



## ENERGY AUTOMATION PRODUCTS

# 7PG15

# Tripping products

[siemens.com/reyrolle](https://www.siemens.com/reyrolle)

The Reyrolle 7PG15 range is a versatile set of multi-contact, attracted armature tripping relays designed to perform auxiliary and tripping functions in power distribution networks. Adhering to IEC 255-5 and BS142 standards, the TR type relays guarantee compliance with industry regulations and a fit for various electric supply industry needs. Configurations with up to 20 contacts can be provided, ensuring adaptability for complex system requirements with <10ms operation time.



### Highlights



Robust design for a long, reliable service life



Supplied in a draw-out type case



Consistent positive action

### Benefits

- High-Speed Operation: Ensures swift tripping in response to faults, mitigating potential damage and enhancing system security
- Versatility in Applications: Suitable for a range of auxiliary and tripping functions, making it adaptable to diverse system requirements
- Robust Design: Engineered for a long, reliable service life even in demanding industrial environments, ensuring durability and reliability.

### Low burden, TR series

Type TR1 relays are suitable for application for tripping and auxiliary duties where immunity to capacitance discharge is not required. These relays are not intended for use with current operated series follower relays.

### High burden, TR2 series

High burden relays with immunity to capacitance discharge currents. They are also suitable for certain applications where they are remote from the initiation signal.

A high burden also permits reliable operation of current operated series repeat relays. TR relays can be provided with an instantaneous or time-delayed cut-off.

### Low burden relay, TR312

Designed to meet the requirements of NGC specification P15, this is an electrically reset relay (no flag indicator) with additional terminals in the economy circuit to enable a direct connection to the DC supply.

This arrangement allows a reduction in the break duty of the initiating contact.

### Switching relay, TR431

Designed to meet the requirements of NGC TDM 5/11, this is an electrically reset relay with a flag indicator which follows the contact operation. These relays are intended to switch protection and auto reclose equipment in and out of service when controlled over pilot wires from a remote point. They are intended to operate from a remote DC 50 V battery with a pilot loop resistance of up to 200  $\Omega$ .

### Special purpose relays, TR9 series

This designation identifies TR relays designed to meet a special purpose e.g. TR901 is a high burden repeat relay, a type TR231 with a 2 position flag indicator used as a plant follower relay for circuit breakers and disconnectors.

[➤ Webinar series - Reyrolle essentials](#)

[➤ Catalog Reyrolle 7PG15](#)

[➤ Online shop - Industry Mall](#)

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