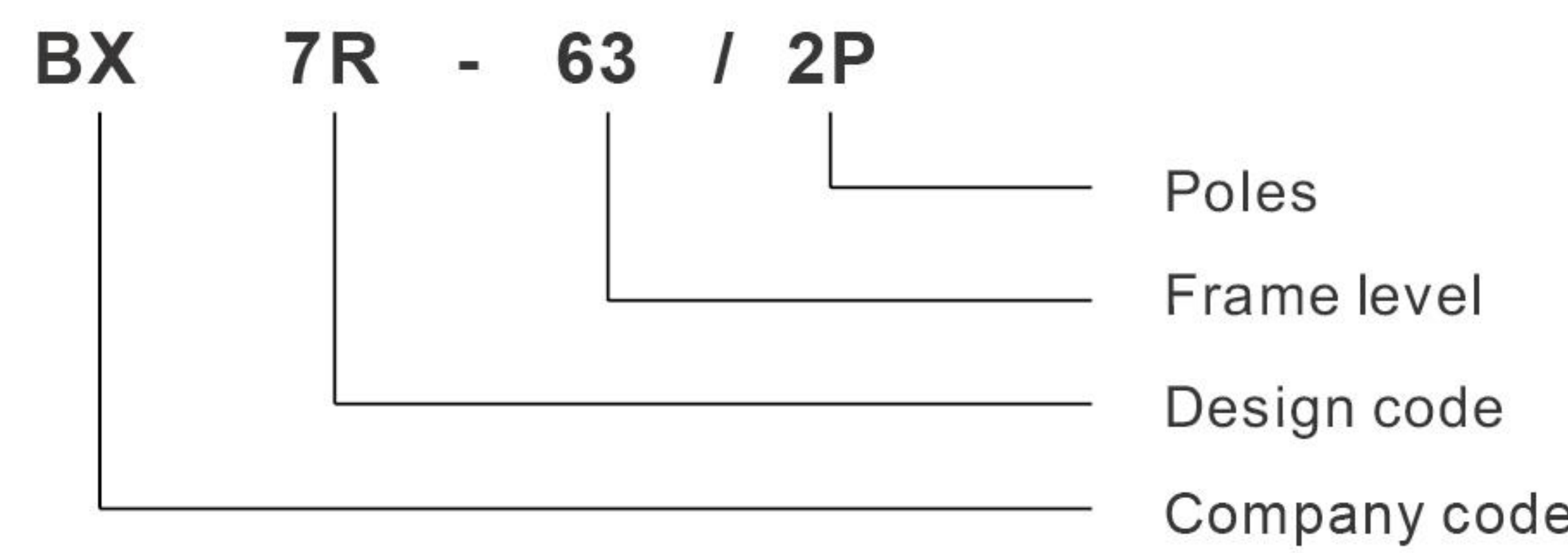




1.Function

- 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



3.Specifications

Type	Standard		IEC/EN 61008-1
Electrical features	Leakage type		Electromagnetic type
	Rated current In	A	16, 20, 25, 32, 40, 50, 63
	Type (wave form of the earth leakage sensed)		A, AC
	Poles	P	1P+N, 3P+N
	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	4000
	Dielectric test voltage at ind. Freq. for 1min	kV	2.5
	Rated sensitivity IΔn	A	0.03, 0.1, 0.3
	Rated residual making and breaking capacity IΔm	A	500(In≤50A);630(In=63A)
	Pollution grade		2
Mechanical features	Electrical life	t	2000
	Mechanical life	t	3000
	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)
4	In=25
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.Order Note

Following items should be marked when ordering	Ordering sample
Product name, model & frame level	To order BX7R-63 residual current circuit breaker, frame lever 63A,
Poles	2P, rated current 25A, rated residual action current is 30mA, quantity
Tripping characteristic and rated current	100 pieces, should be marked:
Quantity	RCCB BX7R-63/2P 25A 30mA, 100PCS.