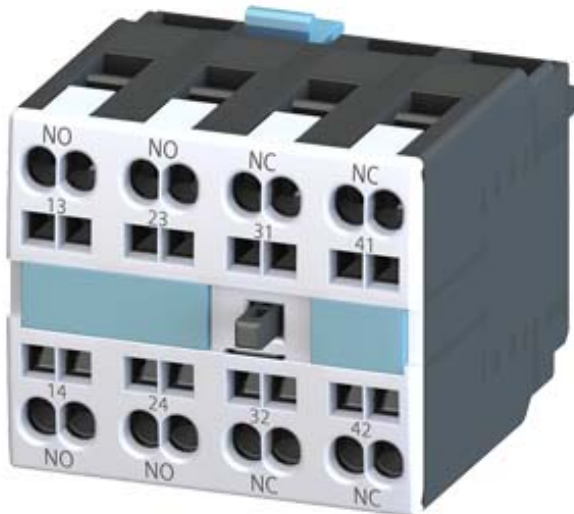


Auxiliary switch block, 2 NO + 2 NC, EN 50005 Spring type, size S0  
 ... S12 for contactor relays and motor contactors ! Phased-out product! Successor is SIRIUS 3RH2



### General technical data

|  |   |
|--|---|
| <b>Product brand name</b>  | SIRIUS  |
| <b>Suitability for use</b>   | Contactor relay and power contactor             |
| <b>Protection class IP on the front</b>                                  | IP20  |
| <b>Ambient temperature</b>   |   |
| • during storage   | -55 ... +80 °C                                  |
| • during operation   | -25 ... +60 °C                                  |
| <b>Mechanical service life (switching cycles) typical</b>                | 10 000 000                                      |
| <b>Electrical endurance (switching cycles) at AC-15 at 230 V typical</b> | 200 000   |
| <b>Contact reliability of auxiliary contacts</b>                         | 1 faulty switching per 100 million (17 V, 1 mA) |
| <b>Insulation voltage with degree of pollution 3 at AC rated value</b>   | 690 V   |
| <b>Surge voltage resistance rated value</b>                              | 6 kV  |

### Auxiliary circuit

|   |   |
|---|---|
| <b>Number of NC contacts for auxiliary contacts</b> |   |
| • instantaneous contact                             | 2 |
| <b>Number of NO contacts for auxiliary contacts</b> |   |
| • instantaneous contact                             | 2 |

|   |        |
|---|--------|
| <b>Operating current of auxiliary contacts at AC-12</b> |        |
| • at 24 V   | 10 A   |
| • at 230 V  | 10 A   |
| • maximum   | 10 A   |
| <b>Operating current</b>                                |        |
| • of auxiliary contacts                                 |        |
| — at AC-14  |        |
| — at 125 V  | 6 A    |
| — at 250 V  | 6 A    |
| — at AC-15  |        |
| — at 24 V   | 6 A    |
| — at 230 V  | 6 A    |
| — at 400 V  | 3 A    |
| • at AC-15 at 690 V rated value                         | 1 A    |
| <b>Operating current</b>                                |        |
| • of auxiliary contacts at DC-12                        |        |
| — at 24 V   | 10 A   |
| — at 110 V  | 3 A    |
| — at 220 V  | 1 A    |
| • with 2 current paths in series at DC-12               |        |
| — at 24 V rated value                                   | 10 A   |
| — at 60 V rated value                                   | 10 A   |
| — at 110 V rated value                                  | 4 A    |
| — at 220 V rated value                                  | 2 A    |
| — at 440 V rated value                                  | 1.3 A  |
| — at 600 V rated value                                  | 0.65 A |
| • with 3 current paths in series at DC-12               |        |
| — at 24 V rated value                                   | 10 A   |
| — at 60 V rated value                                   | 10 A   |
| — at 110 V rated value                                  | 10 A   |
| — at 220 V rated value                                  | 3.6 A  |
| — at 440 V rated value                                  | 2.5 A  |
| — at 600 V rated value                                  | 1.8 A  |
| <b>Operating current</b>                                |        |
| • of auxiliary contacts at DC-13                        |        |
| — at 24 V   | 6 A    |
| — at 60 V   | 2 A    |
| — at 110 V  | 1 A    |
| — at 220 V  | 0.3 A  |
| • with 2 current paths in series at DC-13               |        |
| — at 24 V rated value                                   | 10 A   |

|   |        |
|---|--------|
| — at 60 V rated value                     | 3.5 A  |
| — at 110 V rated value                    | 1.3 A  |
| — at 220 V rated value                    | 0.9 A  |
| — at 440 V rated value                    | 0.2 A  |
| — at 600 V rated value                    | 0.1 A  |
| • with 3 current paths in series at DC-13 |        |
| — at 24 V rated value                     | 10 A   |
| — at 60 V rated value                     | 4.7 A  |
| — at 110 V rated value                    | 3 A    |
| — at 220 V rated value                    | 1.2 A  |
| — at 440 V rated value                    | 0.5 A  |
| — at 600 V rated value                    | 0.26 A |

#### Installation/ mounting/ dimensions

|                      |                  |
|----------------------|------------------|
| <b>Mounting type</b> | snap-on mounting |
| <b>Width</b>         | 44 mm            |
| <b>Height</b>        | 38 mm            |
| <b>Depth</b>         | 51 mm            |

#### Connections/ Terminals

|  |                                   |
|--|-----------------------------------|
| <b>Type of electrical connection for auxiliary and control current circuit</b> | spring-loaded terminals           |
| <b>Type of connectable conductor cross-sections</b>                            |                                   |
| • for auxiliary contacts   |                                   |
| — finely stranded  |                                   |
| — with core end processing   | 2x (0.5 ... 1.5 mm <sup>2</sup> ) |
| — without core end processing  | 2x (0.5 ... 2.5 mm <sup>2</sup> ) |
| • at AWG conductors for auxiliary contacts                                     | 2x (20 ... 14)                    |

#### Safety related data

|   |           |
|---|-----------|
| <b>Product function Mirror contact acc. to IEC 60947-4-1</b>              | Yes       |
| • <b>Note</b>   | with 3RT1 |
| <b>Product function positively driven operation acc. to IEC 60947-5-1</b> | No        |

#### Certificates/ approvals

|                          |                                       |
|--------------------------|---------------------------------------|
| General Product Approval | Functional Safety/Safety of Machinery |
|--------------------------|---------------------------------------|



[KC](#)



[Type Examination Certificate](#)

|                           |                   |                   |
|---------------------------|-------------------|-------------------|
| Declaration of Conformity | Test Certificates | Shipping Approval |
|---------------------------|-------------------|-------------------|



[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



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



[Confirmation](#)

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

Further information

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

<https://www.siemens.com/ic10>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH1921-2FA22>

**Cax online generator**

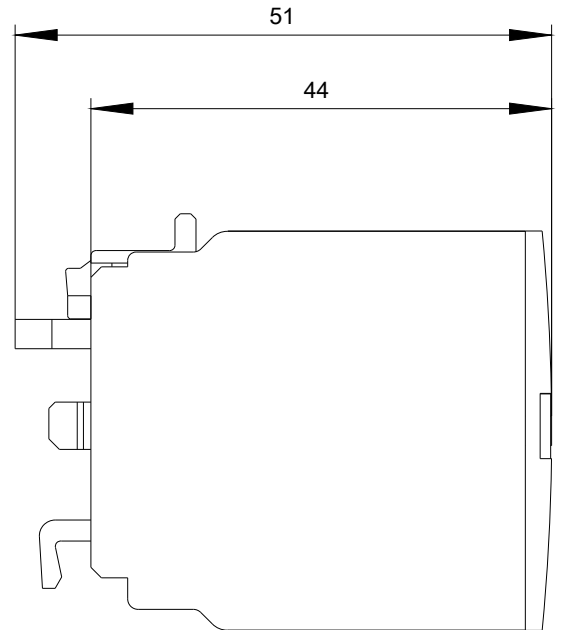
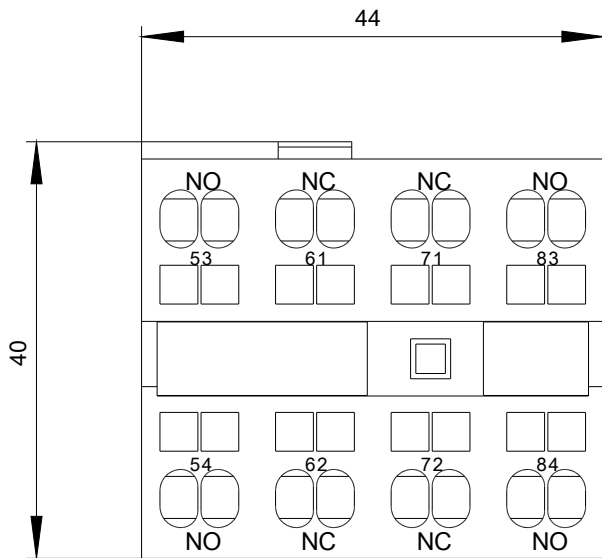
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1921-2FA22>

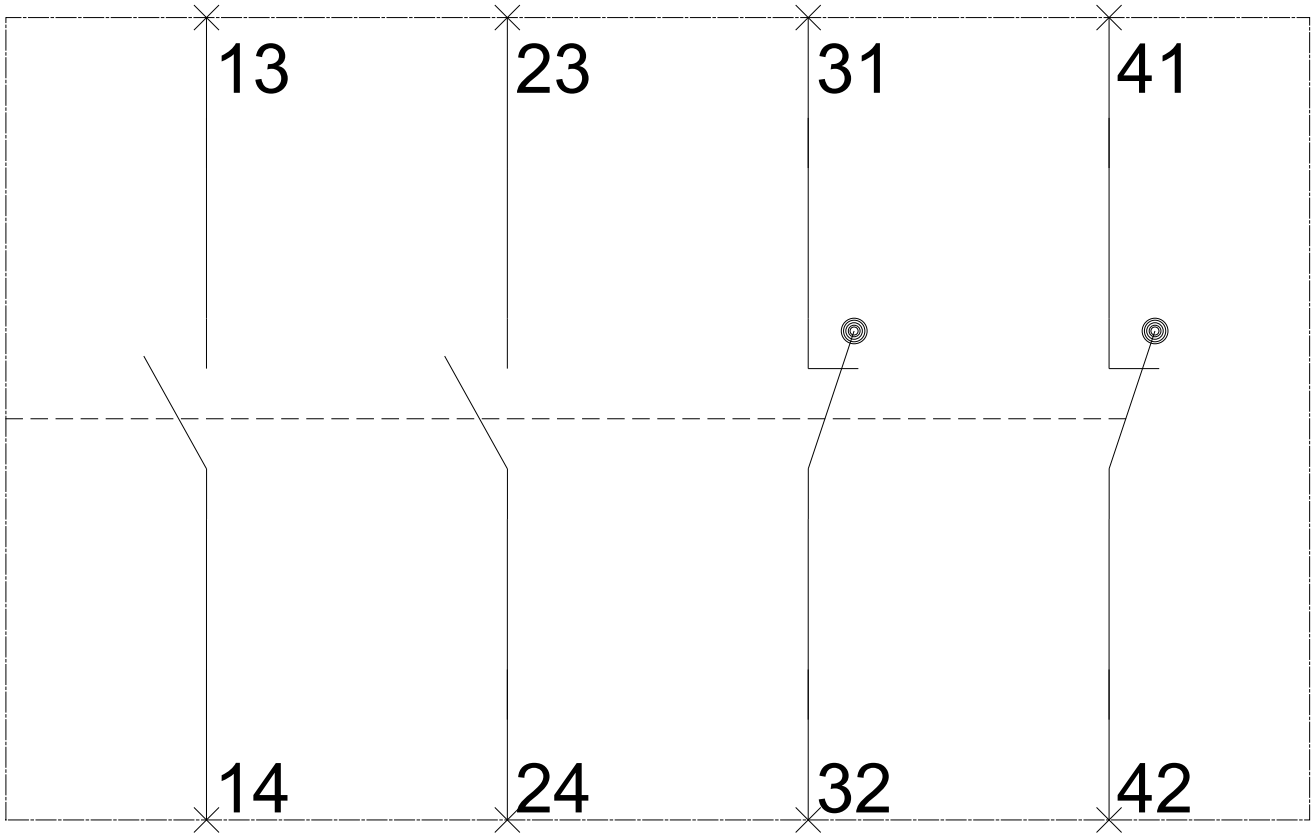
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1921-2FA22>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH1921-2FA22&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH1921-2FA22&lang=en)





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