1.General

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

2.Nomenclature

EBS 6R - 63 / 2P

- 2P — Poles
- 63 — Frame level
- 6R — Design code
- EBS — Company code

3.Specifications

Type	Standard		IEC/EN 61008-1
Electrical features	Leakage type		Electromagnetic type, Electronic type
	Rated current In	A	16, 25, 40, 63
	Type (wave form of the earth leakage sensed)		A, AC,S
	Poles	P	2,4
	Rated voltage Ue	V	240/415
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity Inc=IΔc	A	6000
	SCPD fuse	A	6000
	Rated impulse withstand voltage (1.2/50) Uimp	V	6000
	Dielectric test voltage at ind. Freq. for 1min	kV	2.5
	Rated sensitivity IΔn	A	0.01, 0.03, 0.1, 0.3
	Rated residual making and breaking capacity IΔm	A	500(In≤40A);630(In＞40A)
	Pollution grade		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	8000
	Protection grade		IP20
	Ambient temperature(with daily average≤35°C)	°C	-25~+40
	Storage temperature	°C	-25~+70
Installation	Terminal connection type		Cable/Pin-type busbar/U-type bar
	Terminal size top/bottom for cable	mm²	25
		AWG	18/3
	Terminal size top/bottom for busbar	mm²	25
		AWG	18/3
	Tightening torque	N*m	2.5
		In-lbs	22
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top and bottom

4.Conductor

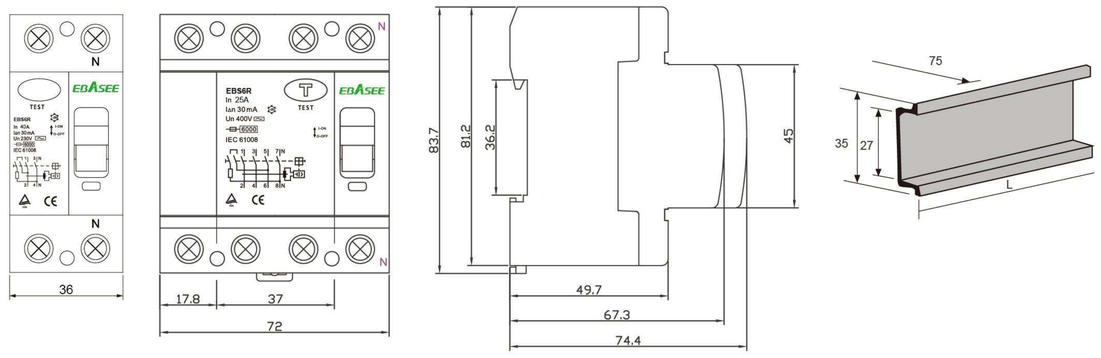
Copper cross-section(mm²)	Rated current In(A)
1	In≤6
1.5	6<In≤13
2.5	13<In≤20
4	20<In≤25
6	25<In≤32
10	32<In≤50
16	50<In≤63

5.Types

Both RCCBs and RCBOs are further divided into types depending on the operating function:

- **Type AC** : For which tripping is ensured for residual sinusoidal alternating currents, whether suddenly applied or slowly rising.
- **Type A** : For which tripping is ensured for residual sinusoidal alternating currents and residual pulsating direct currents, whether suddenly applied or slowly rising.
- **Type S** : For selectivity, with time delay.

6.Dimensions



7.Order Note

Following items should be marked when ordering	Ordering sample
Product name, model & frame level Poles Tripping characteristic and rated current Quantity	To order the EBS6R residual current circuit breaker, frame level 63A, 2P, rated current is 63A, rated residual current is 30mA and quantity is 100 pieces, should be marked: EBS6R-63/2P63/30mA, 100PCS.