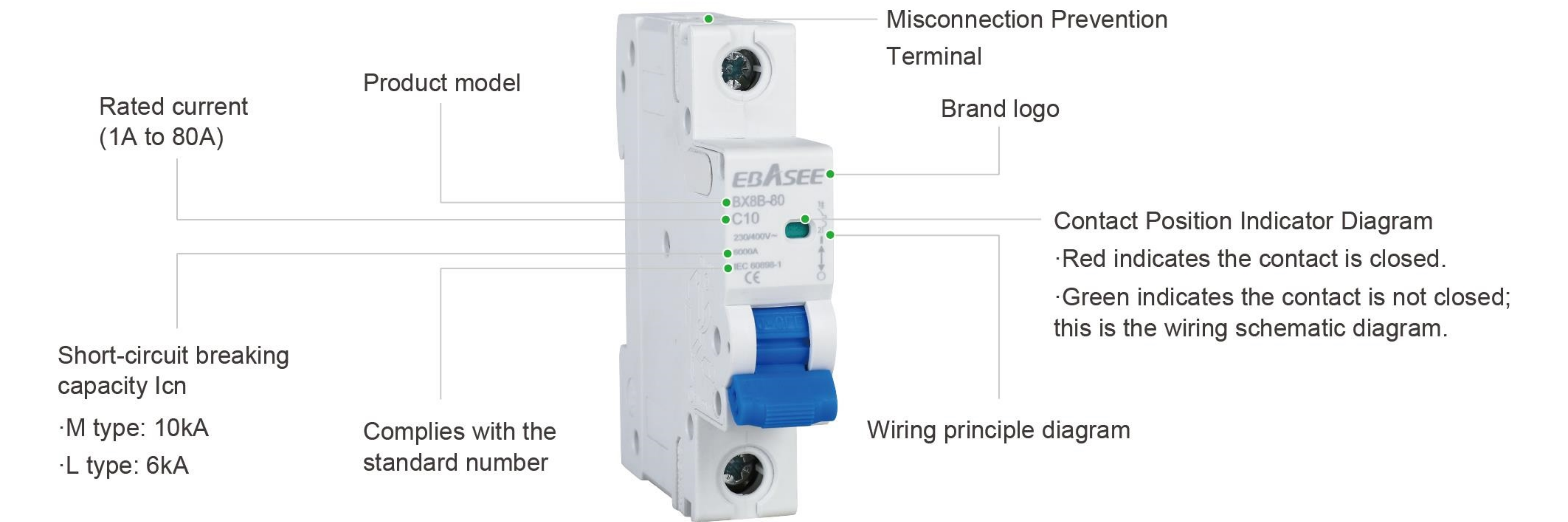
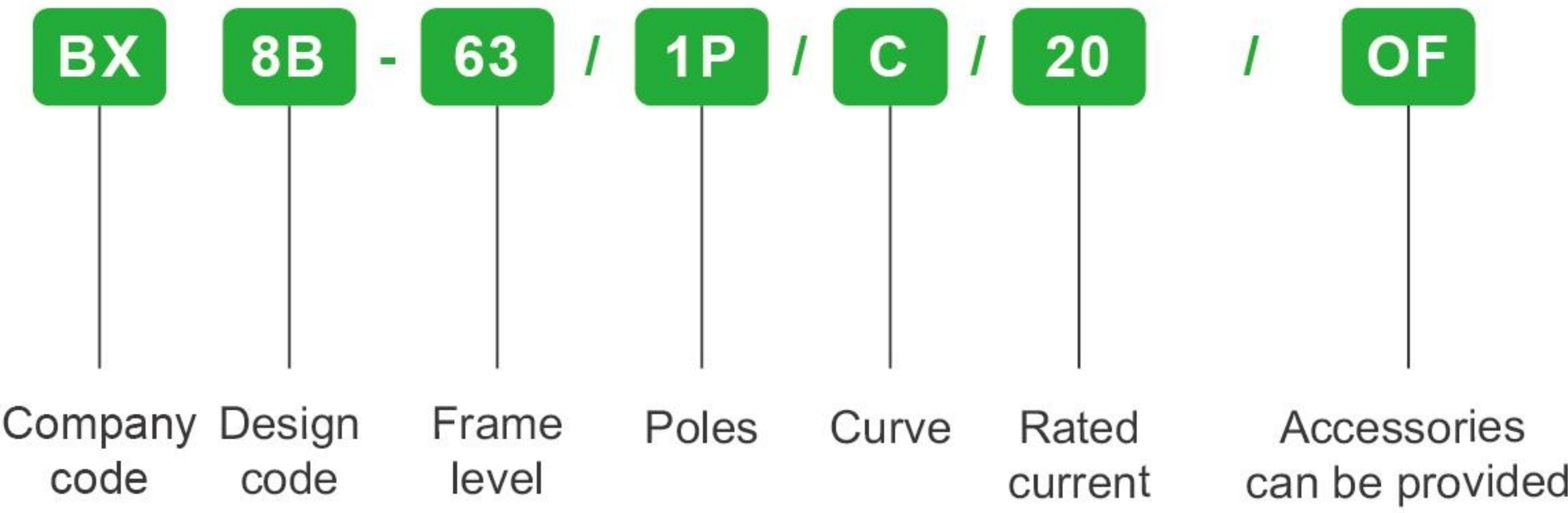


1.General



- High shell rating (18-module 80A), high breaking capacity (15 kA).
- The terminal block features error-proof terminals with contact position indicator windows, offering high adaptability for accessories.
- Both the housing and function keys are made from imported PA nylon- a flame- retardant, high-temperature-resistant, and impact-resistant plastic.
- It features a novel design, rational structure, and is protected by multiple patents.

2.Nomenclature



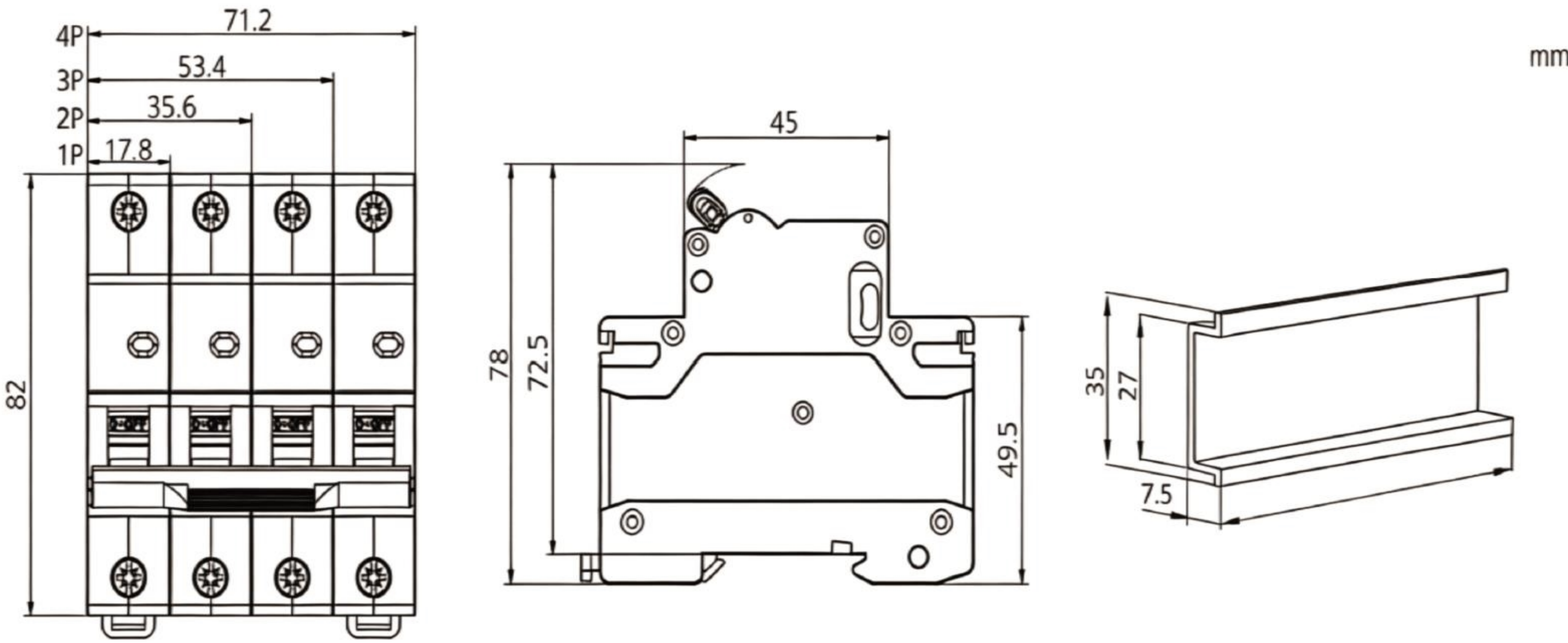
3.Time-Current Response Characteristics

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 50In.

4.Dimensions



5.Specifications

Standard				GB/T 10963.1, IEC 60898-1			
Poles			P	1	2	3	4
Shell and frame grade rating current			A	80			
Behaviour of electricity							
Rated operating voltage Ue			VAC	230/400	230/400	400	400
Rated current In			A	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63, 80			
Rated insulation voltage Ui			V	500			
Rated impulse voltage Uimp			kV	6			
Fragmentation type				L, M			
Maximum fracture capacity Icn			kA	6/10			
Operation interruption capability Is% Icn				100%/75%/50%			
Curve type				B,C,D			
Trip type				Thermomagnetic type			
Life length (O-CO)	Machinery	Actual average value		10000			
		Standard specified value		4000			
	Electrical	Actual average value		6000			
		Standard specified value		4000			
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