

MOLDED CASE CIRC.BREAKER 3RV1 FOR STARTER  
COMBINATION STANDARD SWITCHING CAPACITY RATED  
CURRENT IN=160A ELECTRONIC RELEASE SHORT-CIRCUIT  
PROTECTION ADJUSTABLE 1-10XLN ICU =120KA AT 400V 3-  
POLE, SCREW TERMINAL INCL. PHASE BARRIERS

|                       |                             |
|-----------------------|-----------------------------|
| Product brand name    | SIRIUS                      |
| Product designation   | molded-case circuit breaker |
| Design of the product | for starter combinations    |

### General technical data

|                                            |         |
|--------------------------------------------|---------|
| Product extension                          |         |
| • Auxiliary switch                         | Yes     |
| Surge voltage resistance rated value       | 8 000 V |
| Protection class IP                        |         |
| • on the front                             | IP20    |
| Mechanical service life (switching cycles) |         |
| • of the main contacts typical             | 20 000  |
| Continuous current rated value             | 160 A   |

### Ambient conditions

|                     |                |
|---------------------|----------------|
| Ambient temperature |                |
| • during operation  | -25 ... +70 °C |
| • during storage    | -40 ... +70 °C |
| • during transport  | -40 ... +70 °C |

### Main circuit

|                                          |        |
|------------------------------------------|--------|
| Number of poles for main current circuit | 3      |
| Operating voltage                        |        |
| • rated value                            | 690 V  |
| • at AC-3 rated value maximum            | 690 V  |
| Operating current                        |        |
| • at AC-3                                |        |
| — at 400 V rated value                   | 160 A  |
| Operating power                          |        |
| • at AC-3                                |        |
| — at 400 V rated value                   | 90 kW  |
| Operating frequency                      |        |
| • at AC-3 maximum                        | 15 1/h |

### Auxiliary circuit

|                       |  |
|-----------------------|--|
| Number of CO contacts |  |
|-----------------------|--|

- for auxiliary contacts

0

## Protective and monitoring functions

|                                                              |        |
|--------------------------------------------------------------|--------|
| <b>Product function</b>                                      |        |
| • Ground fault detection                                     | No     |
| • Phase failure detection                                    | No     |
| <b>Maximum short-circuit current breaking capacity (Icu)</b> |        |
| • at AC at 240 V rated value                                 | 100 kA |
| • at AC at 400 V rated value                                 | 120 kA |
| • at AC at 500 V rated value                                 | 85 kA  |
| • at AC at 690 V rated value                                 | 70 kA  |

## Short-circuit protection

|                                                                    |            |
|--------------------------------------------------------------------|------------|
| <b>Design of the overcurrent release and short-circuit release</b> | electronic |
|--------------------------------------------------------------------|------------|

## Installation/ mounting/ dimensions

|                              |              |
|------------------------------|--------------|
| <b>Mounting position</b>     | any          |
| <b>Mounting type</b>         | screw fixing |
| <b>Height</b>                | 205 mm       |
| <b>Width</b>                 | 105 mm       |
| <b>Depth</b>                 | 103.5 mm     |
| <b>Required spacing</b>      |              |
| • with side-by-side mounting |              |
| — Backwards                  | 0 mm         |
| — at the side                | 0 mm         |

## Connections/Terminals

|                                                                      |                      |
|----------------------------------------------------------------------|----------------------|
| <b>Product function</b>                                              |                      |
| • removable terminal for auxiliary and control circuit               | No                   |
| <b>Type of electrical connection</b>                                 |                      |
| • for main current circuit                                           | screw-type terminals |
| • for auxiliary and control current circuit                          | screw-type terminals |
| <b>Arrangement of electrical connectors for main current circuit</b> | front side           |

## Certificates/approvals

| General Product Approval | Declaration of Conformity | Test Certificates | Marine / Shipping |
|--------------------------|---------------------------|-------------------|-------------------|
|--------------------------|---------------------------|-------------------|-------------------|



[Special Test Certificate](#)



| Marine / Shipping | other |
|-------------------|-------|
|-------------------|-------|



GL



LRS



RINA



RMRS

[Miscellaneous](#)

[Confirmation](#)

| other |
|-------|
|-------|

[Environmental Confirmations](#)



VDE

## Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1363-7CN10>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1363-7CN10>

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1363-7CN10>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RV1363-7CN10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1363-7CN10&lang=en)

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