

# Schneider Electric RM1XA315

## Overcurrent Relay Installation Guide

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.

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



### Product page

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

### Apter Power contact

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## Current sensing and trip-contact path

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.

- |    |                                                                                                                                                                                                                                                                                                                                                                                                              |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.              |

## Current range, contact, and latching boundaries

- |    |                                                                                                                                                                                                                                                 |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | Status: PASS WITH NORMALIZATION - verify the nameplate before publication                                                                                                                                                                       |
| 02 | Required Action: Publish RMIXA315 only after a clear nameplate or packaging label confirms the full reference. If the trailing 'I' is present, treat the unit as RMIXA315I and rebuild the product record as the latching/manual-reset variant. |
| 03 | Confusion To Avoid: Do not combine the non-latching RMIXA315 with the latching RMIXA315I, RMIZH21 contact block or ERIXA2 electrical-reset accessories.                                                                                         |

## Relay installation and trip checks

|    |                                                                                                                                                                                            |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | Read the complete physical reference: RMIXA315 is non-latching, while RMIXA3151 is the latching/manual-reset version.                                                                      |
| 02 | Do not use the 250...800 A trip-setting range as the motor continuous-current range; Schneider separately specifies 146...230 A recommended motor In and 315 A maximum continuous current. |
| 03 | Use the relay only in a circuit whose normal behavior matches Schneider's stated application; repeated normal current peaks can cause unwanted instantaneous trips.                        |
| 04 | Do not exceed 12 operating cycles per hour, and do not describe this relay as suitable for frequent cycling.                                                                               |
| 05 | Order and verify the correct RMIZG21 non-latching 1 C/O contact block; do not fit latching/reset accessories by reference similarity alone.                                                |
| 06 | Confirm conductor routing, trip setting, 91-92/93-94 control logic, contactor behavior, 600 V maximum, ambient limits, altitude and vertical mounting tolerance before energizing.         |

## Identity and release controls

|                    |                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Status             | PASS WITH NORMALIZATION - verify the nameplate before publication                                                                   |
| Confusion To Avoid | Do not combine the non-latching RMIXA315 with the latching RMIXA3151, RMIZH21 contact block or ER1XA2 electrical-reset accessories. |

### Official Schneider Electric sources

|                                                                                        |                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TeSys Catalogue – 2022 – Chapter B11 – Overload relays TeSys LRK, Deca, Giga, RM1, 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>                                                               |