◉ JCRB2-100 Type B Residual Current Device

1. General

1.1 Function

Control electric circuits.

Protect people against indirect contacts and additional protection against direct contacts.

Protect installations against fire hazard due to insulation faults.

Residual current circuit breakers are used in housing, tertiary sector and industry.

1.2 Selection

Detectable wave form

Type B

Tripping is ensured for sinusoidal AC residual currents pulsed DC residual currents, alternating residual sinusoidal current sup to 1000Hz, pulsating direct residual currents and for smooth direct residual currents, whether applied suddenly or increasing slowly.

Tripping sensitivity

30mA - additional protection against direct contact.

100mA - co-ordinated with the earth system according to the formula I▲n < 50/R, to provide protection against indirectcontacts;300mA - protection against indirect contacts, as well as fire hazard.

Tripping time

Instantaneous

It ensures instantaneous tripping (without time-delay)

1.3 Approvals and certificates

CE, KEMA

1.4 Add-on devices

AX-5 auxiliary contacts

TC-1 terminal cover

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2.Technical data

	Standard		IEC/EN 62423 &EC/EN 61008-1
Electrical features	Type (wave form of the earth leakage sensed)	A	B
	Rated current In		25,40,63
	Poles		1P+N,3P+N
	Rated voltage Ue(V)	V	1P+N:230/240v~; 3P+N:400/415v~;
	Rated sensitivity In	A	0.03,0.1,0.3
	Insulation voltage Ui	V	500
	Rated residual making andbreaking capacity Iam	A	500(In=25A/40A)
			630(In=63A)
	Short-circuit current Inc=IAc	A	10,000
	SCPD fuse	A	10000; 63AgG
	break time under !an	S	≤0.1
	Rated frequency	Hz	50
	Rated impulse withstand voltage(1.2/50) Uimp	V	4000
	Dielectric test voltage at ind. Freq. for 1 min		2.5
	Pollution degree		2
Mechanical features	Electrical life		2, 000
	Mechanical life		10000
	Fault current indicator		Yes
	Protection degree		Ip20
	Ambient temperature (with daily average ≤35℃)		-25...+40
	Storage temperation (℃)		-25...+70
Installation	Terminal connection type		Cable/U-type busbar/Pin-type busbar
	Terminal size top/bottom for cable		25/35
			18-3/18-2
	Terminal size top/bottom for Busbar		10/16
			18-8 /18-5
	Tightening torque		2.5
			22
	Mounting		On DIN rail EN 60715 (35mm)
	Connection		From top and bottom

3.Overall and mounting dimensions(mm)