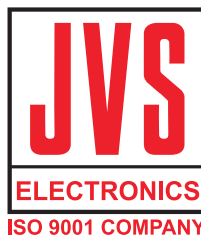




Powering Innovation



PROTECTION + AUTOMATION + CONTROL

THREE POLE, NON-DIRECTIONAL, 3 O/C RELAY WITHOUT INST. HIGHSET JRC 953

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FEATURES

- ♦ Software based design
- ♦ DIP switch settings
- ♦ Choice of four curves
- ♦ Very low burden

APPLICATION

Time graded protection of generators,
Transformers, capacitors etc

TECHNICAL DATA

RATING

RATING	: 1A or 5A
Current rating (In)	: 20 to 60V DC or
Auxiliary Supply	: 80 to 260V AC/DC

CURRENT SETTING (INVERSE TIME)

Over current ($I >$)	: 50 to 200% in steps of 10%
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OPERATING CHARACTERISTICS

Inverse time Characteristics	: 3s Normal inverse
	: 1.3s Normal inverse
	: 1.5s Very inverse
	: 0.8/0.6s Extremely inverse
Time multiplier setting (TMS)	: 0.01 to 1.6 in two ranges
	1st range: 0.01 to 0.32 in steps of 0.01
	2nd range: 0.05 to 1.6 in steps of 0.05

ACCURACY

Operating value	: 105 to 120% of set current
Resetting value	: 80 to 97% of the pickup value
Inverse operating time	: $\pm 5\%$ or $\pm 30\text{ms}$ (which ever is higher)
Reset time	: 200 to 250ms
Over shoot time	: Less than 100ms

BURDEN

Auxiliary circuit	: 3W (Non-operated)
	6W (Operated)
Current input circuit	: 1A-0.05 VA (max) at rated current
	5A- 0.2 VA (max) at rated current

OUTPUT CONTACTS

For JRC 953 : 2N/O contacts

CONTACT RATINGS

For JRC 953 : 5A at 24V DC/230V AC

OVER LOAD RATINGS

Current input : 2 times the rated continuously
20 times the rated for 3s

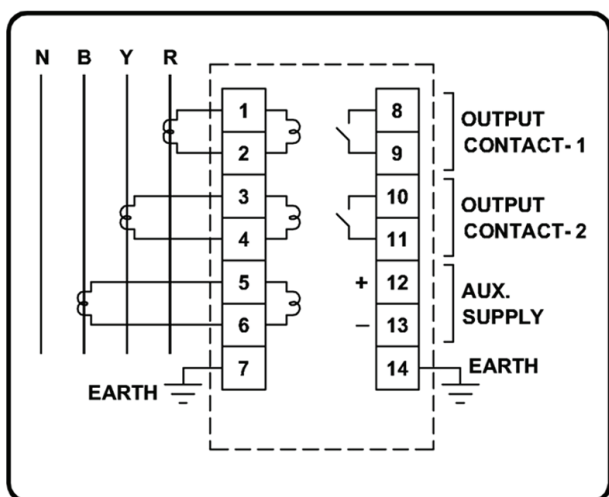
MECHANICAL DESIGN

Weight : 550gms approx.
Case size : 96sqmm, Depth 105mm
Installation : Flush mounting
Panel cutout : 92mm x 92mm

STANDARD COMPLIANCE

Accuracy test : IEC 60255-3
Insulation test : IEC 60255-5
1 MHz HFD test : IEC 60255-22-1

TERMINAL DIAGRAM



ORDERING INFORMATION

Current rating : 1A or 5A
Curve selection : 0.8 or 0.6s Extremely inverse
Relay type : JRC 953 - 3 Pole IDMT Without High set
Auxiliary Supply : 20 to 60V DC or 80 to 260V AC/DC