SIEMENS



ENERGY AUTOMATION PRODUCTS

7XG22

Test blocks

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The Reyrolle 7XG22 - 2RMLG test block is an advanced, reliable component for comprehensive testing and maintenance within electrical protection systems. This highly versatile test block is specifically designed to facilitate safe and efficient testing, ensuring that protection relays and circuits can be isolated and checked without disrupting the primary power distribution network.



Highlights

Various scheme configurations

7XG222 suitable for vertical or horizontal mounting

Coded test plugs prevent incorrect insertion

Benefits

- Enhanced Safety: Designed to allow for safe testing and isolation of electric circuits without interrupting the power supply, minimizing the risk of accidents
- Operational Efficiency: Facilitates quick and easy testing and maintenance, reducing downtime and improving the reliability of the power distribution network
- Long-term Reliability: Its robust construction ensures a prolonged service life, reducing the need for frequent replacements and lowering operational costs

Hardware Construction

The 2RMLG is a size E2 unit in the Epsilon range of enclosures. The rear terminal block has 28 terminals (14 pairs) each with an M4 screw outlet for the attachment of external wiring, fitted with 'L' shaped pre-insulated ring tongue terminations.

Customized Configurations for Enhanced Safety

The 2RMLG07, 2RMLG08, and 2RMLG09 test blocks are designed with distinctive coding systems to ensure compatibility and prevent incorrect plug insertion, enhancing safety during testing. For instance, the 2RMLG07 only accepts the 2RMLB-R7 Test Plug, and similar exclusive pairings apply to other models within the range. This coding system guarantees that the correct test plug is used, minimizing operational errors and potential hazards.

Safe and Efficient Testing Mechanism

- Each pair of contacts is normally closed, ensuring complete circuit through the test block when protection equipment is in use. Access is via removing the front cover.
- Models like the 2RMLG01 include a metallic probe for opening specific contacts when required.

Advanced Contact Management

- Models without the metallic probe feature, like the 2RMLG02/07/08/09, ensure contacts not carrying current remain closed unless acted upon by a shorter test finger.
- It's crucial that sockets in the test plug corresponding to the current transformer secondary windings are linked before insertion.

Cooperative Connections and Monitoring

- Operation of contacts can be monitored by connecting test equipment to the protection scheme with the even-numbered sockets of the test plug.
- If multiple 2RMLG test blocks are connected to a relay, routing the DC supply through each is recommended to avoid inadvertent operation.

Features of the Test Block

- Finger safe design
- Finger safe test leads
- Retention fixings on test plugs

Webinar series - Reyrolle essentials

Catalog Reyrolle 7XG222

Online shop - Industry Mall

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