



PXL9-63
Residual Current Circuit Breaker
(Electromagnetic)

CB

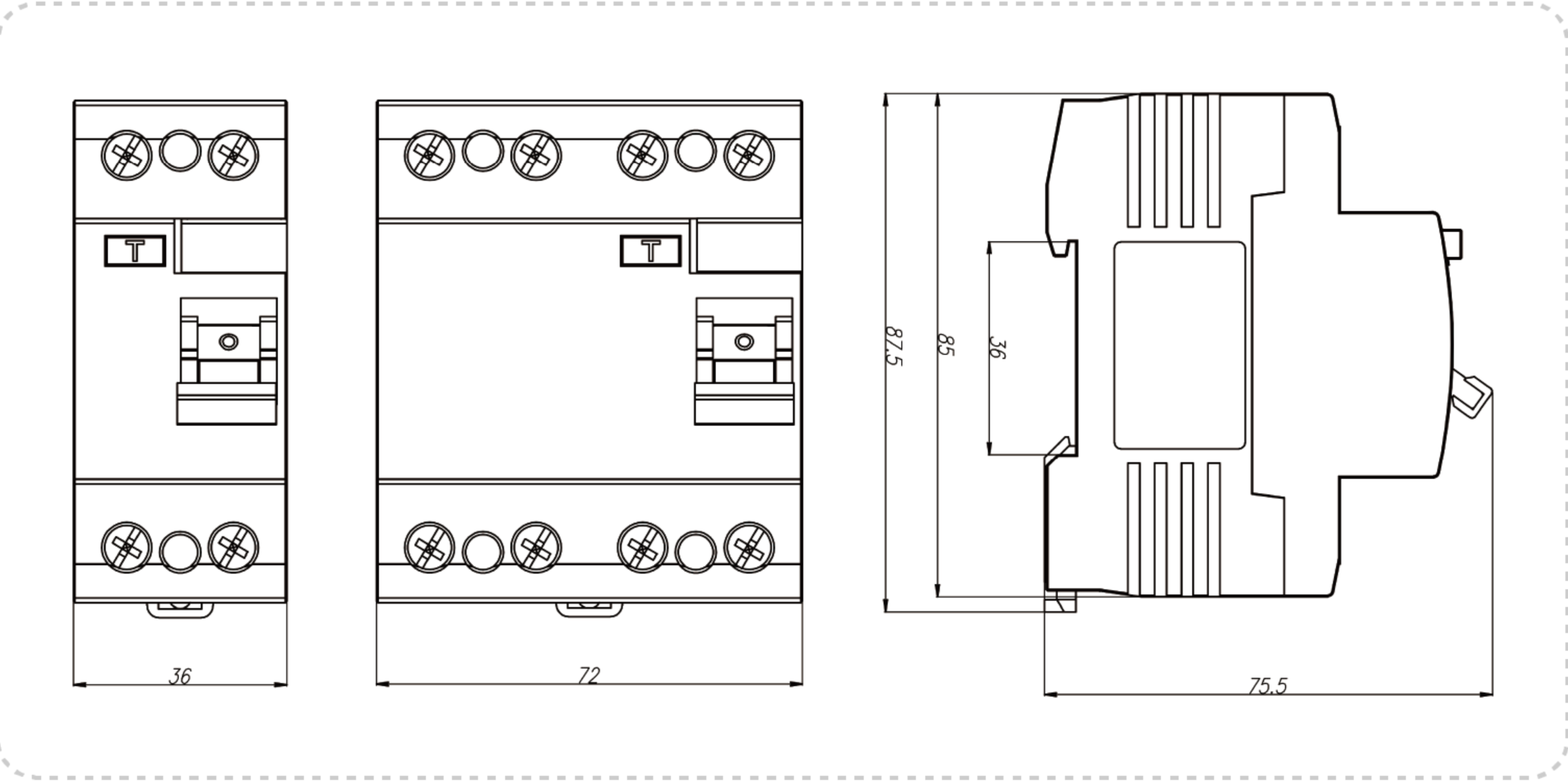
Overview&Description

- Residual current circuit breakers are used in housing ,tertiary sector and industry.
- Control electric circuits.
 - Protect people against indirect contacts and additional protection against direct contacts.
 - Protect installations against fire hazard due to insulation faults.
 - Wide variety of rated tripping currents

Technical data

Specifications		
Rated voltage Ue	1P+N:230/240V	3P+N:400/415V
Rated current(A)	6, 10, 16, 20, 25, 32, 40, 50, 63	
Rated insulation voltage (Ui)	500V	
Rated frequency	50Hz/60Hz	
Number of poles	1P+N 3P+N	
Rated limited short-circuit current Inc(A)	6000	
Rated limited residual short-circuit current I△c (A)	6000	
Mechanical & Electrical life	4000	
Rated residual operating current I△n (mA)	30, 100, 300	
Pollution degree	2	
Protection degree	IP20	
Standards	EN/ IEC 61008-1, GB/T 16916.1	
Tighten torque(Nm)	2.5	
Rated impulse withstand voltage (Uimp)	4000V	
Type of residual curent	AC、A、B、S、G	
Rated making&breaking capacity Im(A)	500A or 10In(Take the maximumvalue)	
Rated residual making&breaking capacity I△m(A)	500A or 10In(Take the maximumvalue)	

Dimension



COMPANY PROFILE

2

Intelligent
Manufacturing Base

29

YEARS
Lean Manufacturing
Experience

60000

M²
Total Building Size

80M

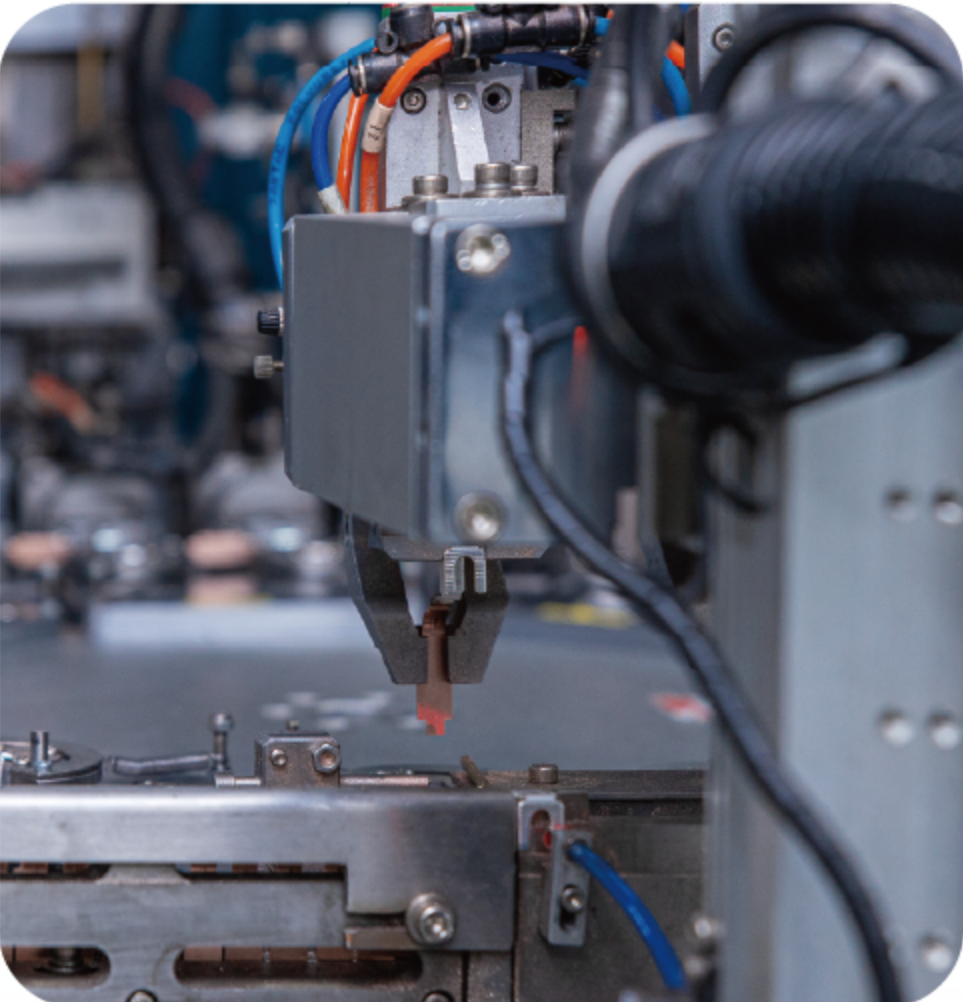
POLES
MCB Annual Production
Capacity

60%

Of Production
Machinery Self-developed

80%

Of Manufacturing
Process Automated



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PXB9 Series Circuit Breaker
PRODUCT BROCHURE



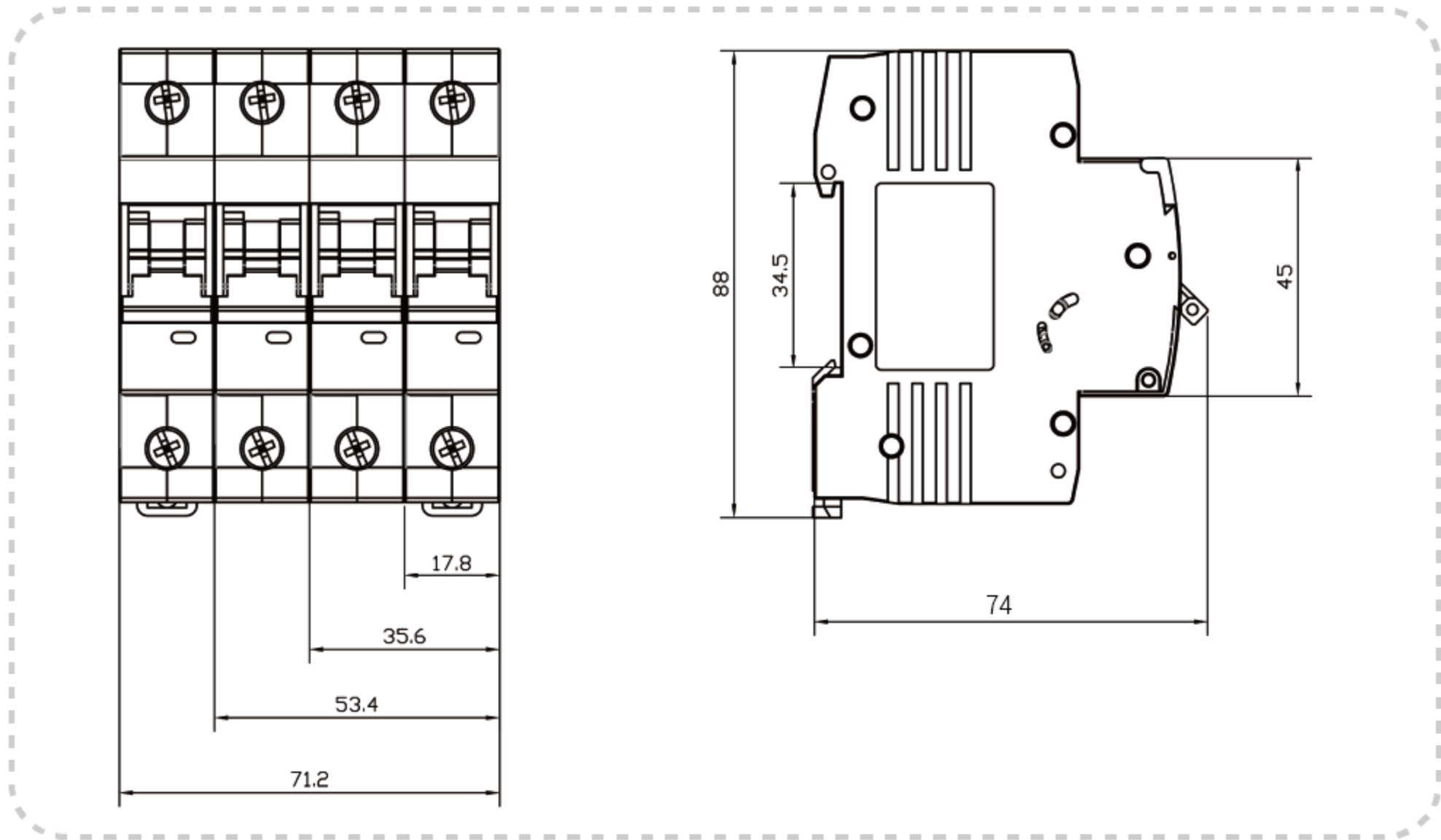
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PXB9-63
Miniature Circuit Breaker (MCB)

Overview&Description

- High Interruption rating capabilities.
 - Overload & short circuit protection
 - Positive isolation
- Suitable for industrial ,commercial, high -rise and civil residences circuit protection .

Dimension



Technical data

Specifications	
Rated voltage Ue	230V/400V
Rated impulse withstand voltage Uimp	4000V
Rated current(A)	6、10、13、16、20、25、32、40、50、63
Rated frequency	50Hz / 60Hz
Number of poles	1P、2P、3P、4P
Rated breaking capacity Icn=Ics(A)	6000A
Mechanical & Electrical life	Mechanical life 10000 、 Electrical life 6000
Tripping characteristics	B、 C、 D
Pollution degree	2
Protection degree	IP20
Standards	EN/ IEC60898 -1 、 GB/T10963 . 1
Tighten torque(Nm)	3.5

Table1 Tripping characteristics (Reference temp.30℃)

Item	Tripping Curve	Test current In(A)	Initial Status	Time limit for tripping or non-tripping	Expected result	Remark
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.



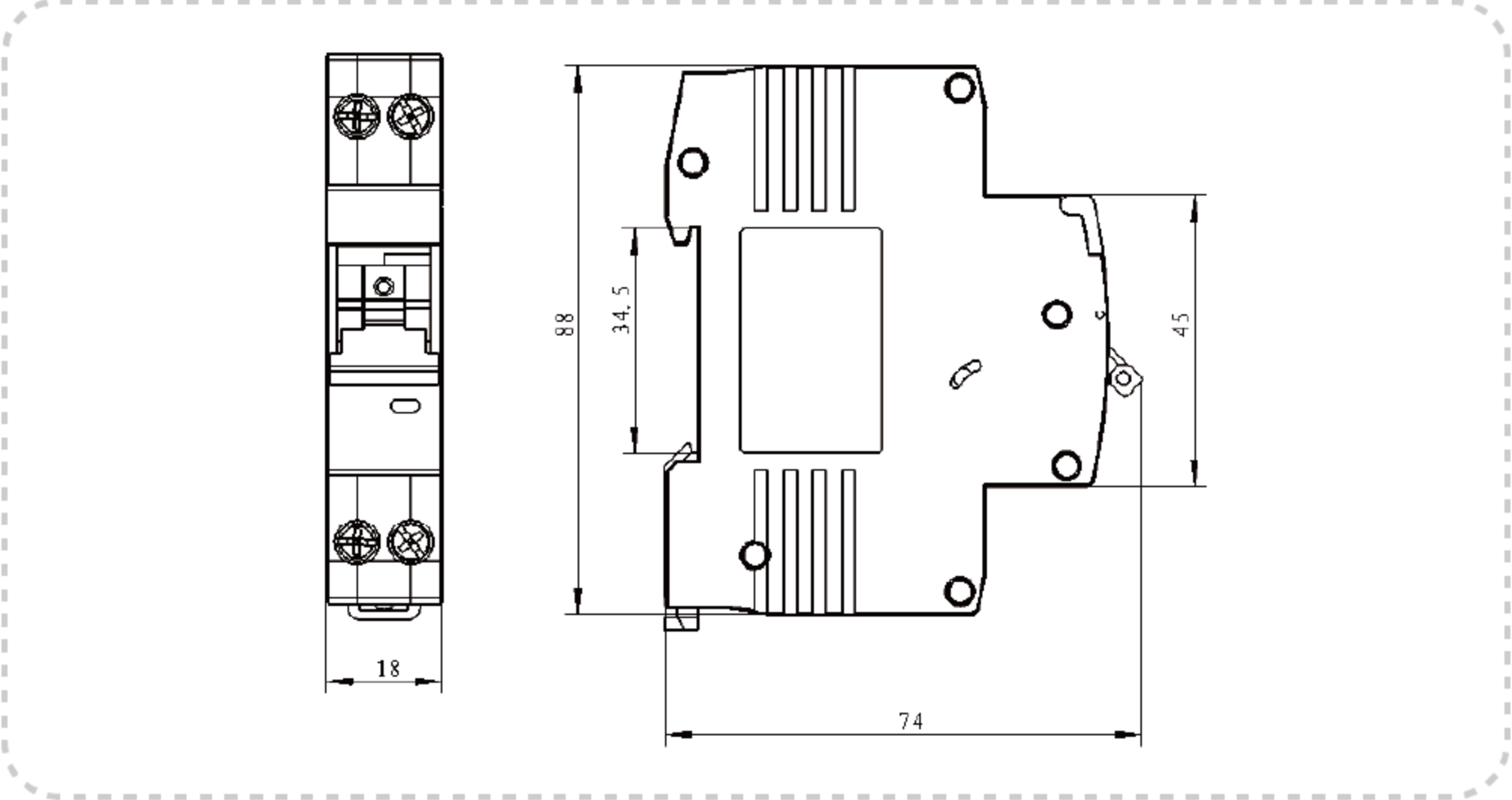
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PXB9N-32
Miniature Circuit Breaker (MCB_DPN)

Overview&Description

- Compact structure and robust design
 - Low power consumption
 - Easy DIN-Rail extraction
 - Overload & short circuit protection
- Suitable for industrial, commercial, high-rise and civil residences circuit protection.

Dimension



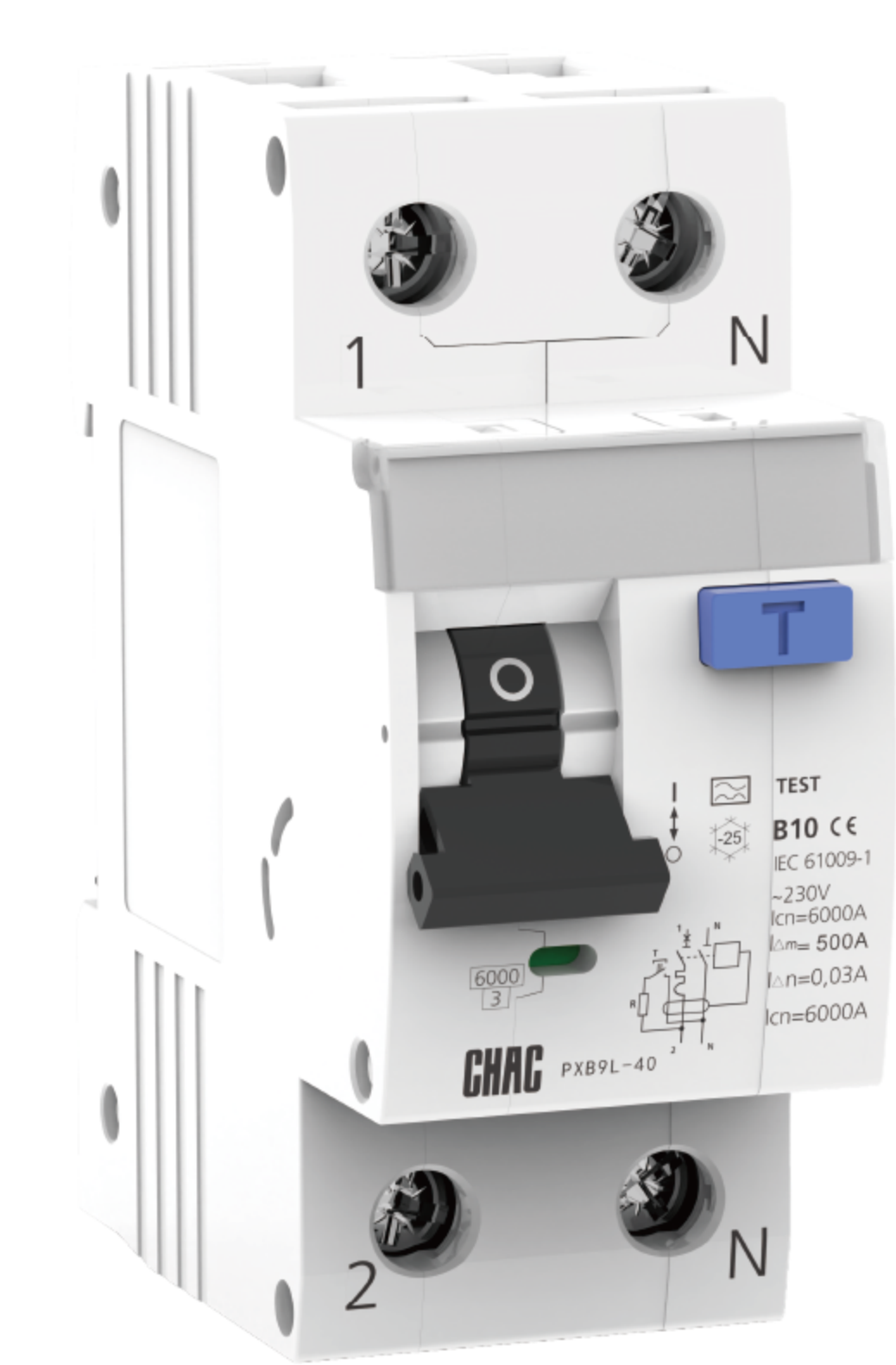
Technical data

Specifications	
Rated voltage Ue	230V~
Rated impulse withstand voltage Uimp	4000V
Rated current(A)	6、10、13、16、20、25、32
Rated frequency	50Hz/60Hz
Number of poles	1P+N
Rated breaking capacity Icn=Ics(A)	6000
Mechanical & Electrical life	Mechanical life 10000 、 Electrical life 4000
Tripping characteristics	B、C、D
Pollution degree	2
Protection degree	IP20
Standards	EN/ IEC 60898 -1、 GB/T 10963.1
Tighten torque(Nm)	2

Table1 Tripping characteristics (Reference temp.30℃)

Item	Tripping Curve	Test current In(A)	Initial Status	Time limit for tripping or non-tripping	Expected result	Remark
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)	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.



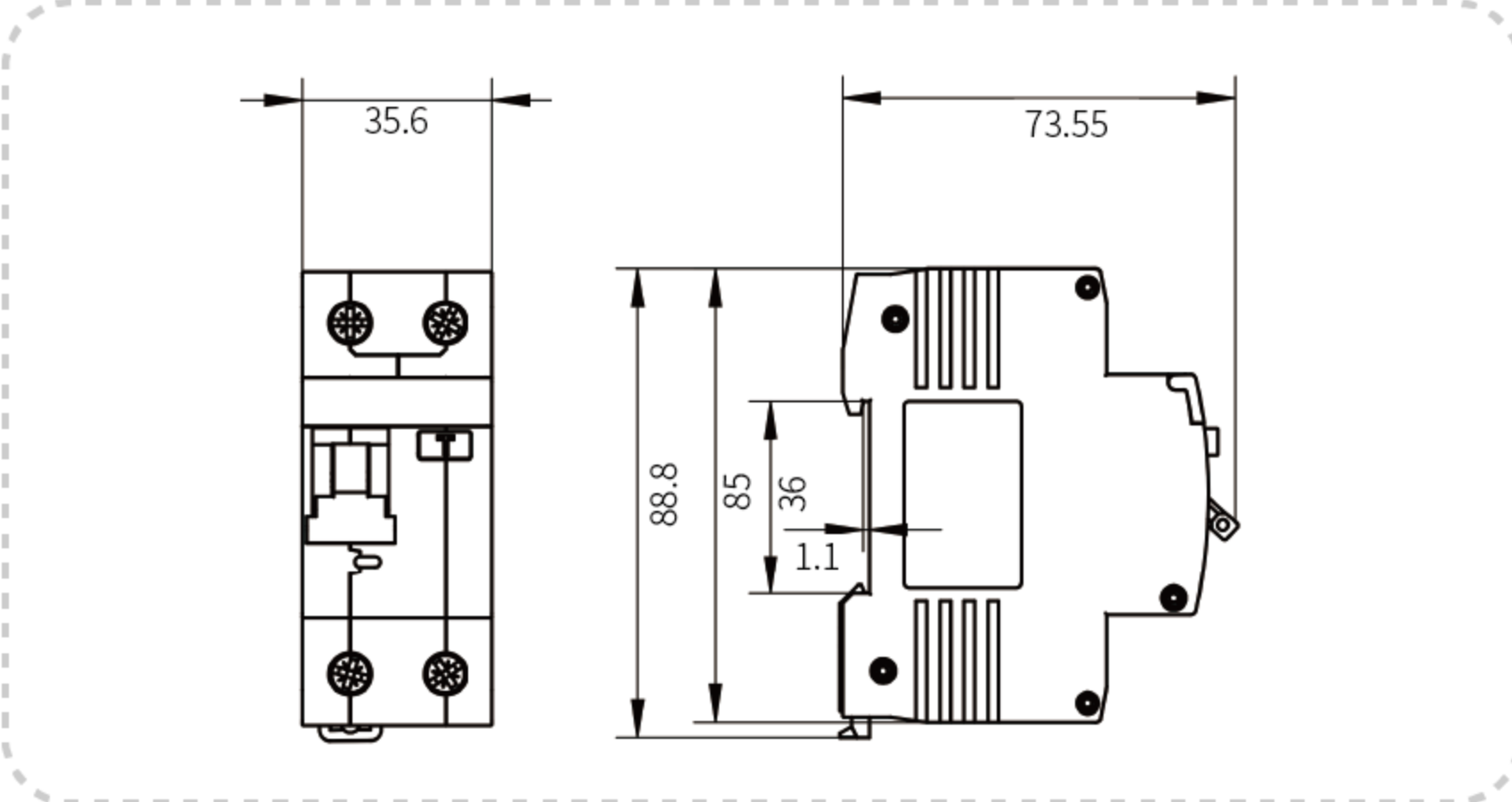
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PXB9L-40
Residual Current Operated Circuit Breaker (Electromagnetic)

Overview&Description

- Provides ground fault/leakage current, short circuit, overload protection and isolation
- Provides additional protection against direct human contact
- Effectively prevent electrical equipment insulation failure
- Comprehensive protection for residential and commercial power distribution systems

Dimension



Technical data

Specifications	
Rated voltage Ue	230V
Rated current(A)	6、10、13、16、20、25、32、40
Rated frequency	50Hz
Number of poles	1P+N
Rated breaking capacity Icn=Ics(A)	6000
Mechanical & Electrical life	Mechanical life 10000 、 Electrical life 4000
Tripping characteristics	B、C、D
Pollution degree	2
Protection degree	IP20
Standards	EN/ IEC 61009-1、 GB/T 16917.1
Tighten torque(Nm)	3.5
Type of residual current	AC、A
Rated residualoperating current I△n (mA)	30
Rated service breaking capacity Icn=Ics(A)	6000
Rated residual making&breaking capacity I△m(A)	500

Table1 Tripping characteristics (Reference temp.30℃)

Item	Tripping Curve	Test current In(A)	Initial Status	Time limit for tripping or non-tripping	Expected result	Remark
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.