

Article Overview

ABB REX640 protection relays are available in two case widths: narrow (5 module slots) and standard (7 module slots), with detailed installation dimensions provided for wall and roof mounting.

Case Sizes and Module Slots

The ABB Relion REX640 relay comes in two physical case widths:

- o Narrow case: accommodates 5 module slots
- o Standard case: accommodates 7 module slots Both case sizes support identical software options and functionality, allowing flexibility in panel design and relay configuration .

Installation Dimensions

For proper installation, ABB provides wall and roof mounting guidelines:

- o Mounting spacing: Ensure adequate clearance around the relay for ventilation, wiring, and maintenance access.
- o Panel cutout: The relay front panel is designed to fit standard cutouts for easy integration into switchgear or control panels.
- o Mounting hardware: Use the recommended screws and brackets specified in ABB installation manuals to secure the relay safely .

Additional Considerations

- o Modular design: The REX640's modular hardware allows for high customization, enabling adaptation to changing protection requirements over the relay's lifecycle .
- o Connectivity: Relays can be connected to local or remote HMIs (LHMI/SHMI) for monitoring and control, which may influence panel layout and spacing .
- o Compliance: The relay is fully compliant with IEC, ANSI, and CN standards, ensuring compatibility with standard switchgear dimensions and mounting practices . For precise height, width, and depth measurements, ABB's official installation manuals or product datasheets should be consulted, as they provide exact millimeter specifications for both narrow and standard cases, including cutout dimensions and recommended clearances. This ensures proper fit and safe operation within electrical panels.

On the other hand, unselective protection operation in the extra high voltage network - i.e. at the national grid

level- may endanger

REF615 is a dedicated feeder IED aligned for the protection, control, measurement and supervision of utility and industrial power

View and Download ABB RED670 product manual online. Line differential protection RED670 2.1 IEC.

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Highlights Contactors and contactor relays guide - AF09 to AF2850 New interactive catalog " Motor protection and control" New ABB

In order to protect motors against short-circuits, it is advisable to use fuses aM in conjunction with the thermal overload relay. The

The document lists over 200 models of relays from manufacturer ABB along with a brief description and document type for each

ABB Relion REX640 protection and control relays are available in two different case widths: a narrow case offering five module slots

As part of the ABB Relion 615 series, it provides comprehensive protection, measurement, and control for

Relion REX640 is a powerful, freely configurable all-in-one protection and control relay for primary distribution. The fully modular

REM610 is a motor protection relay for the protection, measurement and supervision of medium-sized and large asynchronous LV

RET615 is a dedicated transformer protection and control relay for protection, control, measurement and supervision of power

The major requirements on protection relays are speed, sensitiv-ity and selectivity. Fault calculations are used when checking if

ABB offers the most extensive range of electronic timers, measuring and monitoring relays, interface relays and power supplies in the

Feeder protection relay REF615 ANSI Reliability, security, and dependability with Relion® The REF615 is a dedicated feeder relay

ABB Relay Protection Dimensions

73/23/EEC - Low-voltage directive Important Covers for the purpose of shock protection must be applied ! by the user unless already

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