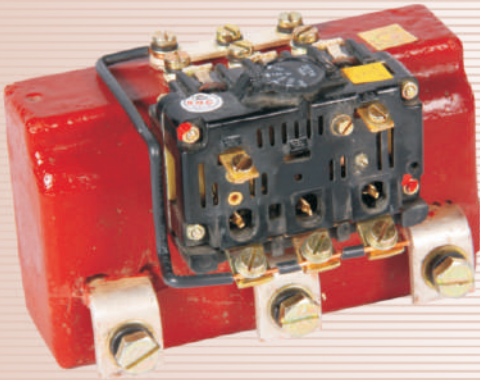




**JSL INDUSTRIES LTD.**

## Thermal Over load Relay



For Reliable and efficient Protection



ISO 9001 : 2015

**TIME TESTED  
TYPE TESTED**

## Thermal Over Load Relay

For reliable and efficient protection of electric motor, JSL provides a range of thermal over load relays type : RB1-33, RB1-63 & SCTR. These are available from 0.6 A upto 200 A in several overlapping ranges. For detail refer below table.

These are triple pole adjustable relays conforming to requirements of IS/IEC 60947-4-1 for trip class 10A. Setting range, in general, is from 60% to 100% of the maximum range current setting.

## Type : RB1-33, RB1-63 & SCTR

It has inverse time current tripping characteristic, which is in line with protection requirements of Motor windings.

It provides protection against overload and locked rotor currents upto 8 times rated current, but for protection against short circuit, backup HRC fuses are required.

All three poles of the relays are individually calibrated and verified to provide protection against overloading in any two phases. The relays have positive tripping on account of overload caused by single phasing or locked rotor.

Relays can be mounted directly on JSL oil immersed contactors.

Selection Table			
Relay Type	Relay range in Amp	Rating of Motor for DOL & Auto transformer starting KW / HP at 415 V AC3	Rating of Motor for Star Delta starting KW / HP at 415 V AC3
RB1-33	1.2 - 2	0.75 / 1	----
	2.4 - 4	1.5 / 2	----
	3.6 - 6	2.2 / 3	3.7 / 5
	6 - 10	3.7 / 5	7.5 / 10
	9 - 15	5.5 / 7.5	11 / 15
	12 - 20	7.5 / 10	15 / 20
	15 - 25	11 / 15	18.5 / 25
	18 - 30	15 / 20	22 / 30
	24 - 40	18.5 / 25	26 / 35
	30 - 46	22 / 30	30 / 40
RB1-63*	40 - 60	26 / 35	37 / 50
	24 - 40	18.5 / 25	30 / 40
	36 - 60	22 / 30	45 / 60
SCTR	48 - 80	30 / 40 & 37.5 / 50	55 / 75
	60 - 100	45 / 60	75 / 100 & 90 / 25
	90 - 150	55 / 75 & 75 / 100	110 / 150 & 130 / 175
	120 - 200	90 / 125	150 / 200

\* Only manual reset available



FOR FURTHER ENQUIRIES  
PLEASE CONTACT

ZONAL & BRANCH OFFICES

**JSL INDUSTRIES LIMITED**  
Village Mogar-388 340  
Tal. & Dist. Anand, (Gujarat) (India)  
Phones : 02692 - 280224  
Mobile : 9824889399  
E-Mail : jsl@jslmogar.com  
Website : www.jslmogar.com

- **Jaipur** : C/7, .Annapurna. B/h. Dundlod House, Shiv Marg, Hawa Sarak, Civil Lines, Jaipur-302 019, TeleFax : 0141-2211575, Mobile : 9352763720, E-mail : jaipur@jslmogar.com
- **Lucknow** : Allia Cottage, opp. Leela Hotel 119/76, Kandhari Bazar, Lucknow-226001(UP). TeleFax:0522-2626393, Mobile : 9335411076, E- mail: lucknow@jslmogar.com
- **Mumbai** : 102, Narsinha Sadan, 1st Road, Golibar, Santacruz (E) Mumbai-400 055. Ph. : 022-26134403, 26122848, Fax : 022-26100717, Mobile : 9322894461, E-mail: mumbai@jslmogar.com
- **Delhi** : 7, Jantar Mantar Road, 1st Floor, New Delhi-110 001, Ph. :011-23340205, Fax : 011-23340457, Mobile : 9868554076, E-mail : delhi@jslmogar.com

In Keeping with the technological strides the world is making in the engineering field, we introduce changes in the design of our products. Hence, the products as actually supplied might have features varying herefrom.