ZHEJIANG TOT ELECTRIC CO.,LTD.

NO.1 DEXIAN ROAD, CHENGNAN INDUSTRIAL ZONE, LONGYOU COUNTY, QUZHOU CITY, ZHEJIANG PROVINCE, CHINA

TEL：0570-8856111 8856000
FAX：0570-7778888
EMAIL：trade@zjtot.com

www.totelec.com

TOT

TOT ELECTRIC



40000 m²
Enterprise Production and R&D Operating Area

16 Years
Low Voltage Electrical Research and Application Management

>30 Million sets
production capacity

100+ pcs
Invention Patents

500+ people
Enterprise Employees

95+%
automaticity



/// Company Profile

Since its establishment in 2008, Zhejiang TOT Electric Co.,Ltd has taken "making every contact safe and reliable" as its original aspiration. For fifteen years, it has deeply rooted itself in the field of switches and sockets, growing into a modern electrical intelligent manufacturing expert integrating design, R&D, manufacturing, sales, and service. Annual production capacity reaches 30 million sets.

From the multi-hole adaptability for Chinese families to the retro current requirements of European buildings. TOT's R&D team has a profound understanding of electrical standards in more than 20 countries worldwide, with independent mold design and manufacturing capabilities, it has developed a matrix of over 30 product series covering markets in China, Italy, Australia, Europe and beyond.

In the smart factory, TOT builds a quality defense line by Industry 4.0 standards: advanced automated injection molding equipment precisely controls the raw material ratio; twenty automated production lines ensure high-precision processing of components; a professional laboratory team executes 128 rigorous tests, covering extreme environment challenges such as vibration, salt spray, and high-temperature aging. With 17 quality inspection checkpoints and 436 testing indicators, ensure the entire process from raw materials to finished products under control.

TOT measures the height of quality against international standards: it has passed ISO 9001, ISO 14001, and obtained 12 international certifications including CE, ROHS, IMQ, SAA, EAC, KC, etc.

Facing the era of intelligent electricity use, TOT will continue to communicate with the world with its excellent quality, and use smarter technology, better products, and more considerate services to create a safe and convenient electricity experience for global users.

PRODUCTION WORKSHOP



01 Stamping Workshop

This business division focusing on the production of metal parts., which is a key link in the front-end of product manufacturing. It applies high pressure to metal sheets using punch presses and specialized molds to achieve rapid mass production of high-precision, standardized components.Currently, the division is equipped with 15 high-speed punch presses, with an automation rate of 90% and an annual production capacity of over 100 million metal pieces, effectively supporting downstream production needs.



02 INJECTION MOLDING WORKSHOP

As a critical front-end link in product manufacturing, this business division specializes in the production of plastic components for circuit breakers. It operates with equipment capacities ranging from 90T to 200T, complemented by professional mold temperature controllers, automatic crushers, and automated lifting equipment for mold handling.With 20 sets of equipment and an 80% automation rate, the division achieves an annual output of 50 million qualified circuit breaker shells to provide stable and eff cient support for the overall production chain.



03 Spot Welding Workshop

This business division mainly manufactures welded thermal components and magnetic components for MCBs with all production processes utilizing intermediate-frequency servo welders. It is equipped with China's first set of high-power fully automatic welding equipment for MCBs. Deeply engaged in welding process development, the division has independently invented and created a variety of high-power MCB welding methods, which ensure the welding consistency and precision of high-current products. With 35 sets of fully automatic welding equipment, it possesses an annual welding capacity of 50 million units for products including MCB, RCBO, RCCB, and BH items.

04 MCB AUTOMATIC WORKSHOP

It mainly produces Miniature Circuit Breakers.There are 11 automatic production lines and 4 U-shaped lean production lines.At present, the average monthly pro-duction capacity can reach about 5 million poles. Equipped with automatic assembly,laser print-ing, riveting,Deltach test, terminal screw test, thermal calibration, cooling,thermal verification,automatic multi-pole assembly,magnetic test, on-off test and high voltage test, plasma arc cleaning, laser marking, pad printing, din clip fixing,automatic packaging and other equipment,the automation level is over 90%. Through magnetic test, on-off test and high volt-age test, to verify the response speed of the product and ensure that the power supply can be connected or disconnected stably.Adopt double-track automatic production line to improve production efficiency, add automatic tripping force measurement unit, conduct full inspection of products, and comprehensively monitor product quality.





05 RCBO/RCCB DIVISION

This business division mainly manufactures RCBO/RCCB and has the capability to produce 7 types of residual current products. It has a team of multi-functional operational technicians over 85% and enable for flexible on-line production of multiple product models simultaneously. The division has an annual production capacity of 4 million RCBO/RCCB products, with the automation level of testing reaching 95%.



06 COMPREHENSIVE PRODUCTS DIVISION

This business division mainly focuses on manufacturing auxiliary products (including MAX, SD, indicator lights, BH, under/over voltage protectors, and surge protectors). It has 6 production lines and an annual production capacity of 2 million auxiliary products. The production lines are equipped with 15 sets of high-precision testing equipments tailored to different types of products.









07 TESTING CENTRE

The Testing Center is fully capable of testing products such as MCB, RCBO, and RCCB, etc and ensures that products fully comply with IEC and GB/T standards from the R&D phase to the mass production phase. The laboratory is equipped with a range of specialized facilities to cover the testing needs throughout the entire lifecycle of MCBs, including an Electrical Performance Laboratory (for core safety verification), a Mechanical Performance Laboratory, a Physical and Chemical Laboratory, an EMC Laboratory, an Environmental Laboratory, and a Reliability Laboratory,etc.

WORKSHOP PICTURES













INDEX

R10 MCB Series 01-12

R10-63S 01-02
R10-63 03-04
R10-125Y 05-06
R10-125H 07-08
R10-40 09-10
MCB characteristics 11-12

R10 RCCB&RCBO Series 13-28

RL10-100M 13-16
R10LE-40 17-18
R10LE-63K 19-20
R10LE-63Y 21-22
R10LE-63 23-24
R10LE-125H 25-26
RCCB&RCBO characteristics 27-28

R10 ISOLATOR Series 29-30

RH10-125 29-30

R10 INDICATOR Series 31-32

R10-SL 31-32

R10 Series

R10-63S Miniature Circuit Breaker

Product introduction	Rated current(A)	IEC60898-1 B	IEC60898-1 C	IEC60898-1 D	Packing unit
	1	R10-63S/1-B1	R10-63S/1-C1	R10-63S/1-D1	12
	2	R10-63S/1-B2	R10-63S/1-C2	R10-63S/1-D2	
	3	R10-63S/1-B3	R10-63S/1-C3	R10-63S/1-D3	
	4	R10-63S/1-B4	R10-63S/1-C4	R10-63S/1-D4	
	5	R10-63S/1-B5	R10-63S/1-C5	R10-63S/1-D5	
	6	R10-63S/1-B6	R10-63S/1-C6	R10-63S/1-D6	
	10	R10-63S/1-B10	R10-63S/1-C10	R10-63S/1-D10	
	16	R10-63S/1-B16	R10-63S/1-C16	R10-63S/1-D16	
	20	R10-63S/1-B20	R10-63S/1-C20	R10-63S/1-D20	
	25	R10-63S/1-B25	R10-63S/1-C25	R10-63S/1-D25	
	32	R10-63S/1-B32	R10-63S/1-C32	R10-63S/1-D32	
	40	R10-63S/1-B40	R10-63S/1-C40	R10-63S/1-D40	
	50	R10-63S/1-B50	R10-63S/1-C50	R10-63S/1-D50	
	63	R10-63S/1-B63	R10-63S/1-C63	R10-63S/1-D63	
	1	R10-63S/2-B1	R10-63S/2-C1	R10-63S/2-D1	6
	2	R10-63S/2-B2	R10-63S/2-C2	R10-63S/2-D2	
	3	R10-63S/2-B3	R10-63S/2-C3	R10-63S/2-D3	
	4	R10-63S/2-B4	R10-63S/2-C4	R10-63S/2-D4	
	6	R10-63S/2-B5	R10-63S/2-C5	R10-63S/2-D5	
	10	R10-63S/2-B6	R10-63S/2-C6	R10-63S/2-D6	
	13	R10-63S/2-B10	R10-63S/2-C10	R10-63S/2-D10	
	16	R10-63S/2-B16	R10-63S/2-C16	R10-63S/2-D16	
	20	R10-63S/2-B20	R10-63S/2-C20	R10-63S/2-D20	
	25	R10-63S/2-B25	R10-63S/2-C25	R10-63S/2-D25	
	32	R10-63S/2-B32	R10-63S/2-C32	R10-63S/2-D32	
	40	R10-63S/2-B40	R10-63S/2-C40	R10-63S/2-D40	
	50	R10-63S/2-B50	R10-63S/2-C50	R10-63S/2-D50	
	63	R10-63S/2-B63	R10-63S/2-C63	R10-63S/2-D63	
	1	R10-63S/3-B1	R10-63S/3-C1	R10-63S/3-D1	4
	2	R10-63S/3-B2	R10-63S/3-C2	R10-63S/3-D2	
	3	R10-63S/3-B3	R10-63S/3-C3	R10-63S/3-D3	
	4	R10-63S/3-B4	R10-63S/3-C4	R10-63S/3-D4	
	6	R10-63S/3-B5	R10-63S/3-C5	R10-63S/3-D5	
	10	R10-63S/3-B6	R10-63S/3-C6	R10-63S/3-D6	
	13	R10-63S/3-B10	R10-63S/3-C10	R10-63S/3-D10	
	16	R10-63S/3-B16	R10-63S/3-C16	R10-63S/3-D16	
	20	R10-63S/3-B20	R10-63S/3-C20	R10-63S/3-D20	
	25	R10-63S/3-B25	R10-63S/3-C25	R10-63S/3-D25	
	32	R10-63S/3-B32	R10-63S/3-C32	R10-63S/3-D32	
	40	R10-63S/3-B40	R10-63S/3-C40	R10-63S/3-D40	
	50	R10-63S/3-B50	R10-63S/3-C50	R10-63S/3-D50	
	63	R10-63S/3-B63	R10-63S/3-C63	R10-63S/3-D63	
	1	R10-63S/4-B1	R10-63S/4-C1	R10-63S/4-D1	3
	2	R10-63S/4-B2	R10-63S/4-C2	R10-63S/4-D2	
	3	R10-63S/4-B3	R10-63S/4-C3	R10-63S/4-D3	
	4	R10-63S/4-B4	R10-63S/4-C4	R10-63S/4-D4	
	6	R10-63S/4-B5	R10-63S/4-C5	R10-63S/4-D5	
	10	R10-63S/4-B6	R10-63S/4-C6	R10-63S/4-D6	
	13	R10-63S/4-B10	R10-63S/4-C10	R10-63S/4-D10	
	16	R10-63S/4-B16	R10-63S/4-C16	R10-63S/4-D16	
	20	R10-63S/4-B20	R10-63S/4-C20	R10-63S/4-D20	
	25	R10-63S/4-B25	R10-63S/4-C25	R10-63S/4-D25	
	32	R10-63S/4-B32	R10-63S/4-C32	R10-63S/4-D32	
	40	R10-63S/4-B40	R10-63S/4-C40	R10-63S/4-D40	
	50	R10-63S/4-B50	R10-63S/4-C50	R10-63S/4-D50	
	63	R10-63S/4-B63	R10-63S/4-C63	R10-63S/4-D63	

TOT
TOT ELECTRIC

R10-63S Miniature Circuit Breaker

Breaking capacity

Standard	IEC60898-1	
Breaking capacity level	M	H
Icn (KA)	4.5	6
Ics (KA)	4.5	6

Wiring (The suitable conductors should be used for connection,see table below for relative parameters)

Rated current In(A)	Nominal cross section area (mm^2)	Tightening torque(N.m)
1,2,3,4,5,6	1	2.5
10	1.5	
16,20	2.5	
25	4	
32	6	
40	10	
50	16	
63	16	

Features

Rated current (In):1A、2A、3A、4A、5A、6A、10A、16A、20A、25A、32A、40A、50A、63A;

Rated operation voltage Ue: 230V/400V~(1P), 400V~(2P、3P、4P);

Rated insulation voltage Ui: 500V;

Frequency: 50/60Hz;

Thermal magnetic release: B、C、D;

Number of poles: 1P、2P、3P、4P;

Mechanical life: 20000 cycles;

Electrical life: 8000 cycles;

Rated short-circuit breaking capacity(Icn): 4.5kA、6kA;

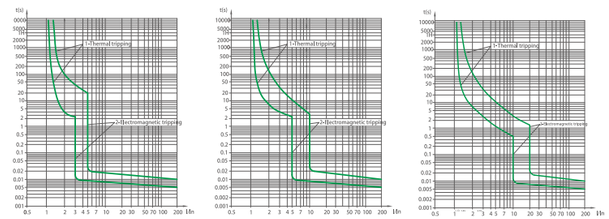
Short-circuit breaking capacity (Ics): 4.5kA、6kA;

Rated impulse withstand voltage (Uimp): 4kV.

certification: CE

Major function: Overload protection, short circuit protection, isolation.

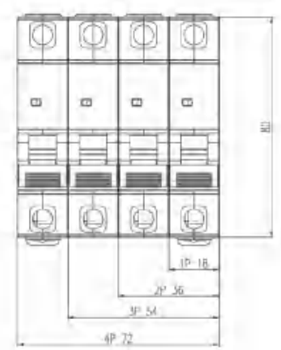
Curves



B type C type D type

Overall and mounting dimensions





R10 Series

R10-63 Miniature Circuit Breaker

Product introduction	Rated current(A)	IEC60898-1 B	IEC60898-1 C	IEC60898-1 D	Packing unit
	1	R10-63/1-B1	R10-63/1-C1	R10-63/1-D1	12
	2	R10-63/1-B2	R10-63/1-C2	R10-63/1-D2	
	3	R10-63/1-B3	R10-63/1-C3	R10-63/1-D3	
	4	R10-63/1-B4	R10-63/1-C4	R10-63/1-D4	
	5	R10-63/1-B5	R10-63/1-C5	R10-63/1-D5	
	6	R10-63/1-B6	R10-63/1-C6	R10-63/1-D6	
	10	R10-63/1-B10	R10-63/1-C10	R10-63/1-D10	
	16	R10-63/1-B16	R10-63/1-C16	R10-63/1-D16	
	20	R10-63/1-B20	R10-63/1-C20	R10-63/1-D20	
	25	R10-63/1-B25	R10-63/1-C25	R10-63/1-D25	
	32	R10-63/1-B32	R10-63/1-C32	R10-63/1-D32	
	40	R10-63/1-B40	R10-63/1-C40	R10-63/1-D40	
	50	R10-63/1-B50	R10-63/1-C50	R10-63/1-D50	
	63	R10-63/1-B63	R10-63/1-C63	R10-63/1-D63	
	1	R10-63/2-B1	R10-63/2-C1	R10-63/2-D1	6
	2	R10-63/2-B2	R10-63/2-C2	R10-63/2-D2	
	3	R10-63/2-B3	R10-63/2-C3	R10-63/2-D3	
	4	R10-63/2-B4	R10-63/2-C4	R10-63/2-D4	
	6	R10-63/2-B5	R10-63/2-C5	R10-63/2-D5	
	10	R10-63/2-B6	R10-63/2-C6	R10-63/2-D6	
	13	R10-63/2-B10	R10-63/2-C10	R10-63/2-D10	
	16	R10-63/2-B16	R10-63/2-C16	R10-63/2-D16	
	20	R10-63/2-B20	R10-63/2-C20	R10-63/2-D20	
	25	R10-63/2-B25	R10-63/2-C25	R10-63/2-D25	
	32	R10-63/2-B32	R10-63/2-C32	R10-63/2-D32	
	40	R10-63/2-B40	R10-63/2-C40	R10-63/2-D40	
	50	R10-63/2-B50	R10-63/2-C50	R10-63/2-D50	
	63	R10-63/2-B63	R10-63/2-C63	R10-63/2-D63	
	1	R10-63/3-B1	R10-63/3-C1	R10-63/3-D1	4
	2	R10-63/3-B2	R10-63/3-C2	R10-63/3-D2	
	3	R10-63/3-B3	R10-63/3-C3	R10-63/3-D3	
	4	R10-63/3-B4	R10-63/3-C4	R10-63/3-D4	
	6	R10-63/3-B5	R10-63/3-C5	R10-63/3-D5	
	10	R10-63/3-B6	R10-63/3-C6	R10-63/3-D6	
	13	R10-63/3-B10	R10-63/3-C10	R10-63/3-D10	
	16	R10-63/3-B16	R10-63/3-C16	R10-63/3-D16	
	20	R10-63/3-B20	R10-63/3-C20	R10-63/3-D20	
	25	R10-63/3-B25	R10-63/3-C25	R10-63/3-D25	
	32	R10-63/3-B32	R10-63/3-C32	R10-63/3-D32	
	40	R10-63/3-B40	R10-63/3-C40	R10-63/3-D40	
	50	R10-63/3-B50	R10-63/3-C50	R10-63/3-D50	
	63	R10-63/3-B63	R10-63/3-C63	R10-63/3-D63	
	1	R10-63/4-B1	R10-63/4-C1	R10-63/4-D1	3
	2	R10-63/4-B2	R10-63/4-C2	R10-63/4-D2	
	3	R10-63/4-B3	R10-63/4-C3	R10-63/4-D3	
	4	R10-63/4-B4	R10-63/4-C4	R10-63/4-D4	
	6	R10-63/4-B5	R10-63/4-C5	R10-63/4-D5	
	10	R10-63/4-B6	R10-63/4-C6	R10-63/4-D6	
	13	R10-63/4-B10	R10-63/4-C10	R10-63/4-D10	
	16	R10-63/4-B16	R10-63/4-C16	R10-63/4-D16	
	20	R10-63/4-B20	R10-63/4-C20	R10-63/4-D20	
	25	R10-63/4-B25	R10-63/4-C25	R10-63/4-D25	
	32	R10-63/4-B32	R10-63/4-C32	R10-63/4-D32	
	40	R10-63/4-B40	R10-63/4-C40	R10-63/4-D40	
	50	R10-63/4-B50	R10-63/4-C50	R10-63/4-D50	
	63	R10-63/4-B63	R10-63/4-C63	R10-63/4-D63	

TOT
TOT ELECTRIC

R10-63 Miniature Circuit Breaker

Breaking capacity

Standard	IEC60898-1	
Breaking capacity level	M	H
Icn (KA)	6	10
Ics (KA)	6	7.5

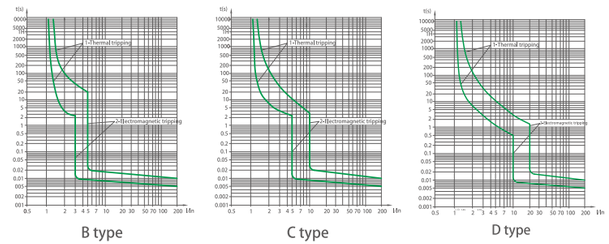
Wiring (The suitable conductors should be used for connection,see table below for relative parameters)

Rated current In(A)	Nominal cross section area (mm^2)	Tightening torque(N.m)
1,2,3,4,5,6	1	2.5
10	1.5	
16,20	2.5	
25	4	
32	6	
40	10	
50	16	
63	16	

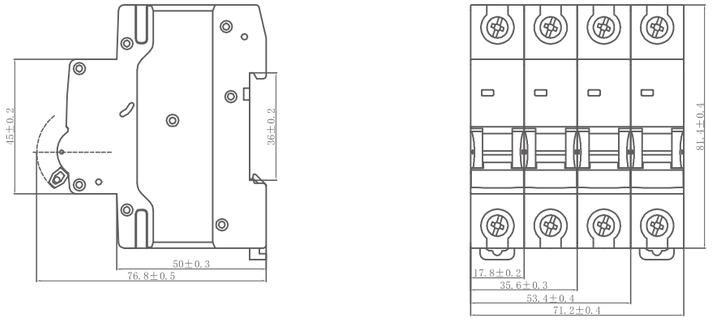
Features

Rated current (In):1A、2A、3A、4A、5A、6A、10A、16A、20A、25A、32A、40A、50A、63A;
Rated operation voltage Ue: 230V/400V~(1P), 400V~(2P、3P、4P);
Rated insulation voltage Ui: 500V;
Frequency: 50/60Hz;
Thermal magnetic release: B、C、D;
Number of poles: 1P、2P、3P、4P;
Mechanical life: 20000 cycles;
Electrical life: 4000 cycles;
Rated short-circuit breaking capacity(Icn): 6kA、10kA;
Short-circuit breaking capacity (Ics): 6kA、7.5kA;
Rated impulse withstand voltage (Uimp): 4kV.
Busbar: could with or without busbar.
Certification: CE
Major function: Overload protection, short circuit protection, isolation.

Curves



Overall and mounting dimensions



R10 Series

R10-125Y Miniature Circuit Breaker

Product introduction	Rated current(A)	IEC60898-1 B curve	IEC60898-1 C curve	IEC60898-1 D curve	IEC60947-2	Packing unit
	63	R10-125Y/1-B63	R10-125Y/1-C63	R10-125Y/1-D63	R10-125Y/1-63	12
	80	R10-125Y/1-B80	R10-125Y/1-C80	R10-125Y/1-D80	R10-125Y/1-80	
	100	R10-125Y/1-B100	R10-125Y/1-C100	R10-125Y/1-D100	R10-125Y/1-100	
	125	R10-125Y/1-B125	R10-125Y/1-C125	R10-125Y/1-D125	R10-125Y/1-125	
	63	R10-125Y/2-B63	R10-125Y/2-C63	R10-125Y/2-D63	R10-125Y/2-63	6
	80	R10-125Y/2-B80	R10-125Y/2-C80	R10-125Y/2-D80	R10-125Y/2-80	
	100	R10-125Y/2-B100	R10-125Y/2-C100	R10-125Y/2-D100	R10-125Y/2-100	
	125	R10-125Y/2-B125	R10-125Y/2-C125	R10-125Y/2-D125	R10-125Y/2-125	
	63	R10-125Y/3-B63	R10-125Y/3-C63	R10-125Y/3-D63	R10-125Y/3-63	4
	80	R10-125Y/3-B80	R10-125Y/3-C80	R10-125Y/3-D80	R10-125Y/3-80	
	100	R10-125Y/3-B100	R10-125Y/3-C100	R10-125Y/3-D100	R10-125Y/3-100	
	125	R10-125Y/3-B125	R10-125Y/3-C125	R10-125Y/3-D125	R10-125Y/3-125	
	63	R10-125Y/4-B63	R10-125Y/4-C63	R10-125Y/4-D63	R10-125Y/4-63	3
	80	R10-125Y/4-B80	R10-125Y/4-C80	R10-125Y/4-D80	R10-125Y/4-80	
	100	R10-125Y/4-B100	R10-125Y/4-C100	R10-125Y/4-D100	R10-125Y/4-100	
	125	R10-125Y/4-B125	R10-125Y/4-C125	R10-125Y/4-D125	R10-125Y/4-125	

TOT
TOT ELECTRIC

R10-125Y Miniature Circuit Breaker

Breaking capacity

Standard	IEC60898-1		IEC60947-2	
Breaking capacity level	M	H	M	H
Icn (KA)	6	10	6	10
Ics (KA)	6	7.5	6	7.5

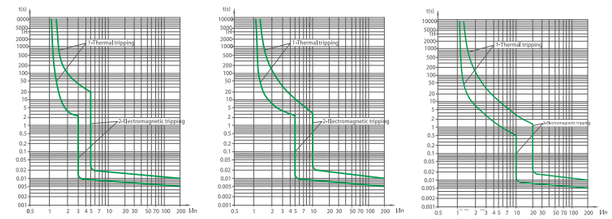
Wiring (The suitable conductors should be used for connection,see table below for relative parameters)

Rated current In(A)	Nominal cross section area (mm^2)	Tightening torque(N.m)
63	16	3.5
80	25	
100	35	
125	50	

Features

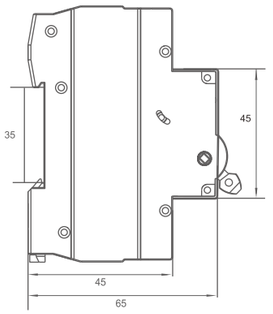
Rated current (In): 63A、80A、100A、125A;
Rated operation voltage Ue: 230V/400V~(1P), 400V~(2P、3P、4P);
Rated insulation voltage Ui: 500V;
Frequency: 50/60Hz;
Thermal magnetic release: B、C、D;
Number of poles: 1P、2P、3P、4P;
Mechanical life: 20000 cycles;
Electrical life: 6000 cycles;
Rated short-circuit breaking capacity(Icn): 6kA、10kA;
Short-circuit breaking capacity (Ics): 6kA、7.5kA;
Rated impulse withstand voltage (Uimp): 4kV.
certification: CE
Major function: Overload protection, short circuit protection, isolation.

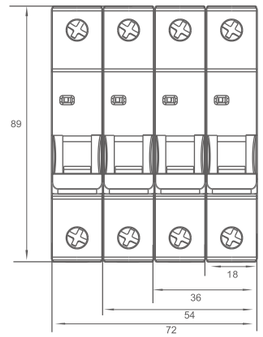
Curves



B type C type D type

Overall and mounting dimensions





R10 Series

R10-125H Miniature Circuit Breaker

Product introduction	Rated current(A)	IEC60898-1 B curve	IEC60898-1 C curve	IEC60898-1 D curve	IEC60947-2	Packing unit
	63	R10-125H/1-B63	R10-125H/1-C63	R10-125H/1-D63	R10-125H/1-63	12
	80	R10-125H/1-B80	R10-125H/1-C80	R10-125H/1-D80	R10-125H/1-80	
	100	R10-125H/1-B100	R10-125H/1-C100	R10-125H/1-D100	R10-125H/1-100	
	125	R10-125H/1-B125	R10-125H/1-C125	R10-125H/1-D125	R10-125H/1-125	
	63	R10-125H/2-B63	R10-125H/2-C63	R10-125H/2-D63	R10-125H/2-63	6
	80	R10-125H/2-B80	R10-125H/2-C80	R10-125H/2-D80	R10-125H/2-80	
	100	R10-125H/2-B100	R10-125H/2-C100	R10-125H/2-D100	R10-125H/2-100	
	125	R10-125H/2-B125	R10-125H/2-C125	R10-125H/2-D125	R10-125H/2-125	
	63	R10-125H/3-B63	R10-125H/3-C63	R10-125H/3-D63	R10-125H/3-63	4
	80	R10-125H/3-B80	R10-125H/3-C80	R10-125H/3-D80	R10-125H/3-80	
	100	R10-125H/3-B100	R10-125H/3-C100	R10-125H/3-D100	R10-125H/3-100	
	125	R10-125H/3-B125	R10-125H/3-C125	R10-125H/3-D125	R10-125H/3-125	
	63	R10-125H/4-B63	R10-125H/4-C63	R10-125H/4-D63	R10-125H/4-63	3
	80	R10-125H/4-B80	R10-125H/4-C80	R10-125H/4-D80	R10-125H/4-80	
	100	R10-125H/4-B100	R10-125H/4-C100	R10-125H/4-D100	R10-125H/4-100	
	125	R10-125H/4-B125	R10-125H/4-C125	R10-125H/4-D125	R10-125H/4-125	

TOT
TOT ELECTRIC

R10-125H Miniature Circuit Breaker

Breaking capacity

Standard	IEC60898-1		IEC60947-2	
Breaking capacity level	M	H	M	H
Icn (KA)	6	10	6	10
Ics (KA)	6	7.5	6	7.5

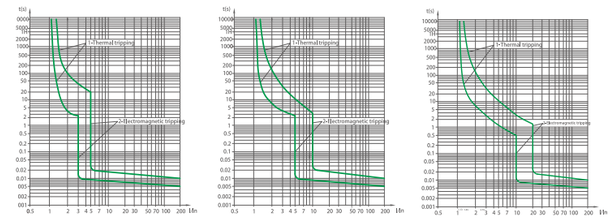
Wiring (The suitable conductors should be used for connection,see table below for relative parameters)

Rated current In(A)	Nominal cross section area (mm^2)	Tightening torque(N.m)
63	16	3.5
80	25	
100	35	
125	50	

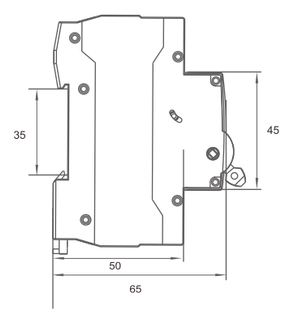
Features

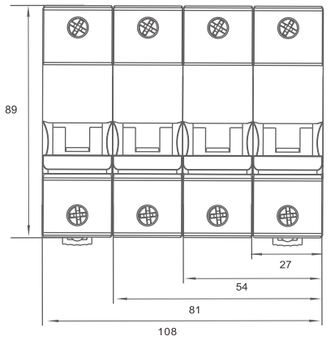
Rated current (In): 63A、80A、100A、125A;
Rated operation voltage Ue: 230V/400V~(1P), 400V~(2P、3P、4P);
Rated insulation voltage Ui: 500V;
Frequency: 50/60Hz;
Thermal magnetic release: B、C、D;
Number of poles: 1P、2P、3P、4P;
Mechanical life: 20000 cycles;
Electrical life: 6000 cycles;
Rated short-circuit breaking capacity(Icn): 6kA、10kA;
Short-circuit breaking capacity (Ics): 6kA、7.5kA;
Rated impulse withstand voltage (Uimp): 4kV.
certification: CE
Major function: Overload protection, short circuit protection, isolation.

Curves



Overall and mounting dimensions





R10 Series

R10-40 Miniature Circuit Breaker

Product introduction	Rated current(A)	B curve	C curve	Packing unit
	6	R10-40M-B6	R10-40M-C6	12
	10	R10-40M-B10	R10-40M-C10	
	16	R10-40M-B16	R10-40M-C16	
	20	R10-40M-B20	R10-40M-C20	
	25	R10-40M-B25	R10-40M-C25	
	32	R10-40M-B32	R10-40M-C32	
	40	R10-40M-B40	R10-40M-C40	
	6	R10-40H-B6	R10-40H-C6	12
	10	R10-40H-B10	R10-40H-C10	
	16	R10-40H-B16	R10-40H-C16	
	20	R10-40H-B20	R10-40H-C20	
	25	R10-40H-B25	R10-40H-C25	
	32	R10-40H-B32	R10-40H-C32	
	40	R10-40H-B40	R10-40H-C40	

TOT
TOT ELECTRIC

R10-40 Miniature Circuit Breaker

Breaking capacity

Standard	IEC60898-1	
Breaking capacity level	M	H
Icn (KA)	4.5	6
Ics (KA)	4.5	6

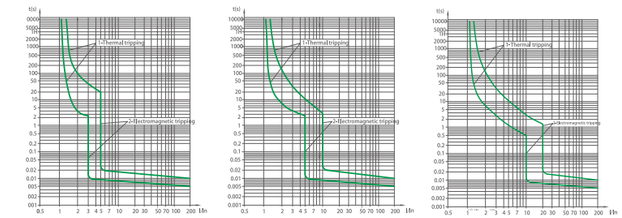
Wiring (The suitable conductors should be used for connection,see table below for relative parameters)

Rated current In(A)	Nominal cross section area (mm^2)	Tightening torque(N.m)
6	1	1.8
10	1.5	
16	2.5	
20	2.5	
25	4	
32	6	
40	10	

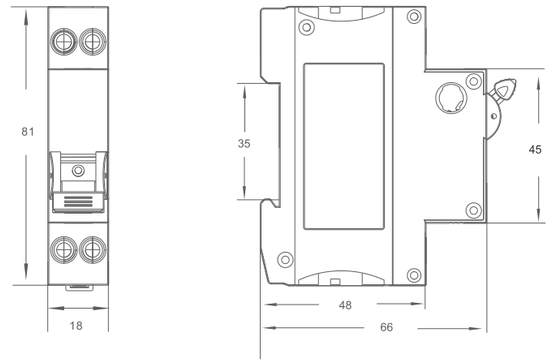
Features

Rated current (In): 6A、10A、16A、20A、25A、32A、40A;
Rated operation voltage Ue: 230V~(1P+N);
Rated insulation voltage Ui: 500V;
Frequency: 50/60Hz;
Thermal magnetic release:B、C、D;
Number of poles: 1P+N;
Mechanical life: 10000 cycles;
Electrical life: 4000 cycles;
Rated short-circuit breaking capacity(Icn): 4.5kA、6kA;
Short-circuit breaking capacity (Ics): 4.5kA、6kA;
Rated impulse withstand voltage (Uimp): 4kV.
certification: CE
Major function: Overload protection, short circuit protection, positive isolation.

Curves



Overall and mounting dimensions



Product characteristics

R10 MCB series

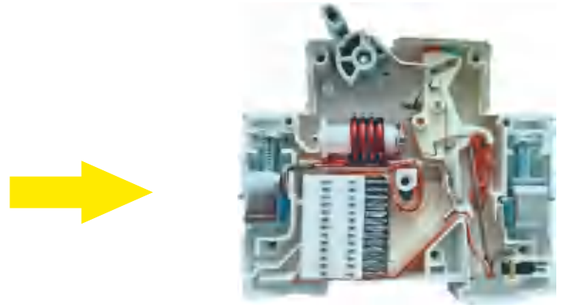


- Rated current up to 125A
- 18mm&27mm size for various use.
- Breaking capacity 4.5kA~10kA
- Patent small body design with high rating.

TOT
TOT ELECTRIC

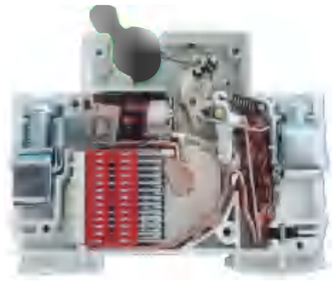
R10 MCB series





newly patent structure ensures
high breaking capacity





newly patent metal mechanism

- metal mechanism more steady
- pressure no decrease in high temperature
- concise parts quick reaction
- soft pushing power 1/6 of common ones

R10 Series

RL10-100M Residual Current circuit breaker

Product introduction	Rated current(A)	I△n	Type AC	Type A	Packing unit
	16	10mA	RL10-100M/2/16/10	RL10-100M/2/16/10-A	12
	25		RL10-100M/2/25/10	RL10-100M/2/25/10-A	
	40		RL10-100M/2/40/10	RL10-100M/2/40/10-A	
	16	30mA	RL10-100M/2/16/30	RL10-100M/2/16/30-A	
	25		RL10-100M/2/25/30	RL10-100M/2/25/30-A	
	40		RL10-100M/2/40/30	RL10-100M/2/40/30-A	
	63		RL10-100M/2/63/30	RL10-100M/2/63/30-A	
	80		RL10-100M/2/80/30	RL10-100M/2/80/30-A	
	100		RL10-100M/2/100/30	RL10-100M/2/100/30-A	
	16	100mA	RL10-100M/2/16/100	RL10-100M/2/16/100-A	
	25		RL10-100M/2/25/100	RL10-100M/2/25/100-A	
	40		RL10-100M/2/40/100	RL10-100M/2/40/100-A	
	63		RL10-100M/2/63/100	RL10-100M/2/63/100-A	
	80		RL10-100M/2/80/100	RL10-100M/2/80/100-A	
	100		RL10-100M/2/100/100	RL10-100M/2/100/100-A	
	16	300mA	RL10-100M/2/16/300	RL10-100M/2/16/300-A	
	25		RL10-100M/2/25/300	RL10-100M/2/25/300-A	
	40		RL10-100M/2/40/300	RL10-100M/2/40/300-A	
	63		RL10-100M/2/63/300	RL10-100M/2/63/300-A	
	80		RL10-100M/2/80/300	RL10-100M/2/80/300-A	
	100		RL10-100M/2/100/300	RL10-100M/2/100/300-A	
	16	500mA	RL10-100M/2/16/500	RL10-100M/2/16/500-A	
	25		RL10-100M/2/25/500	RL10-100M/2/25/500-A	
	40		RL10-100M/2/40/500	RL10-100M/2/40/500-A	
	63		RL10-100M/2/63/500	RL10-100M/2/63/500-A	
	80		RL10-100M/2/80/500	RL10-100M/2/80/500-A	
	100		RL10-100M/2/100/500	RL10-100M/2/100/500-A	

TOT
TOT ELECTRIC

RL10-100M Residual Current circuit breaker

Breaking capacity

Standard	IEC61009-1	
Breaking capacity level	M	H
Inc (KA)	6	10

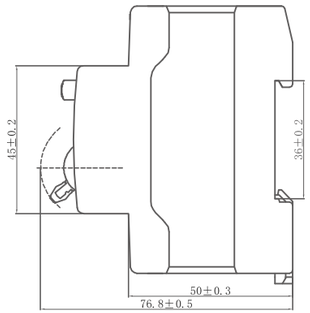
Wiring (The suitable conductors should be used for connection,see table below for relative parameters)

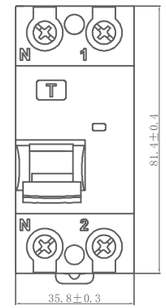
Rated current In(A)	Nominal cross section area (mm^2)	Tightening torque(N.m)
16	2.5	3.5
25	4	
40	10	
63	16	
80	25	
100	35	

Features

Rated current(In): 16A、25A、40A、63A、80A、100A.
Rated operation voltage Ue: 230V~(1P+N);
Rated insulation voltage Ui: 500V;
Frequency: 50/60Hz;
Number of poles: 1P+N;
Mechanical life: 3000 cycles;
Electrical life: 2000 cycles;
Rated short-circuit breaking capacity(Icn): 6kA、10kA;
Rated impulse withstand voltage (Uimp): 4kV.
certification: CE
Major function: residual current operation.

Overall and mounting dimensions





R10 Series

RL10-100M Residual Current circuit breaker

Product introduction	Rated current(A)	I△n	Type AC	Type A	Packing unit
	16	10mA	RL10-100M/4/16/10	RL10-100M/4/16/10-A	12
	25		RL10-100M/4/25/10	RL10-100M/4/25/10-A	
	16	30mA	RL10-100M/4/16/30	RL10-100M/4/16/30-A	
	25		RL10-100M/4/25/30	RL10-100M/4/25/30-A	
	40		RL10-100M/4/40/30	RL10-100M/4/40/30-A	
	63		RL10-100M/4/63/30	RL10-100M/4/63/30-A	
	80		RL10-100M/4/80/30	RL10-100M/4/80/30-A	
	100		RL10-100M/4/100/30	RL10-100M/4/100/30-A	
	16	100mA	RL10-100M/4/16/100	RL10-100M/4/16/100-A	
	25		RL10-100M/4/25/100	RL10-100M/4/25/100-A	
	40		RL10-100M/4/40/100	RL10-100M/4/40/100-A	
	63		RL10-100M/4/63/100	RL10-100M/4/63/100-A	
	80		RL10-100M/4/80/100	RL10-100M/4/80/100-A	
	100		RL10-100M/4/100/100	RL10-100M/4/100/100-A	
	16	300mA	RL10-100M/4/16/300	RL10-100M/4/16/300-A	
	25		RL10-100M/4/25/300	RL10-100M/4/25/300-A	
	40		RL10-100M/4/40/300	RL10-100M/4/40/300-A	
	63		RL10-100M/4/63/300	RL10-100M/4/63/300-A	
	80		RL10-100M/4/80/300	RL10-100M/4/80/300-A	
	100		RL10-100M/4/100/300	RL10-100M/4/100/300-A	
	16	500mA	RL10-100M/4/16/500	RL10-100M/4/16/500-A	
	25		RL10-100M/4/25/500	RL10-100M/4/25/500-A	
	40		RL10-100M/4/40/500	RL10-100M/4/40/500-A	
	63		RL10-100M/4/63/500	RL10-100M/4/63/500-A	
	80		RL10-100M/4/80/500	RL10-100M/4/80/500-A	
	100		RL10-100M/4/100/500	RL10-100M/4/100/500-A	

TOT
TOT ELECTRIC

RL10-100M Residual Current circuit breaker

Breaking capacity

Standard	IEC61009-1	
Breaking capacity level	M	H
Inc (KA)	6	10

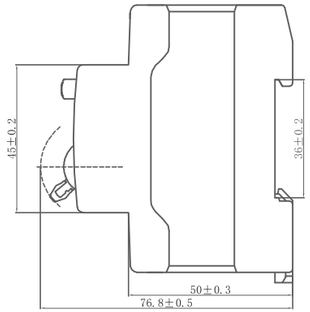
Wiring (The suitable conductors should be used for connection,see table below for relative parameters)

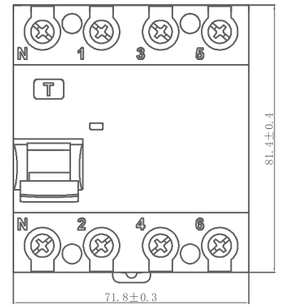
Rated current In(A)	Nominal cross section area (mm^2)	Tightening torque(N.m)
16	2.5	3.5
25	4	
40	10	
63	16	
80	25	
100	35	

Features

Rated current(In): 16A、25A、40A、63A、80A、100A.
Rated operation voltage Ue: 400V~(3P+N);
Rated insulation voltage Ui: 500V;
Frequency: 50/60Hz;
Number of poles: 3P+N;
Mechanical life: 3000 cycles;
Electrical life: 2000 cycles;
Rated short-circuit breaking capacity(Icn): 6kA、10kA;
Rated impulse withstand voltage (Uimp): 4kV.
certification: CE
Major function: residual current operation.

Overall and mounting dimensions





R10 Series

R10LE-40 Residual Current breaker with overcurrent protection

Product introduction	Rated current(A)	IΔn	Type AC B curve	Type AC C curve	Type A B curve	Type A C curve	Packing unit
	6	10mA	R10LE-40/B6/10	R10LE-40/C6/10	R10LE-40/B6/10-A	R10LE-40/C6/10-A	12
	10		R10LE-40/B10/10	R10LE-40/C10/10	R10LE-40/B10/10-A	R10LE-40/C10/10-A	
	16		R10LE-40/B16/10	R10LE-40/C16/10	R10LE-40/B16/10-A	R10LE-40/C16/10-A	
	20		R10LE-40/B20/10	R10LE-40/C20/10	R10LE-40/B20/10-A	R10LE-40/C20/10-A	
	25		R10LE-40/B25/10	R10LE-40/C25/10	R10LE-40/B25/10-A	R10LE-40/C25/10-A	
	32		R10LE-40/B32/10	R10LE-40/C32/10	R10LE-40/B32/10-A	R10LE-40/C32/10-A	
	40		R10LE-40/B40/10	R10LE-40/C40/10	R10LE-40/B40/10-A	R10LE-40/C40/10-A	
	6	30mA	R10LE-40/B6/30	R10LE-40/C6/30	R10LE-40/B6/30-A	R10LE-40/C6/30-A	
	10		R10LE-40/B10/30	R10LE-40/C10/30	R10LE-40/B10/30-A	R10LE-40/C10/30-A	
	16		R10LE-40/B16/30	R10LE-40/C16/30	R10LE-40/B16/30-A	R10LE-40/C16/30-A	
	20		R10LE-40/B20/30	R10LE-40/C20/30	R10LE-40/B20/30-A	R10LE-40/C20/30-A	
	25		R10LE-40/B25/30	R10LE-40/C25/30	R10LE-40/B25/30-A	R10LE-40/C25/30-A	
	32		R10LE-40/B32/30	R10LE-40/C32/30	R10LE-40/B32/30-A	R10LE-40/C32/30-A	
	40		R10LE-40/B40/30	R10LE-40/C40/30	R10LE-40/B40/30-A	R10LE-40/C40/30-A	
	6	100mA	R10LE-40/B6/100	R10LE-40/C6/100	R10LE-40/B6/100-A	R10LE-40/C6/100-A	
	10		R10LE-40/B10/100	R10LE-40/C10/100	R10LE-40/B10/100-A	R10LE-40/C10/100-A	
	16		R10LE-40/B16/100	R10LE-40/C16/100	R10LE-40/B16/100-A	R10LE-40/C16/100-A	
	20		R10LE-40/B20/100	R10LE-40/C20/100	R10LE-40/B20/100-A	R10LE-40/C20/100-A	
	25		R10LE-40/B25/100	R10LE-40/C25/100	R10LE-40/B25/100-A	R10LE-40/C25/100-A	
	32		R10LE-40/B32/100	R10LE-40/C32/100	R10LE-40/B32/100-A	R10LE-40/C32/100-A	
	40		R10LE-40/B40/100	R10LE-40/C40/100	R10LE-40/B40/100-A	R10LE-40/C40/100-A	
	6	300mA	R10LE-40/B6/300	R10LE-40/C6/300	R10LE-40/B6/300-A	R10LE-40/C6/300-A	
	10		R10LE-40/B10/300	R10LE-40/C10/300	R10LE-40/B10/300-A	R10LE-40/C10/300-A	
	16		R10LE-40/B16/300	R10LE-40/C16/300	R10LE-40/B16/300-A	R10LE-40/C16/300-A	
	20		R10LE-40/B20/300	R10LE-40/C20/300	R10LE-40/B20/300-A	R10LE-40/C20/300-A	
	25		R10LE-40/B25/300	R10LE-40/C25/300	R10LE-40/B25/300-A	R10LE-40/C25/300-A	
	32		R10LE-40/B32/300	R10LE-40/C32/300	R10LE-40/B32/300-A	R10LE-40/C32/300-A	
	40		R10LE-40/B40/300	R10LE-40/C40/300	R10LE-40/B40/300-A	R10LE-40/C40/300-A	

TOT
TOT ELECTRIC

R10LE-40 Residual Current breaker with overcurrent protection

Breaking capacity

Standard	IEC61009-1	
Breaking capacity level	M	H
Icn (KA)	4.5	6
Ics (KA)	4.5	6

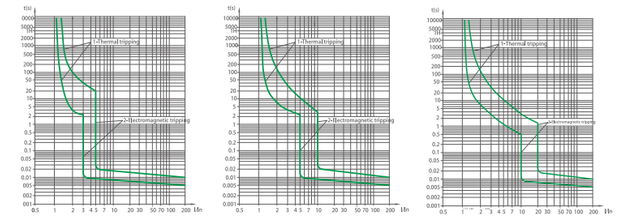
Wiring (The suitable conductors should be used for connection,see table below for relative parameters)

Rated current In(A)	Nominal cross section area (mm²)	Tightening torque(N.m)
6	1	1.8
10	1.5	
16	2.5	
20	2.5	
25	4	
32	6	
40	10	

Features

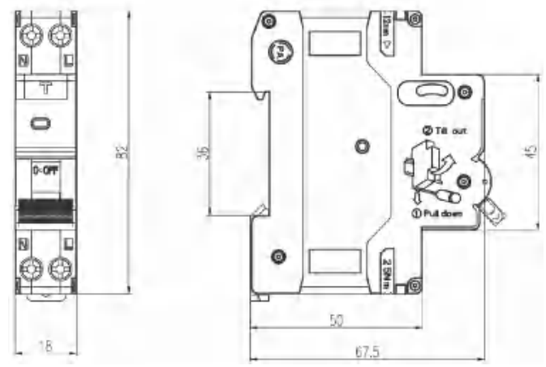
Rated current (In): 6A、10A、16A、20A、25A、32A、40A;
Rated operation voltage Ue: 230V~(1P+N);
Rated insulation voltage Ui: 500V;
Frequency: 50/60Hz;
Thermal magnetic release: C、D;
Number of poles: 1P+N;
Mechanical life: 10000 cycles;
Electrical life: 4000 cycles;
Rated short-circuit breaking capacity(Icn): 4.5kA、6kA;
Short-circuit breaking capacity (Ics): 4.5kA、6kA;
Rated impulse withstand voltage (Uimp): 4kV.
certification: CE
Major function: Overload protection, short circuit protection, isolation, residual current operation.

Curves



B type C type D type

Overall and mounting dimensions



R10 Series

R10LE-63K Residual Current breaker with overcurrent protection

Product introduction	Rated current(A)	IΔn	Type AC B curve	Type AC C curve	Type A B curve	Type A C curve	Packing unit
	6	10mA	R10LE-63K/B6/10	R10LE-63K/C6/10	R10LE-63K/B6/10-A	R10LE-63K/C6/10-A	12
	10		R10LE-63K/B10/10	R10LE-63K/C10/10	R10LE-63K/B10/10-A	R10LE-63K/C10/10-A	
	16		R10LE-63K/B16/10	R10LE-63K/C16/10	R10LE-63K/B16/10-A	R10LE-63K/C16/10-A	
	20		R10LE-63K/B20/10	R10LE-63K/C20/10	R10LE-63K/B20/10-A	R10LE-63K/C20/10-A	
	25		R10LE-63K/B25/10	R10LE-63K/C25/10	R10LE-63K/B25/10-A	R10LE-63K/C25/10-A	
	32		R10LE-63K/B32/10	R10LE-63K/C32/10	R10LE-63K/B32/10-A	R10LE-63K/C32/10-A	
	40		R10LE-63K/B40/10	R10LE-63K/C40/10	R10LE-63K/B40/10-A	R10LE-63K/C40/10-A	
	50		R10LE-63K/B50/10	R10LE-63K/C50/10	R10LE-63K/B50/10-A	R10LE-63K/C50/10-A	
	63		R10LE-63K/B63/10	R10LE-63K/C63/10	R10LE-63K/B63/10-A	R10LE-63K/C63/10-A	
	6	30mA	R10LE-63K/B6/30	R10LE-63K/C6/30	R10LE-63K/B6/30-A	R10LE-63K/C6/30-A	
	10		R10LE-63K/B10/30	R10LE-63K/C10/30	R10LE-63K/B10/30-A	R10LE-63K/C10/30-A	
	16		R10LE-63K/B16/30	R10LE-63K/C16/30	R10LE-63K/B16/30-A	R10LE-63K/C16/30-A	
	20		R10LE-63K/B20/30	R10LE-63K/C20/30	R10LE-63K/B20/30-A	R10LE-63K/C20/30-A	
	25		R10LE-63K/B25/30	R10LE-63K/C25/30	R10LE-63K/B25/30-A	R10LE-63K/C25/30-A	
	32		R10LE-63K/B32/30	R10LE-63K/C32/30	R10LE-63K/B32/30-A	R10LE-63K/C32/30-A	
	40		R10LE-63K/B40/30	R10LE-63K/C40/30	R10LE-63K/B40/30-A	R10LE-63K/C40/30-A	
	50		R10LE-63K/B50/30	R10LE-63K/C50/30	R10LE-63K/B50/30-A	R10LE-63K/C50/30-A	
	63		R10LE-63K/B63/30	R10LE-63K/C63/30	R10LE-63K/B63/30-A	R10LE-63K/C63/30-A	
	6	100mA	R10LE-63K/B6/100	R10LE-63K/C6/100	R10LE-63K/B6/100-A	R10LE-63K/C6/100-A	
	10		R10LE-63K/B10/100	R10LE-63K/C10/100	R10LE-63K/B10/100-A	R10LE-63K/C10/100-A	
	16		R10LE-63K/B16/100	R10LE-63K/C16/100	R10LE-63K/B16/100-A	R10LE-63K/C16/100-A	
	20		R10LE-63K/B20/100	R10LE-63K/C20/100	R10LE-63K/B20/100-A	R10LE-63K/C20/100-A	
	25		R10LE-63K/B25/100	R10LE-63K/C25/100	R10LE-63K/B25/100-A	R10LE-63K/C25/100-A	
	32		R10LE-63K/B32/100	R10LE-63K/C32/100	R10LE-63K/B32/100-A	R10LE-63K/C32/100-A	
	40		R10LE-63K/B40/100	R10LE-63K/C40/100	R10LE-63K/B40/100-A	R10LE-63K/C40/100-A	
	50		R10LE-63K/B50/100	R10LE-63K/C50/100	R10LE-63K/B50/100-A	R10LE-63K/C50/100-A	
	63		R10LE-63K/B63/100	R10LE-63K/C63/100	R10LE-63K/B63/100-A	R10LE-63K/C63/100-A	
	6	300mA	R10LE-63K/B6/300	R10LE-63K/C6/300	R10LE-63K/B6/300-A	R10LE-63K/C6/300-A	
	10		R10LE-63K/B10/300	R10LE-63K/C10/300	R10LE-63K/B10/300-A	R10LE-63K/C10/300-A	
	16		R10LE-63K/B16/300	R10LE-63K/C16/300	R10LE-63K/B16/300-A	R10LE-63K/C16/300-A	
	20		R10LE-63K/B20/300	R10LE-63K/C20/300	R10LE-63K/B20/300-A	R10LE-63K/C20/300-A	
	25		R10LE-63K/B25/300	R10LE-63K/C25/300	R10LE-63K/B25/300-A	R10LE-63K/C25/300-A	
	32		R10LE-63K/B32/300	R10LE-63K/C32/300	R10LE-63K/B32/300-A	R10LE-63K/C32/300-A	
	40		R10LE-63K/B40/300	R10LE-63K/C40/300	R10LE-63K/B40/300-A	R10LE-63K/C40/300-A	
	50		R10LE-63K/B50/300	R10LE-63K/C50/300	R10LE-63K/B50/300-A	R10LE-63K/C50/300-A	
	63		R10LE-63K/B63/300	R10LE-63K/C63/300	R10LE-63K/B63/300-A	R10LE-63K/C63/300-A	

TOT
TOT ELECTRIC

R10LE-63K Residual Current breaker with overcurrent protection

Breaking capacity

Standard	IEC61009-1	
Breaking capacity level	M	H
Icn (KA)	4.5	6
Ics (KA)	4.5	6

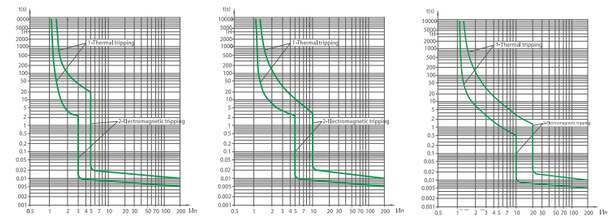
Wiring (The suitable conductors should be used for connection,see table below for relative parameters)

Rated current In(A)	Nominal cross section area (mm^2)	Tightening torque(N.m)
6	1	2.5
10	1.5	
16	2.5	
20	2.5	
25	4	
32	6	
40	10	
50	16	
63	16	

Features

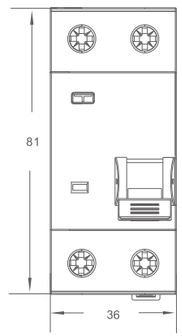
Rated current (In): 6A、10A、16A、20A、25A、32A、40A、50A、63A;
Rated operation voltage Ue: 230V~(1P+N);
Rated insulation voltage Ui: 500V;
Frequency: 50/60Hz;
Thermal magnetic release: B、C、D;
Number of poles: 1P+N;
Mechanical life: 10000 cycles;
Electrical life: 4000 cycles;
Rated short-circuit breaking capacity(Icn): 4.5kA、6kA;
Short-circuit breaking capacity (Ics): 4.5kA、6kA;
Rated impulse withstand voltage (Uimp): 4kV.
certification: CE
Major function: Overload protection, short circuit protection, isolation, residual current operation.

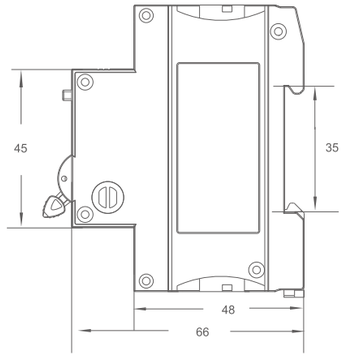
Curves



B type C type D type

Overall and mounting dimensions





R10 Series

R10LE-63Y Residual Current breaker with overcurrent protection

Product introduction	Rated current(A)	IΔn	Type AC B curve	Type AC C curve	Type A B curve	Type A C curve	Packing unit
	6	10mA	R10LE-63Y/B6/10	R10LE-63Y/C6/10	R10LE-63Y/B6/10-A	R10LE-63Y/C6/10-A	12
	10		R10LE-63Y/B10/10	R10LE-63Y/C10/10	R10LE-63Y/B10/10-A	R10LE-63Y/C10/10-A	
	16		R10LE-63Y/B16/10	R10LE-63Y/C16/10	R10LE-63Y/B16/10-A	R10LE-63Y/C16/10-A	
	20		R10LE-63Y/B20/10	R10LE-63Y/C20/10	R10LE-63Y/B20/10-A	R10LE-63Y/C20/10-A	
	25		R10LE-63Y/B25/10	R10LE-63Y/C25/10	R10LE-63Y/B25/10-A	R10LE-63Y/C25/10-A	
	32		R10LE-63Y/B32/10	R10LE-63Y/C32/10	R10LE-63Y/B32/10-A	R10LE-63Y/C32/10-A	
	40		R10LE-63Y/B40/10	R10LE-63Y/C40/10	R10LE-63Y/B40/10-A	R10LE-63Y/C40/10-A	
	50		R10LE-63Y/B50/10	R10LE-63Y/C50/10	R10LE-63Y/B50/10-A	R10LE-63Y/C50/10-A	
	63		R10LE-63Y/B63/10	R10LE-63Y/C63/10	R10LE-63Y/B63/10-A	R10LE-63Y/C63/10-A	
	6	30mA	R10LE-63Y/B6/30	R10LE-63Y/C6/30	R10LE-63Y/B6/30-A	R10LE-63Y/C6/30-A	
	10		R10LE-63Y/B10/30	R10LE-63Y/C10/30	R10LE-63Y/B10/30-A	R10LE-63Y/C10/30-A	
	16		R10LE-63Y/B16/30	R10LE-63Y/C16/30	R10LE-63Y/B16/30-A	R10LE-63Y/C16/30-A	
	20		R10LE-63Y/B20/30	R10LE-63Y/C20/30	R10LE-63Y/B20/30-A	R10LE-63Y/C20/30-A	
	25		R10LE-63Y/B25/30	R10LE-63Y/C25/30	R10LE-63Y/B25/30-A	R10LE-63Y/C25/30-A	
	32		R10LE-63Y/B32/30	R10LE-63Y/C32/30	R10LE-63Y/B32/30-A	R10LE-63Y/C32/30-A	
	40		R10LE-63Y/B40/30	R10LE-63Y/C40/30	R10LE-63Y/B40/30-A	R10LE-63Y/C40/30-A	
	50		R10LE-63Y/B50/30	R10LE-63Y/C50/30	R10LE-63Y/B50/30-A	R10LE-63Y/C50/30-A	
	63		R10LE-63Y/B63/30	R10LE-63Y/C63/30	R10LE-63Y/B63/30-A	R10LE-63Y/C63/30-A	
	6	100mA	R10LE-63Y/B6/100	R10LE-63Y/C6/100	R10LE-63Y/B6/100-A	R10LE-63Y/C6/100-A	
	10		R10LE-63Y/B10/100	R10LE-63Y/C10/100	R10LE-63Y/B10/100-A	R10LE-63Y/C10/100-A	
	16		R10LE-63Y/B16/100	R10LE-63Y/C16/100	R10LE-63Y/B16/100-A	R10LE-63Y/C16/100-A	
	20		R10LE-63Y/B20/100	R10LE-63Y/C20/100	R10LE-63Y/B20/100-A	R10LE-63Y/C20/100-A	
	25		R10LE-63Y/B25/100	R10LE-63Y/C25/100	R10LE-63Y/B25/100-A	R10LE-63Y/C25/100-A	
	32		R10LE-63Y/B32/100	R10LE-63Y/C32/100	R10LE-63Y/B32/100-A	R10LE-63Y/C32/100-A	
	40		R10LE-63Y/B40/100	R10LE-63Y/C40/100	R10LE-63Y/B40/100-A	R10LE-63Y/C40/100-A	
	50		R10LE-63Y/B50/100	R10LE-63Y/C50/100	R10LE-63Y/B50/100-A	R10LE-63Y/C50/100-A	
	63		R10LE-63Y/B63/100	R10LE-63Y/C63/100	R10LE-63Y/B63/100-A	R10LE-63Y/C63/100-A	
	6	300mA	R10LE-63Y/B6/300	R10LE-63Y/C6/300	R10LE-63Y/B6/300-A	R10LE-63Y/C6/300-A	
	10		R10LE-63Y/B10/300	R10LE-63Y/C10/300	R10LE-63Y/B10/300-A	R10LE-63Y/C10/300-A	
	16		R10LE-63Y/B16/300	R10LE-63Y/C16/300	R10LE-63Y/B16/300-A	R10LE-63Y/C16/300-A	
	20		R10LE-63Y/B20/300	R10LE-63Y/C20/300	R10LE-63Y/B20/300-A	R10LE-63Y/C20/300-A	
	25		R10LE-63Y/B25/300	R10LE-63Y/C25/300	R10LE-63Y/B25/300-A	R10LE-63Y/C25/300-A	
	32		R10LE-63Y/B32/300	R10LE-63Y/C32/300	R10LE-63Y/B32/300-A	R10LE-63Y/C32/300-A	
	40		R10LE-63Y/B40/300	R10LE-63Y/C40/300	R10LE-63Y/B40/300-A	R10LE-63Y/C40/300-A	
	50		R10LE-63Y/B50/300	R10LE-63Y/C50/300	R10LE-63Y/B50/300-A	R10LE-63Y/C50/300-A	
	63		R10LE-63Y/B63/300	R10LE-63Y/C63/300	R10LE-63Y/B63/300-A	R10LE-63Y/C63/300-A	

TOT
TOT ELECTRIC

R10LE-63Y Residual Current breaker with overcurrent protection

Breaking capacity

Standard	IEC61009-1	
Breaking capacity level	M	H
Icn (KA)	6	10
Ics (KA)	6	10

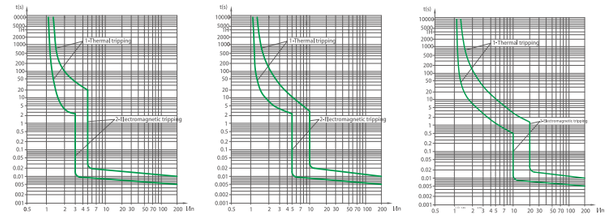
Wiring (The suitable conductors should be used for connection,see table below for relative parameters)

Rated current In(A)	Nominal cross section area (mm²)	Tightening torque(N.m)
6	1	2.5
10	1.5	
16	2.5	
20	2.5	
25	4	
32	6	
40	10	
50	16	
63	16	

Features

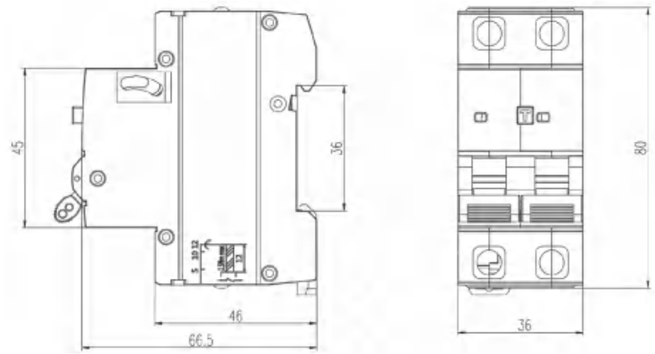
Rated current (In): 6A、10A、16A、20A、25A、32A、40A、50A、63A;
Rated operation voltage Ue: 230V~(1P+N);
Rated insulation voltage Ui: 500V;
Frequency: 50/60Hz;
Thermal magnetic release: B、C、D;
Number of poles: 1P+N;
Mechanical life: 10000 cycles;
Electrical life: 4000 cycles;
Rated short-circuit breaking capacity(Icn): 6kA、10kA;
Short-circuit breaking capacity (Ics): 6kA、10kA;
Rated impulse withstand voltage (Uimp): 4kV.
Certification: CE
Major function: Overload protection, short circuit protection, isolation, residual current operation.

Curves



B type C type D type

Overall and mounting dimensions



R10 Series

R10LE-63 Residual Current breaker with overcurrent protection

Product introduction	Rated current(A)	IΔn	Type AC B curve	Type AC C curve	Type A B curve	Type A C curve	Packing unit
	6	10mA	R10LE-63/1-B6/10	R10LE-63/1-C6/10	R10LE-63/1-B6/10-A	R10LE-63/1-C6/10-A	12
	10		R10LE-63/1-B10/10	R10LE-63/1-C10/10	R10LE-63/1-B10/10-A	R10LE-63/1-C10/10-A	
	16		R10LE-63/1-B16/10	R10LE-63/1-C16/10	R10LE-63/1-B16/10-A	R10LE-63/1-C16/10-A	
	20		R10LE-63/1-B20/10	R10LE-63/1-C20/10	R10LE-63/1-B20/10-A	R10LE-63/1-C20/10-A	
	25		R10LE-63/1-B25/10	R10LE-63/1-C25/10	R10LE-63/1-B25/10-A	R10LE-63/1-C25/10-A	
	32		R10LE-63/1-B32/10	R10LE-63/1-C32/10	R10LE-63/1-B32/10-A	R10LE-63/1-C32/10-A	
	40		R10LE-63/1-B40/10	R10LE-63/1-C40/10	R10LE-63/1-B40/10-A	R10LE-63/1-C40/10-A	
	50		R10LE-63/1-B50/10	R10LE-63/1-C50/10	R10LE-63/1-B50/10-A	R10LE-63/1-C50/10-A	
	63		R10LE-63/1-B63/10	R10LE-63/1-C63/10	R10LE-63/1-B63/10-A	R10LE-63/1-C63/10-A	
	6	30mA	R10LE-63/2-B6/30	R10LE-63/2-C6/30	R10LE-63/2-B6/30-A	R10LE-63/2-C6/30-A	
	10		R10LE-63/2-B10/30	R10LE-63/2-C10/30	R10LE-63/2-B10/30-A	R10LE-63/2-C10/30-A	
	16		R10LE-63/2-B16/30	R10LE-63/2-C16/30	R10LE-63/2-B16/30-A	R10LE-63/2-C16/30-A	
	20		R10LE-63/2-B20/30	R10LE-63/2-C20/30	R10LE-63/2-B20/30-A	R10LE-63/2-C20/30-A	
	25		R10LE-63/2-B25/30	R10LE-63/2-C25/30	R10LE-63/2-B25/30-A	R10LE-63/2-C25/30-A	
	32		R10LE-63/2-B32/30	R10LE-63/2-C32/30	R10LE-63/2-B32/30-A	R10LE-63/2-C32/30-A	
	40		R10LE-63/2-B40/30	R10LE-63/2-C40/30	R10LE-63/2-B40/30-A	R10LE-63/2-C40/30-A	
	50		R10LE-63/2-B50/30	R10LE-63/2-C50/30	R10LE-63/2-B50/30-A	R10LE-63/2-C50/30-A	
	63		R10LE-63/2-B63/30	R10LE-63/2-C63/30	R10LE-63/2-B63/30-A	R10LE-63/2-C63/30-A	
	6	100mA	R10LE-63/3-B6/100	R10LE-63/3-C6/100	R10LE-63/3-B6/100-A	R10LE-63/3-C6/100-A	
	10		R10LE-63/3-B10/100	R10LE-63/3-C10/100	R10LE-63/3-B10/100-A	R10LE-63/3-C10/100-A	
	16		R10LE-63/3-B16/100	R10LE-63/3-C16/100	R10LE-63/3-B16/100-A	R10LE-63/3-C16/100-A	
	20		R10LE-63/3-B20/100	R10LE-63/3-C20/100	R10LE-63/3-B20/100-A	R10LE-63/3-C20/100-A	
	25		R10LE-63/3-B25/100	R10LE-63/3-C25/100	R10LE-63/3-B25/100-A	R10LE-63/3-C25/100-A	
	32		R10LE-63/3-B32/100	R10LE-63/3-C32/100	R10LE-63/3-B32/100-A	R10LE-63/3-C32/100-A	
	40		R10LE-63/3-B40/100	R10LE-63/3-C40/100	R10LE-63/3-B40/100-A	R10LE-63/3-C40/100-A	
	50		R10LE-63/3-B50/100	R10LE-63/3-C50/100	R10LE-63/3-B50/100-A	R10LE-63/3-C50/100-A	
	63		R10LE-63/3-B63/100	R10LE-63/3-C63/100	R10LE-63/3-B63/100-A	R10LE-63/3-C63/100-A	
	6	300mA	R10LE-63/4-B6/300	R10LE-63/4-C6/300	R10LE-63/4-B6/300-A	R10LE-63/4-C6/300-A	
	10		R10LE-63/4-B10/300	R10LE-63/4-C10/300	R10LE-63/4-B10/300-A	R10LE-63/4-C10/300-A	
	16		R10LE-63/4-B16/300	R10LE-63/4-C16/300	R10LE-63/4-B16/300-A	R10LE-63/4-C16/300-A	
	20		R10LE-63/4-B20/300	R10LE-63/4-C20/300	R10LE-63/4-B20/300-A	R10LE-63/4-C20/300-A	
	25		R10LE-63/4-B25/300	R10LE-63/4-C25/300	R10LE-63/4-B25/300-A	R10LE-63/4-C25/300-A	
	32		R10LE-63/4-B32/300	R10LE-63/4-C32/300	R10LE-63/4-B32/300-A	R10LE-63/4-C32/300-A	
	40		R10LE-63/4-B40/300	R10LE-63/4-C40/300	R10LE-63/4-B40/300-A	R10LE-63/4-C40/300-A	
	50		R10LE-63/4-B50/300	R10LE-63/4-C50/300	R10LE-63/4-B50/300-A	R10LE-63/4-C50/300-A	
	63		R10LE-63/4-B63/300	R10LE-63/4-C63/300	R10LE-63/4-B63/300-A	R10LE-63/4-C63/300-A	

TOT
TOT ELECTRIC

R10LE-63 Residual Current breaker with overcurrent protection

Breaking capacity

Standard	IEC61009-1	
Breaking capacity level	M	H
Icn (KA)	4.5	6
Ics (KA)	4.5	6

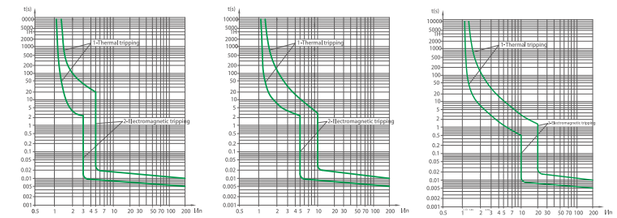
Wiring (The suitable conductors should be used for connection,see table below for relative parameters)

Rated current In(A)	Nominal cross section area (mm²)	Tightening torque(N.m)
6	1	2.5
10	1.5	
16	2.5	
20	2.5	
25	4	
32	6	
40	10	
50	16	
63	16	

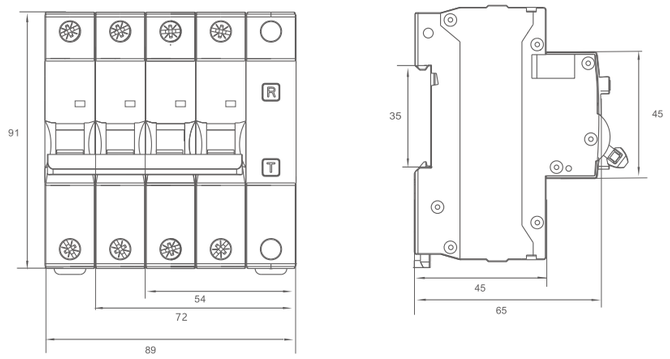
Features

Rated current(In): 6A、10A、16A、20A、25A、32A、40A、50A、63A;
Rated operation voltage Ue: 230V~(1P+N/2P); 400V~(3P、3P+N、4P);
Rated insulation voltage Ui: 500V;
Frequency: 50/60Hz;
Thermal magnetic release: B、C、D;
Number of poles: 1P+N、2P、3P、3P+N、4P;
Mechanical life: 20000 cycles;
Electrical life: 4000 cycles;
Rated short-circuit breaking capacity(Icn): 4.5kA、6kA;
Short-circuit breaking capacity (Ics): 4.5kA、6kA;
Rated impulse withstand voltage (Uimp): 4kV.
certification: CE
Major function: Overload protection, short circuit protection, isolation, residual current operation.

Curves



Overall and mounting dimensions



R10 Series

R10LE-125H Residual Current breaker with overcurrent protection

Product introduction	Rated current(A)	IEC60898-1 B curve	IEC60898-1 C curve	IEC60898-1 D curve	IEC60947-2	Packing unit
	63	R10LE-125H/1-B63	R10LE-125H/1-C63	R10LE-125H/1-D63	R10LE-125H/1-63	12
	80	R10LE-125H/1-B80	R10LE-125H/1-C80	R10LE-125H/1-D80	R10LE-125H/1-80	
	100	R10LE-125H/1-B100	R10LE-125H/1-C100	R10LE-125H/1-D100	R10LE-125H/1-100	
	125	R10LE-125H/1-B125	R10LE-125H/1-C125	R10LE-125H/1-D125	R10LE-125H/1-125	
	63	R10LE-125H/2-B63	R10LE-125H/2-C63	R10LE-125H/2-D63	R10LE-125H/2-63	6
	80	R10LE-125H/2-B80	R10LE-125H/2-C80	R10LE-125H/2-D80	R10LE-125H/2-80	
	100	R10LE-125H/2-B100	R10LE-125H/2-C100	R10LE-125H/2-D100	R10LE-125H/2-100	
	125	R10LE-125H/2-B125	R10LE-125H/2-C125	R10LE-125H/2-D125	R10LE-125H/2-125	
	63	R10LE-125H/3-B63	R10LE-125H/3-C63	R10LE-125H/3-D63	R10LE-125H/3-63	4
	80	R10LE-125H/3-B80	R10LE-125H/3-C80	R10LE-125H/3-D80	R10LE-125H/3-80	
	100	R10LE-125H/3-B100	R10LE-125H/3-C100	R10LE-125H/3-D100	R10LE-125H/3-100	
	125	R10LE-125H/3-B125	R10LE-125H/3-C125	R10LE-125H/3-D125	R10LE-125H/3-125	
	63	R10LE-125H/4-B63	R10LE-125H/4-C63	R10LE-125H/4-D63	R10LE-125H/4-63	3
	80	R10LE-125H/4-B80	R10LE-125H/4-C80	R10LE-125H/4-D80	R10LE-125H/4-80	
	100	R10LE-125H/4-B100	R10LE-125H/4-C100	R10LE-125H/4-D100	R10LE-125H/4-100	
	125	R10LE-125H/4-B125	R10LE-125H/4-C125	R10LE-125H/4-D125	R10LE-125H/4-125	

TOT
TOT ELECTRIC

R10LE-125H Residual Current breaker with overcurrent protection

Breaking capacity

Standard	IEC60898-1		IEC60947-2	
Breaking capacity level	M	H	M	H
Icn (KA)	6	10	6	10
Ics (KA)	6	7.5	6	7.5

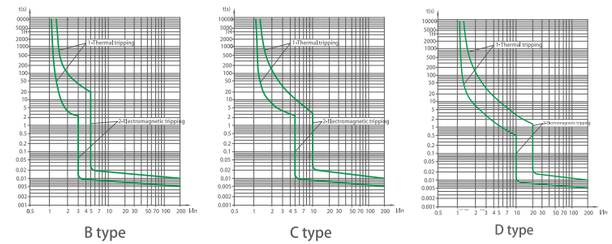
Wiring (The suitable conductors should be used for connection,see table below for relative parameters)

Rated current In(A)	Nominal cross section area (mm^2)	Tightening torque(N.m)
63	16	3.5
80	25	
100	35	
125	50	

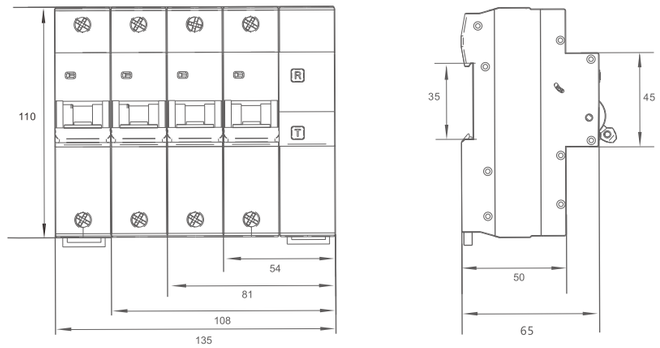
Features

Rated current(In): 63A、80A、100A、125A;
Rated operation voltage Ue: 230V~(1P+N、2P), 400V~(3P、3P+N、4P);
Rated insulation voltage Ui: 500V;
Frequency: 50/60Hz;
Thermal magnetic release: B、C、D;
Number of poles: 1P+N、2P、3P、3P+N、4P;
Mechanical life: 20000 cycles;
Electrical life: 4000 cycles;
Rated short-circuit breaking capacity(Icn): 6kA、10kA;
Short-circuit breaking capacity (Ics): 6kA、7.5kA;
Rated impulse withstand voltage (Uimp): 4kV.
certification: CE
Major function: Overload protection, short circuit protection, isolation, residual current operation.

Curves



Overall and mounting dimensions



Product characteristics

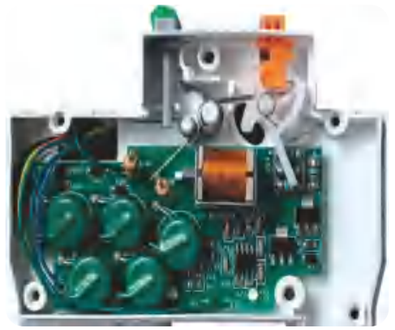
TOT
TOT ELECTRIC

R10 RCCB&RCBO series

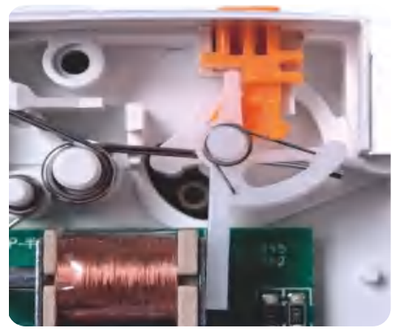


- Patent small body design with high rating.
- 1-4P RCBO tripper 18mm size with rated current up to 125A
- Breaking capacity 4.5kA~10kA
- High current limiting capacity.

R10 RCCB&RCBO series



integrated circuit chip



tripper machanism

- SMT integrated circuit chip
- amplified tripper machanism
- Require low coil force values
- coil not easy to burn.

R10 ISOLATOR

RH10-125 ISOLATOR

Product introduction	Rated current(A)	IEC60947-3	Packing unit
	16	RH10-16/1	12
	20	RH10-20/1	
	25	RH10-25/1	
	32	RH10-32/1	
	40	RH10-40/1	
	50	RH10-50/1	
	63	RH10-63/1	
	80	RH10-80/1	
	100	RH10-100/1	
	125	RH10-125/1	
	16	RH10-16/2	6
	20	RH10-20/2	
	25	RH10-25/2	
	32	RH10-32/2	
	40	RH10-40/2	
	50	RH10-50/2	
	63	RH10-63/2	
	80	RH10-80/2	
	100	RH10-100/2	
	125	RH10-125/2	
	16	RH10-16/3	4
	20	RH10-20/3	
	25	RH10-25/3	
	32	RH10-32/3	
	40	RH10-40/3	
	50	RH10-50/3	
	63	RH10-63/3	
	80	RH10-80/3	
	100	RH10-100/3	
	125	RH10-125/3	
	16	RH10-16/4	3
	20	RH10-20/4	
	25	RH10-25/4	
	32	RH10-32/4	
	40	RH10-40/4	
	50	RH10-50/4	
	63	RH10-63/4	
	80	RH10-80/4	
	100	RH10-100/4	
	125	RH10-125/4	

TOT
TOT ELECTRIC

RH10-125 ISOLATOR

Endurance(operations)

Category	Operations	Operation frequency	Rated current
Electrical endurance	10000	120/h	16~125A
Mechanical endurance	20000	120/h	16~125A

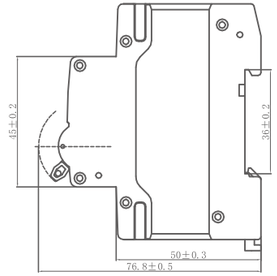
Wiring (The suitable conductors should be used for connection,see table below for relative parameters)

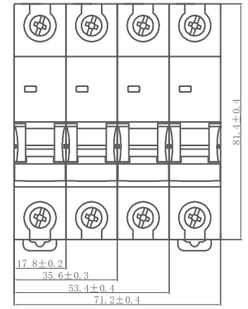
Rated current In(A)	Nominal cross section area s(mm^2)	Tightening torque(N.m)
16	2.5	3.5
20	2.5	
25	4	
32	6	
40	10	
50	10	
63	16	
80	35	
80	35	
100	35	
125	50	

Features

Rated current Ie: 16A、20A、25A、32A、40A、50A、63A、80A、100A、125A;
Rated operation voltage Ue: 230V/400V~(1P); AC400V~(2P、3P、4P);
Rated insulation voltage Ui: 500V;
Frequency: 50/60Hz;
Number of poles: 1P、2P、3P、4P;
Mechanical life: 20000 cycles;
Electrical life: 10000 cycles;
Rated short time withstand current Icw: 1500A,power-on time of 1s;
Rated short-circuit making capacity Icm: 1500A,power-on time of 1s;
Rated impulse withstand voltage Uimp: 4kV.
Certification: CE
Major function: Isolation function.

Overall and mounting dimensions





R10 INDICATOR

R10-SL INDICATOR

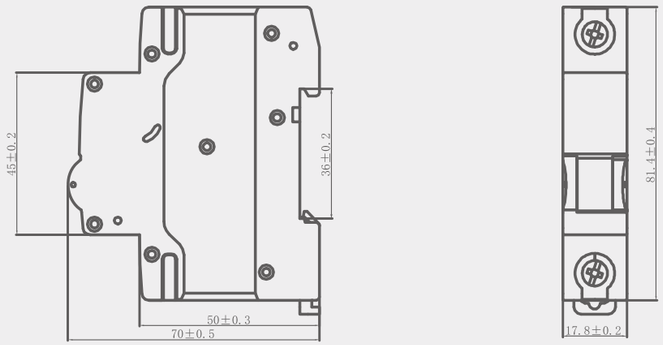
Product introduction	Rated voltage(A)	Code NO.	Illuminaton	color	Packing unit
	AC/DC 6.3V	R10-SL-L6	Neon incandescence LED	Green	12
	AC/DC 12V	R10-SL-L12			
	AC/DC 24V	R10-SL-L24			
	AC/DC 110V	R10-SL-L110			
	AC/DC 230V	R10-SL-L230			
	AC/DC 6.3V	R10-SL-L6	Neon incandescence LED	Red	12
	AC/DC 12V	R10-SL-L12			
	AC/DC 24V	R10-SL-L24			
	AC/DC 110V	R10-SL-L110			
	AC/DC 230V	R10-SL-L230			
	AC/DC 6.3V	R10-SL-L6	Neon incandescence LED	Orange	12
	AC/DC 12V	R10-SL-L12			
	AC/DC 24V	R10-SL-L24			
	AC/DC 110V	R10-SL-L110			
	AC/DC 230V	R10-SL-L230			

TOT
TOT ELECTRIC

R10-SL INDICATOR

Standard	EN/IEC60947-5-1
Rated current AC12(A)	20
Electric ratings	Up to AC 230V 50/60Hz
Rated insulation Voltage Ui(V)	500
Illumination	LED,Incandescence,neon
Life	Incandescence lamp >1000h Neon lamp >2000h LED ≥30000h
Ambient temperature(℃)	-5~+40,max.95% humidity
Storage temperature(℃)	-40~+75
Connection capacity(mm^2)	1-16
Color	Red+Blue+Green
Type of terminal	Pin type
Protection degree	IP20
Mounting	35mm DIN rail

Overall and mounting dimensions



CERTIFICATES

Dedicated to R&D
and manufacturing of
circuit breakers for 15 years!















