

MOLDED CASE CIRC.BREAKER 3RV1 FOR  
STARTER COMBINATION STANDARD SWITCHING  
CAPACITY RATED CURRENT IN=400A 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:

|   |   |             |
|---|---|-------------|
| <b>Shock resistance</b>                           |   | 12g / 11 ms |
| <b>Surge voltage resistance Rated value</b>       | V | 8 000       |
| <b>Mechanical service life (switching cycles)</b> |   |             |
| • of the main contacts typical                    |   | 20 000      |
| <b>Protection class IP</b>                        |   |             |
| • on the front                                    |   | IP20        |
| <b>Equipment marking</b>                          |   |             |
| • acc. to DIN EN 61346-2                          |   | Q           |

### Main circuit:

|   |     |     |
|---|-----|-----|
| <b>Number of poles for main current circuit</b> |     | 3   |
| <b>Operating voltage</b>                        |     |     |
| • Rated value                                   | V   | 690 |
| • at AC-3 Rated value maximum                   | V   | 690 |
| <b>Operating current</b>                        |     |     |
| • at AC-3                                       |     |     |
| — at 400 V Rated value                          | A   | 400 |
| <b>Operating power</b>                          |     |     |
| • at AC-3                                       |     |     |
| — at 400 V Rated value                          | kW  | 200 |
| <b>Operating frequency</b>                      |     |     |
| • at AC-3 maximum                               | 1/h | 15  |

### Auxiliary circuit:

|   |  |     |
|---|--|-----|
| <b>Number of CO contacts</b>              |  |     |
| • for auxiliary contacts                  |  | 0   |
| <b>Product expansion Auxiliary switch</b> |  | Yes |

### Protective and monitoring functions:

|  |  |  |
|--|--|--|
| <b>Maximum short-circuit current breaking capacity (Icu)</b> |  |  |
|--|--|--|

- with AC at 240 V Rated value
- with AC at 400 V Rated value
- with AC at 500 V Rated value
- with AC at 690 V Rated value

|    |     |
|----|-----|
| kA | 100 |
| kA | 120 |
| kA | 85  |
| kA | 70  |

#### Short-circuit:

|  |            |
|--|------------|
| <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>  | mm | 205          |
| <b>Width</b>   | mm | 140          |
| <b>Depth</b>   | mm | 103.5        |
| <b>Required spacing</b>  |    |              |
| <ul style="list-style-type: none"> <li>• with side-by-side mounting <ul style="list-style-type: none"> <li>— Backwards</li> <li>— at the side</li> </ul> </li> </ul> | mm | 0            |
|  | mm | 0            |

#### Connections/ Terminals:

|   |  |  |
|---|--|--|
| <b>Type of electrical connection</b>  |  |  |
| <ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for auxiliary and control current circuit</li> </ul> |  | screw-type terminals<br>screw-type terminals |
| <b>Arrangement of electrical connectors for main current circuit</b>  |  | front side                                   |
| <b>Product function</b>   |  |  |
| <ul style="list-style-type: none"> <li>• removable terminal for auxiliary and control circuit</li> </ul>                          |  | No   |

#### Safety related data:

|  |             |
|--|-------------|
| <b>Protection against electrical shock</b> | finger-safe |
|--|-------------|

#### Mechanical data:

|                                    |                        |
|------------------------------------|------------------------|
| <b>Size of the circuit-breaker</b> | <a href="#">3RV1.7</a> |
|------------------------------------|------------------------|

#### Ambient conditions:

|  |    |             |
|--|----|-------------|
| <b>Installation altitude at height above sea level maximum</b>   | m  | 2 000       |
| <b>Ambient temperature</b>   |    |             |
| <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul> | °C | -25 ... +60 |
|  | °C | -40 ... +70 |
|  | °C | -40 ... +70 |

#### Certificates/ approvals:

|                          |                   |                   |
|--------------------------|-------------------|-------------------|
| General Product Approval | Test Certificates | Shipping Approval |
|--------------------------|-------------------|-------------------|



[Special Test Certificate](#)



GL

|                   |       |
|-------------------|-------|
| Shipping Approval | other |
|-------------------|-------|



LRS



RINA



RMRS

[other](#)

[Declaration of Conformity](#)

[Environmental Confirmations](#)

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

[Confirmation](#)



VDE

### Further information

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

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

**Industry Mall (Online ordering system)**

<http://www.siemens.com/industrymall>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RV13737GN10>

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

<http://support.automation.siemens.com/WW/view/en/3RV13737GN10/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3RV13737GN10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RV13737GN10&lang=en)

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