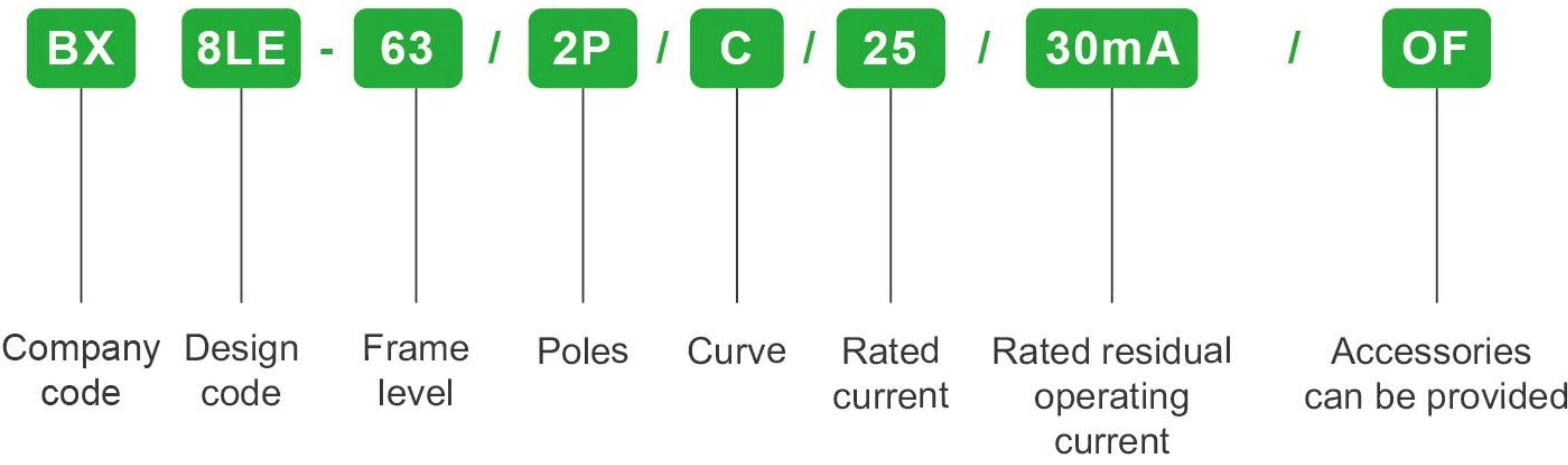


1.General



- The system supports activation and deactivation of residual current protection, short- circuit protection, overload protection, and leakage trip functions.
- It features a trip window indicator for short-circuit and overload protection. In environments where power interruption is prohibited or during fault maintenance, the leakage protection device enters a locked state, rendering it incapable of triggering leakage protec- tion trips.
- The material used is flame-retardant material of V-0 grade.
- High breaking capacity and strong versatility of accessories.
- A finger protection combined terminal with red and green safety indicators for enhanced safety.
- The housing and some functional components are manufactured from imported plastics that exhibit high flame retardancy, heat resistance, and impact resistance.
- The leakage current detection function is optional and suitable for various environments.
- Both the L pole and N pole feature overload protection functionality.

2.Nomenclature



3.Time-Current Response Characteristics

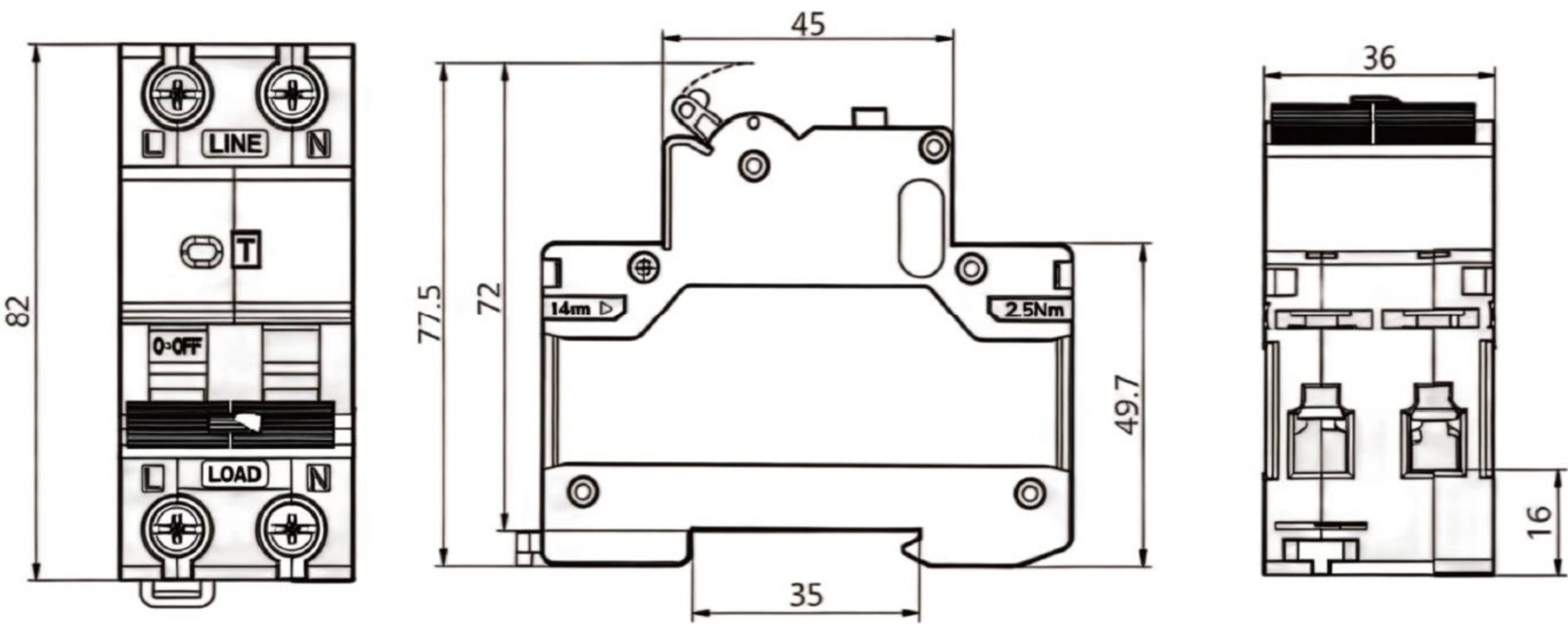
Item	Tripping Curve	Test current In(A)	Initial Status	Time limit for tripping or non-tripping	Expected result	Remarks
a	B/C/D	1.13In	Cold	t ≤ 1 hour (for In ≤ 63 A) t ≤ 2h (for In> 63A)	Non-tripping	Current smoothly rises to specified value within 5s
b	B/C/D	1.45In	Following item a test	t<1h (for In≤63A) t<2h (for In>63A)	Tripping	
c	B/C/D	2.55In	Cold	1s<t<60s (for In ≤ 32A) 1s<t<120s (for 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	
	C	10In				
	D	20In				

Note: Consideration is underway to add testing between points c and d for Type D circuit breakers.

a) The term "cold state" refers to the condition where no load is applied before testing at the reference calibration temperature.

b) For specific occasions, it is 50I_n.

4.Dimensions



5.Specifications

Standard				GB/T 16917.1 and IEC 61009-1
Poles			P	1P+N, 3P+N
Shell and frame grade rating current			A	63
Behaviour of electricity				
Rated operating voltage Ue			VAC	230
Rated current In			A	6, 10, 16, 20, 25, 32, 40, 50, 63
Rated residual operating current I△n			mA	10, 15, 30, 50, 100, 200
Leakage current tripping type				A/AC
Rated insulation voltage Ui			V	500
Rated impulse voltage Uimp			kV	4
Fragmentation type				M
Maximum Fracture Capacity Icn			kA	6
Operation interruption capability Is% Icn				100%
Curve Type				B, C, D
Trip Type				Electronic type
Life length (O-CO)	Machinery	Actual average value		10000
		Standard specified value		2000
	Electrical	Actual average value		6000
		Standard specified value		2000
Control and instruction				
Auxiliary contact				☐
Alarm contact				☐
Shunt release				☐
Under-voltage trip device				☐
Overvoltage trip device				☐
Connection and installation				
Levels of protection	All sides			IP40
	Wiring port			IP20
Handle lock				ON/OFF position
Wiring capability			mm²	1~35
Use ambient temperature			°C	-30~+70
Dampness-heat resistant				Category 2
Height			m	≤2000
Relative air humidity				No more than 95% at +20°C; no more than 50% at +40°C
Class of pollution				3
Installation environment				Where there is no significant vibration or impact
Installation type				Level III
Way to install				DIN standard rail
Weight				-

Note: ☒ Standard setting ☐ Port optional / None