

SLR JH13

HIGH SPEED MASTER TRIP RELAY



The Stelmec make SLR JH13 is an Electromechanical High Speed Tripping Relay used in tripping and signaling circuits of protective relays, where a high degree of reliability & high contact rating is required. It is an instantaneous switching element that is used for contact multiplication of Protection Relays of Circuit Breakers, thereby providing number of simultaneous instantaneous switching operations.

Salient Features

- Robust Electromechanical Design
- Simple and Reliable Construction
- High Speed Operation
- Heavy Duty Contacts
- Hand Reset Contacts
- Flush Panel Mounting

Dimensions

- Overall Dimensions: (H × W × D): (152 × 92 × 104) mm
- Cut Out: (132 × 72 mm) ~

Description

A fast operating, multi-contact, attracted armature relay with a high degree of mechanical stability, Type SLR JH13 has hand-reset contacts and an operating coil cut-off contact.

The control coil of the relay element is wound with super enameled copper wire with a short time thermal rating since the relay has a very fast operation with operating time < 10ms.

A coil cut-off contact (NC contact of same element) with suitable break rating is internally wired in series with the coil. This makes coil energization momentary & disconnects the coil on operation.

The Mechanical interlock operates & Relay remains in lock out position until it is hand reset.

A mechanically operated hand reset type flag, is provided as an operation indicator. WHITE for 'reset' position & RED for 'lock out' indication.

The contacts are designed to have superior contact rating with minimum wear and tear.

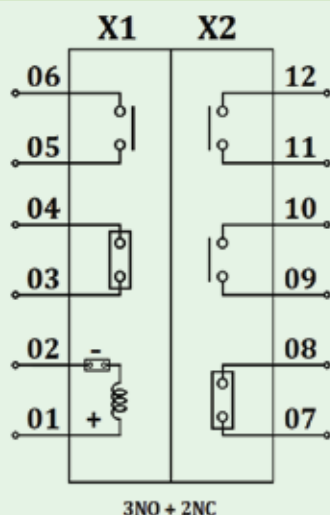
The elements are mounted in compact, non-draw out case, suitable for flush mounting on panels.

Technical Specifications

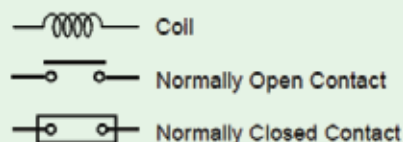
Coil Rating	(24/30/110/220) VDC
Operating Range	50 to 120% of rated voltage
Operating Time	<10 ms at nominal rated voltage
Operational Indicator	Mechanical flag (HR type)
Rated Burden	<11 Watts (Momentary)
Mounting	Flush mounting in panel
Contacts	4NO+1NC or 3NO+2 NC
Ref. Standards	IS 3231, IEC 60255

Contact Ratings:

Make & Carry	Make & Carry for 3 sec.	Break
1250 VA with max. of 5A & 660 Volts	7500 VA with max. of 30A & 660 Volts	1250 VA with max. of 5A & 660 Volts
1250 W with max. of 5A & 660 Volts	7500 W with max. of 30A & 660 Volts	100 W Resistive, 50 W Inductive for 5A / 660V



Typical Terminal Diagram



- There is a continuous effort at Stelmec to keep abreast of latest technology in line with customer requirements and hence the product specifications are subject to change.
- Products described in this catalogue are manufactured and supplied according to Certified Management System ISO 9001:2015.
- Product variants provide different combinations of features / specifications listed above & need not necessarily be a part of single variant.