

CIRCUIT-BREAKER, 0.28...0.40A N-RELEASE 5.2 A, SIZE S0,  
MOTOR PROTECTION, CLASS 10, SCREW CONNECTION  
STANDARD BREAKING CAPACITY MULTI-UNIT PACKING  
PACKING = 14 ITEMS

|                       |                      |
|-----------------------|----------------------|
| product brand name    | SIRIUS               |
| Product designation   | circuit breaker      |
| Design of the product | for motor protection |

### General technical data

|  |             |
|--|-------------|
| <b>Product extension</b>   | Yes         |
| <ul style="list-style-type: none"> <li>Auxiliary switch</li> </ul>             |             |
| <b>Power loss [W] total typical</b>  | 5 W         |
| <b>Surge voltage resistance rated value</b>                                    | 6 000 V     |
| <b>Protection class IP</b>   | IP20        |
| <ul style="list-style-type: none"> <li>on the front</li> </ul>                 |             |
| <b>Shock resistance</b>  | 25g / 11 ms |
| <b>Mechanical service life (switching cycles)</b>                              | 100 000     |
| <ul style="list-style-type: none"> <li>of the main contacts typical</li> </ul> |             |

### Ambient conditions

|  |                |
|--|----------------|
| <b>Installation altitude at height above sea level maximum</b>     | 2 000 m        |
| <b>Ambient temperature</b>   |                |
| <ul style="list-style-type: none"> <li>during operation</li> </ul> | -20 ... +60 °C |
| <ul style="list-style-type: none"> <li>during storage</li> </ul>   | -50 ... +80 °C |
| <ul style="list-style-type: none"> <li>during transport</li> </ul> | -50 ... +80 °C |

### Main circuit

|   |                |
|---|----------------|
| <b>Number of poles for main current circuit</b>                                   | 3              |
| <b>Adjustable pick-up value current of the current-dependent overload release</b> | 0.28 ... 0.4 A |
| <b>Operating voltage</b>  |                |
| <ul style="list-style-type: none"> <li>rated value</li> </ul>                     | 690 V          |
| <ul style="list-style-type: none"> <li>at AC-3 rated value maximum</li> </ul>     | 690 V          |
| <b>Operating current</b>  |                |
| <ul style="list-style-type: none"> <li>at AC-3</li> </ul>                         |                |
| <ul style="list-style-type: none"> <li>— at 400 V rated value</li> </ul>          | 0.4 A          |
| <b>Operating power</b>  |                |
| <ul style="list-style-type: none"> <li>at AC-3</li> </ul>                         |                |
| <ul style="list-style-type: none"> <li>— at 400 V rated value</li> </ul>          | 0.09 kW        |
| <b>Operating frequency</b>  |                |

- at AC-3 maximum

15 1/h

#### Auxiliary circuit

##### Number of CO contacts

- for auxiliary contacts

0

#### Protective and monitoring functions

##### Trip class

CLASS 10

##### Maximum short-circuit current breaking capacity (I<sub>cu</sub>)

- at AC at 240 V rated value
- at AC at 400 V rated value
- at AC at 500 V rated value
- at AC at 690 V rated value

100 kA

100 kA

100 kA

100 kA

#### Short-circuit protection

##### Design of the overcurrent release and short-circuit release

thermomagnetic

#### Installation/ mounting/ dimensions

##### Mounting position

any

##### Mounting type

screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022

##### Height

97 mm

##### Width

45 mm

##### Depth

96 mm

##### Required spacing

- with side-by-side mounting
  - Backwards
  - at the side

0 mm

0 mm

#### Connections/Terminals

##### Product function

- removable terminal for auxiliary and control circuit

No

##### Type of electrical connection

- for main current circuit
- for auxiliary and control current circuit

screw-type terminals

screw-type terminals

##### Arrangement of electrical connectors for main current circuit

front side

##### Type of connectable conductor cross-sections

- for main contacts
  - solid
  - stranded
  - finely stranded with core end processing
- at AWG conductors for main contacts

2x (1 ... 2.5 mm<sup>2</sup>), 2x (2.5 ... 6 mm<sup>2</sup>)

2x (1 ... 2.5 mm<sup>2</sup>), 2x (2.5 ... 6 mm<sup>2</sup>)

2x (1 ... 2.5 mm<sup>2</sup>), 2x (2.5 ... 6 mm<sup>2</sup>)

2x (14 ... 10)

## Certificates/approvals

### General Product Approval

### For use in hazardous locations



CCC



CSA



UL



ATEX



IECEX

### Declaration of Conformity

### Test Certificates

### Shipping Approval

### other



EG-Konf.

[spezielle Prüfbescheinigungen](#)



ABS



LRS



RMRS

[Bestätigungen](#)

### other

[Umweltbestätigung](#)

[sonstig](#)



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=3RV1021-0EA10-Z W97>

### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1021-0EA10-Z W97>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1021-0EA10-Z W97>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RV1021-0EA10-Z W97&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1021-0EA10-Z W97&lang=en)

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