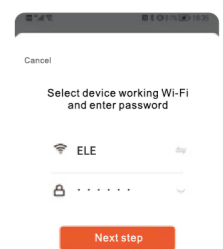
Third Step:

Waiting for a while after Tuya display the APP or click "+" in the upper right corner,and wait to discover devices. Then click "Add"button.



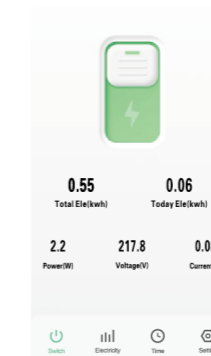
Fourth Step:

Enter wifi account and password and click next step,wait switch to connect to the network.



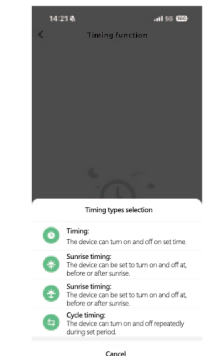
Fifth Step:

After successful connection,the LED indicator will change from blue slow flashing to blue steady light.

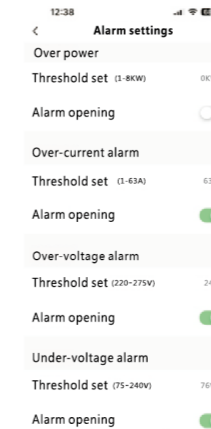


Timing function

Timing types could be selected accordingly.

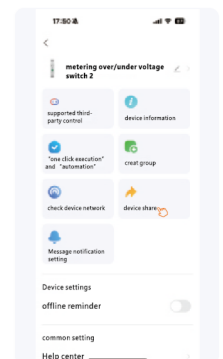
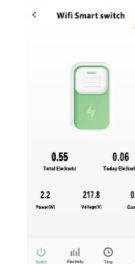


Alarm protection setting(adjustable)



Device share

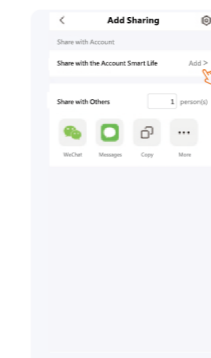
First Step:



Device Sharing

Second Step:

Click on "share with the Account Smart Life" to type the account you want to share.



Download APP

