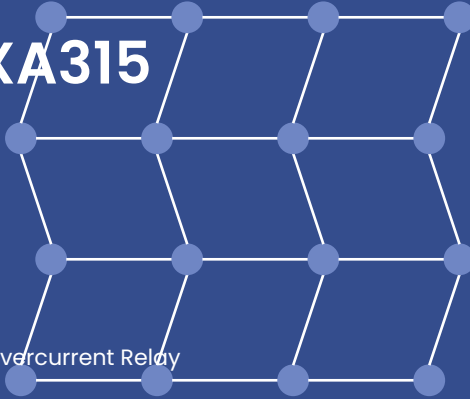


## MANUFACTURER-SOURCE TECHNICAL REFERENCE

# Schneider Electric RM1XA315

## Product Reference

Schneider Electric TeSys RM1 RM1XA315 Single-Pole Magnetic Overcurrent Relay

**DOCUMENT SCOPE**

Independent Apter Power manual compiled only from the cited Schneider Electric manufacturer sources. No product photograph is included.

|                                  |                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------|
| <b>Product / lookup identity</b> | Schneider Electric RM1XA315                                                      |
| <b>Reference number</b>          | RM1XA315                                                                         |
| <b>Document basis</b>            | Published Schneider Electric product records, PDFs, and manuals listed on page 3 |

**Product page**

<https://www.apterpower.com/Schneider-Electric/rm1xa315>

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## Product role and published parameters

### WHAT IT IS, WHAT IT DOES, AND WHERE IT FITS

Schneider Electric RMIXA315 is the exact no-hyphen catalog reference for a TeSys RMI single-pole magnetic overcurrent relay. The relay detects current peaks above the permitted setting and trips instantaneously. System context: Schneider Electric TeSys RMI RMIXA315 Single-Pole Magnetic Overcurrent Relay.

| Published field                        | Manufacturer-published value or verified identity note      |
|----------------------------------------|-------------------------------------------------------------|
| Official reference                     | RMIXA315                                                    |
| Poles and operating principle          | Single-pole electromagnetic overcurrent relay, non-latching |
| Recommended operating range (motor In) | 146...230 A                                                 |
| Trip-current setting range             | 250...800 A                                                 |
| Maximum continuous current             | 315 A AC or DC                                              |
| Maximum rated operational voltage      | 600 V AC or DC                                              |
| Frequency limits                       | 0...60 Hz                                                   |

### System function and signal path

|    |                                                                                                                                                                                                                                                                                                                                                                                                              |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | The relay detects current peaks above the permitted setting and trips instantaneously. It monitors one power-circuit conductor; its trip state can operate the separately ordered RMIZG21 non-latching 1 C/O auxiliary contact block, whose Schneider schemes show 91-92 and 93-94 changeover contact terminals for contactor trip and indication circuits.                                                  |
| 02 | Schneider describes RMIXA relays for circuits that are not normally subject to current peaks, including starter and resistor circuits, and for supervising starting peaks on slip-ring motors. RMIXA315 is not intended for frequent operation: the catalog limits it to 12 operating cycles per hour and states that it can withstand a continuous current equal to 1.25 times the minimum setting current. |
| 03 | The reference remains documented in Schneider's 2022 TeSys overload-relay catalog, but the reviewed official sources do not establish its present sales status or a direct successor. Publication should therefore identify it as a legacy catalog reference requiring nameplate, setting, accessory and application confirmation, and should not merge it with the latching RMIXA315I version.              |

## Applications, answers, and official sources

**1** Starter-circuit peak protection: Instantaneously detects an abnormal current peak in a starter circuit that is not normally subject to current peaks.

**2** Resistor-circuit overcurrent supervision: Protects a resistor circuit where the normal process does not include repeated current peaks.

**3** Slip-ring motor starting-peak control: Supervises the current peak during starting of a slip-ring motor within the cataloged range.

**4** Contactor trip and fault indication: Uses the RMIZG21 changeover contact in the Schneider 2-wire or 3-wire control schemes to drop a contactor and, where engineered, signal a trip.

### Frequently asked questions

|                                                   |                                                                                                                                                                                                     |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| What is Schneider RMIXA315?                       | It is a TeSys RMI single-pole, non-latching electromagnetic overcurrent relay for instantaneous detection of current peaks.                                                                         |
| Is RMI-XA315 the official Schneider reference?    | Schneider's catalog prints the commercial reference as RMIXA315 without a hyphen. A nameplate shown only as RMI-XA315 should be verified before normalization.                                      |
| What current range does RMIXA315 monitor?         | The catalog gives a 250...800 A trip-current setting range, a 146...230 A recommended motor-current range and a 315 A maximum continuous current.                                                   |
| Does RMIXA315 latch after a trip?                 | No. RMIXA315 is the non-latching reference. RMIXA3151 is the separate latching/manual-reset version.                                                                                                |
| Which auxiliary contact block goes with RMIXA315? | Schneider lists RMIZG21, a separately ordered non-latching 1 C/O contact block.                                                                                                                     |
| What signals does the relay provide?              | It senses power-circuit current and mechanically changes the auxiliary contact state on trip. Schneider's schemes show 91-92 and 93-94 changeover paths; no analog or network output is documented. |

### Official Schneider Electric sources

|                                                                                        |                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TeSys Catalogue - 2022 - Chapter B11 - Overload relays TeSys LRK, Deca, Giga, RMI, LT3 | <a href="https://download.schneider-electric.com/files?p_Doc_Ref=B11+-+Overload+relays_EN&amp;p_enDocType=Catalog">https://download.schneider-electric.com/files?p_Doc_Ref=B11+-+Overload+relays_EN&amp;p_enDocType=Catalog</a> |
| Select your local substitution tool                                                    | <a href="https://www.se.com/ww/en/work/support/country-selector/substitution-tool/">https://www.se.com/ww/en/work/support/country-selector/substitution-tool/</a>                                                               |