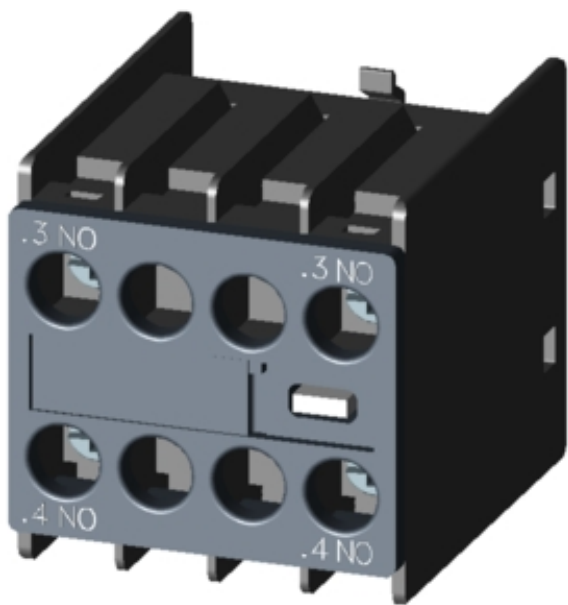




SOLID-STATE COMP. AUX. SW BL.FR 2NO,  
CURR.PATH: 1NO,--,--,1NO,  
F. CONT. RELAYS A. MOTOR CONT.,  
SZ S00 AND S0,  
SCREW TERMINAL .3 / .4,-- / --,-- / --,.3 / .4

| General technical data:                                             |    |                                                                                   |
|---------------------------------------------------------------------|----|-----------------------------------------------------------------------------------|
| product brand name                                                  |    | SIRIUS                                                                            |
| Acceptability for application                                       |    | Contactor relay and power contactor                                               |
| Protection class IP / on the front                                  |    | IP20                                                                              |
| Ambient temperature                                                 |    |                                                                                   |
| • during storage                                                    | °C | -55 ... +80                                                                       |
| • during operating                                                  | °C | -25 ... +60                                                                       |
| Mechanical operating cycles as operating time                       |    |                                                                                   |
| • typical                                                           |    | 10,000,000                                                                        |
| Electrical operating cycles as operating time / at AC-15 / at 230 V |    |                                                                                   |
| • typical                                                           |    | 200,000                                                                           |
| Contact reliability                                                 |    | one incorrect switching operation of 100 million switching operations (5 V, 1 mA) |
| Contact reliability / of the auxiliary contacts                     |    | one incorrect switching operation of 100 million switching operations (5 V, 1 mA) |
| Insulation voltage / with degree of pollution 3                     |    |                                                                                   |
| • rated value                                                       | V  | 690                                                                               |
| Impulse voltage resistance                                          |    |                                                                                   |
| • rated value                                                       | kV | 6                                                                                 |
| Auxiliary circuit:                                                  |    |                                                                                   |

|                                                                                                                                     |   |     |
|-------------------------------------------------------------------------------------------------------------------------------------|---|-----|
| <b>Number of NC contacts / for auxiliary contacts</b><br>• instantaneous switching<br>• lagging switching                           |   | 0   |
|                                                                                                                                     |   | 0   |
| <b>Number of NO contacts / for auxiliary contacts</b><br>• instantaneous switching<br>• leading switching                           |   | 2   |
|                                                                                                                                     |   | 0   |
| <b>Operating current / of the auxiliary contacts / at AC-12</b><br>• at 24 V<br>• at 230 V<br>• at 400 V<br>• at 690 V<br>• maximum | A | 0.3 |
|                                                                                                                                     | A | 0   |
|                                                                                                                                     | A | 0   |
|                                                                                                                                     | A | 0   |
|                                                                                                                                     | A | 0.3 |
|                                                                                                                                     |   |     |
| <b>Operating current / of the auxiliary contacts / at AC-14</b><br>• at 125 V<br>• at 250 V                                         | A | 0   |
|                                                                                                                                     | A | 0   |
| <b>Operating current / of the auxiliary contacts / at AC-15</b><br>• at 24 V<br>• at 230 V<br>• at 690 V<br>• at 400 V              | A | 0.3 |
|                                                                                                                                     | A | 0   |
|                                                                                                                                     | A | 0   |
|                                                                                                                                     | A | 0   |
|                                                                                                                                     |   |     |
| <b>Operating current</b><br>• of the auxiliary contacts / at DC-13<br>• at 24 V<br>• at 60 V<br>• at 110 V<br>• at 220 V            | A | 0.3 |
|                                                                                                                                     | A | 0.3 |
|                                                                                                                                     | A | 0   |
|                                                                                                                                     | A | 0   |
|                                                                                                                                     |   |     |

#### Installation/mounting/dimensions:

|                         |    |                  |
|-------------------------|----|------------------|
| <b>Type of mounting</b> |    | snap-on mounting |
| <b>Width</b>            | mm | 36               |
| <b>Height</b>           | mm | 37.5             |
| <b>Depth</b>            | mm | 43.7             |

#### Connections:

|                                                                                                                    |  |                                             |
|--------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------|
| <b>Design of the electrical connection</b><br>• for auxiliary and control current circuit                          |  | screw-type terminals                        |
|                                                                                                                    |  |                                             |
| <b>Type of the connectable conductor cross-section</b><br>• for auxiliary contacts<br>• solid<br>• finely stranded |  | 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) |
|                                                                                                                    |  |                                             |
|                                                                                                                    |  |                                             |

- with conductor end processing
- for AWG conductors / for auxiliary contacts

2x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.75 ... 2.5 mm<sup>2</sup>)  
2x (20 ... 16), 2x (18 ... 14)

#### Safety-related Parameter:

Product function / mirror contact to IEC 60947-4-1

- comment

Yes

with 3RT2.2

Product function / positively driven operation to IEC 60947-5-1

No

#### Certificates/approvals:

##### General Product Approval

##### Declaration of Conformity



CCC



CSA



GOST



UL



EG-Konf.

##### Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

##### Shipping Approval



ABS



BUREAU  
VERITAS



DNV



GL



LRS



PRS

##### Shipping Approval

##### other



RINA



RMRS



VDE

#### Further information:

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

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

Industry Mall (Online ordering system)

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

Cax online generator:

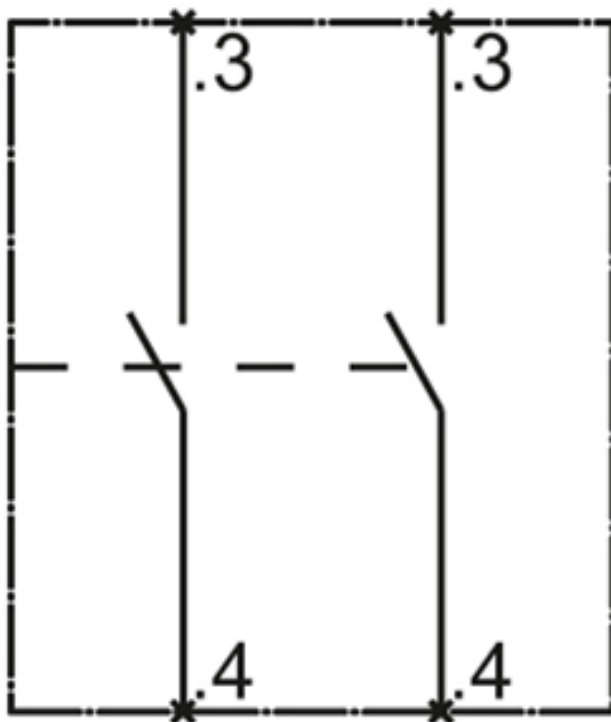
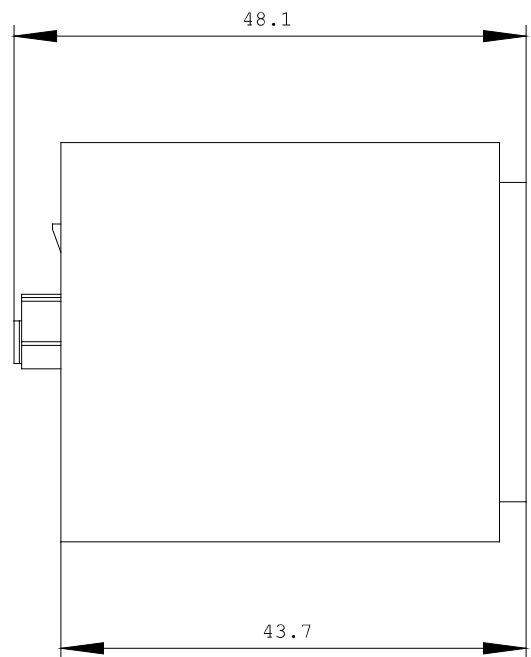
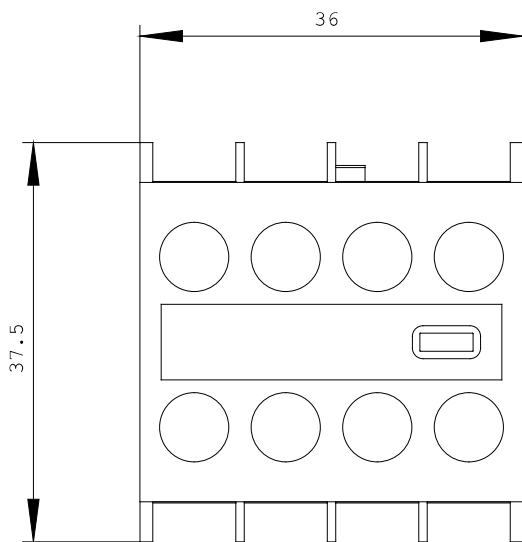
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RH2911-1NF20/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RH2911-1NF20](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RH2911-1NF20)



last change:

Feb 4, 2013