

LATERAL AUX.SWITCH BLOCK,SIDE, 2NC,  
CURR.PATH: 1NC, 1NC,  
FOR MOTOR CONTACTORS, SZ S00,  
SCREW TERMINAL R: 21/22,  
31/32 L: 41/42, 51/52

### 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 (17 V, 1 mA) |
| Contact reliability / of the auxiliary contacts                     |    | 1 faulty switching per 100 million (17 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                                                                                                                                                                                                                                                                                                                                                          |   | 2    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   | 0    |
| <b>Number of NO contacts / for auxiliary contacts</b><br>• instantaneous switching<br>• leading switching                                                                                                                                                                                                                                                                                                                                                          |   | 0    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   | 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 | 10   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 10   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 10   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 10   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 10   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 10   |
| <b>Operating current / of the auxiliary contacts / at AC-14</b><br>• at 125 V<br>• at 250 V                                                                                                                                                                                                                                                                                                                                                                        | A | 6    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 6    |
| <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 | 6    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 6    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 1    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 3    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |      |
| <b>Operating current</b><br>• with 2 current paths in series / at DC-12<br>• at 24 V / rated value<br>• at 60 V / rated value<br>• at 110 V / rated value<br>• at 220 V / rated value<br>• at 440 V / rated value<br>• at 600 V / rated value<br>• with 3 current paths in series / at DC-12<br>• at 24 V / rated value<br>• at 60 V / rated value<br>• at 110 V / rated value<br>• at 220 V / rated value<br>• at 440 V / rated value<br>• at 600 V / rated value | A | 10   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 10   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 4    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 2    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 1.3  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 0.65 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 10   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 10   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 10   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 3.6  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 2.5  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 1.8  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |      |
| <b>Operating current</b><br>• of the auxiliary contacts / at DC-13<br>• at 24 V<br>• at 60 V<br>• at 110 V                                                                                                                                                                                                                                                                                                                                                         | A | 6    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 2    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A | 1    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |      |

- at 220 V
- with 2 current paths in series / at DC-13
  - at 24 V / rated value
  - at 60 V / rated value
  - at 110 V / rated value
  - at 220 V / rated value
  - at 440 V / rated value
  - at 600 V / rated value
- with 3 current paths in series / at DC-13
  - at 24 V / rated value
  - at 60 V / rated value
  - at 110 V / rated value
  - at 220 V / rated value
  - at 440 V / rated value
  - at 600 V / rated value

|   |      |
|---|------|
| A | 0.3  |
| A | 10   |
| A | 3.5  |
| A | 1.3  |
| A | 0.9  |
| A | 0.2  |
| A | 0.1  |
| A | 10   |
| A | 4.7  |
| A | 3    |
| A | 1.2  |
| A | 0.5  |
| A | 0.26 |

#### Installation/mounting/dimensions:

|                         |    |                  |
|-------------------------|----|------------------|
| <b>Type of mounting</b> |    | snap-on mounting |
| <b>Width</b>            | mm | 10               |
| <b>Height</b>           | mm | 57.4             |
| <b>Depth</b>            | mm | 66               |

#### Connections:

##### Design of the electrical connection

- for auxiliary and control current circuit

screw-type terminals

##### Type of the connectable conductor cross-section

- for auxiliary contacts
  - solid
  - finely stranded
    - 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 (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

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

No

#### Certificates/approvals:

## General Product Approval



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:**

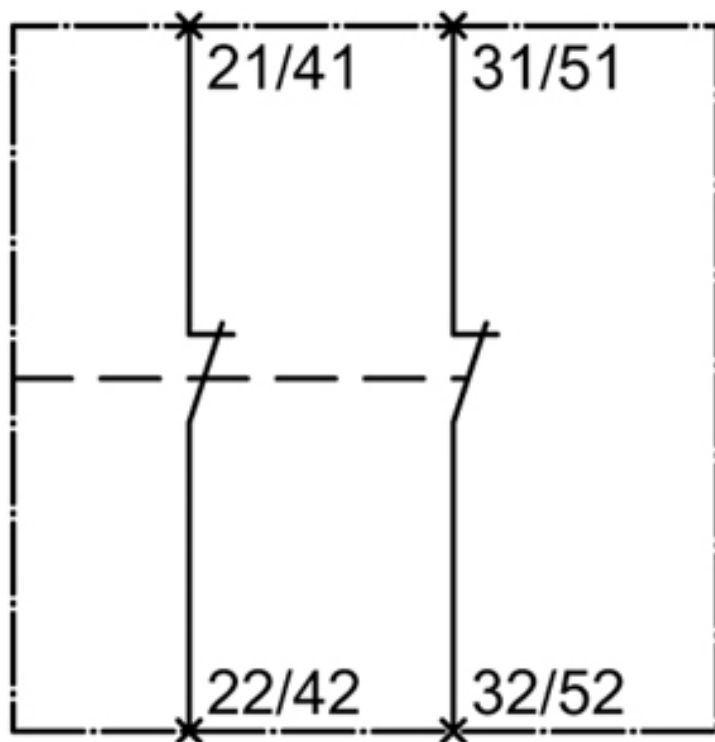
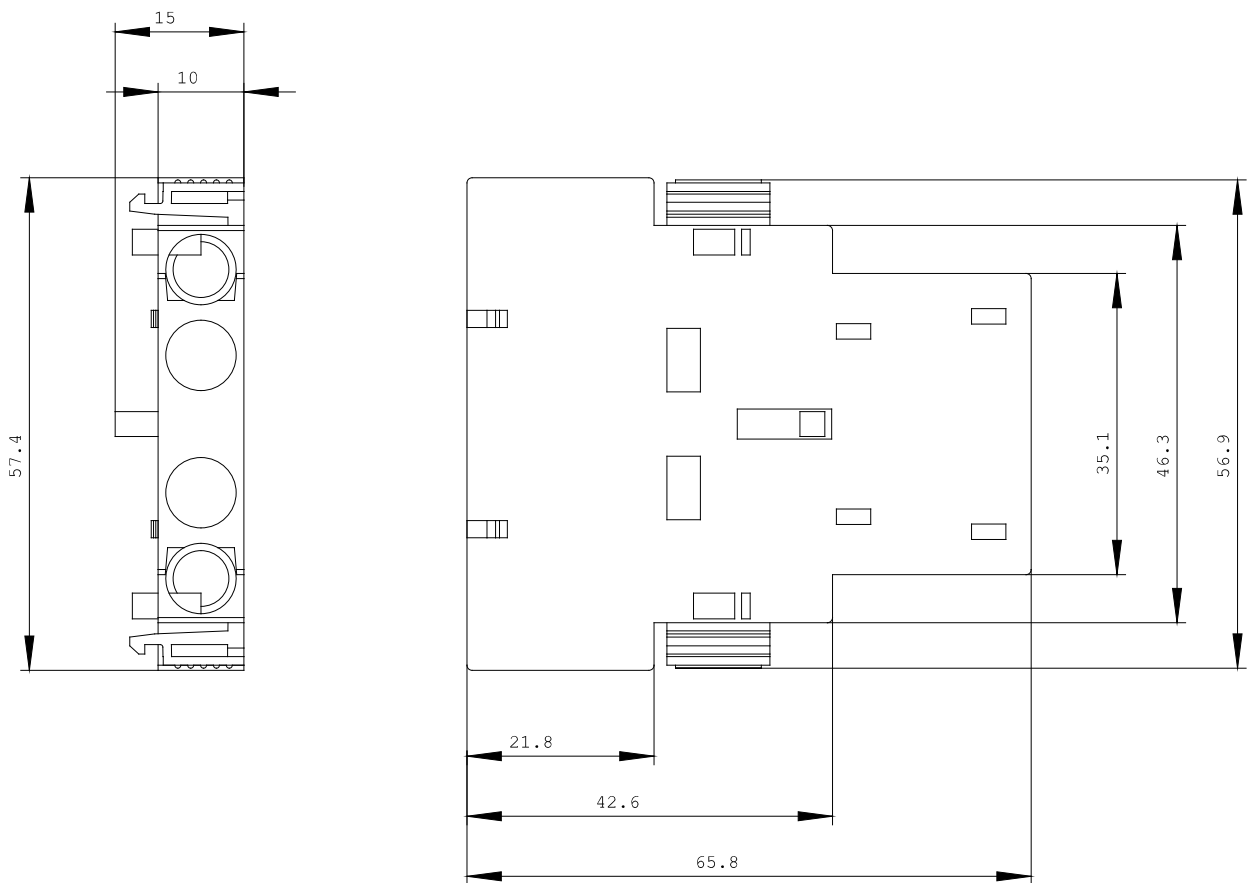
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RH2911-1DA02/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RH2911-1DA02](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RH2911-1DA02)



last change:

Feb 4, 2013