

ELECTRONICS COMPAT. AUX. SWITCH DIN EN 50005, 1NO+1NC (ENCLOSED) A.1NO+1NC (NON-ENCLOSED) SIZE S0...S3



Figure similar

| General technical data                                    |                                                                                    |
|-----------------------------------------------------------|------------------------------------------------------------------------------------|
| product brandname                                         | SIRIUS                                                                             |
| Suitability for use                                       | Contactor relay and power contactor                                                |
| Protection class IP on the front                          | IP20                                                                               |
| Ambient temperature                                       |                                                                                    |
| • during storage                                          | -55 ... +80 °C                                                                     |
| • during operation                                        | -25 ... +60 °C                                                                     |
| Mechanical service life (switching cycles) typical        | 10 000 000                                                                         |
| Contact reliability                                       | one incorrect switching operation of 100 million switching operations (17 V, 5 mA) |
| Contact reliability of auxiliary contacts                 | 1 faulty switching per 100 million (17 V, 1 mA)                                    |
| Insulation voltage with degree of pollution 3 rated value | 690 V                                                                              |
| Surge voltage resistance rated value                      | 6 kV                                                                               |
| Auxiliary circuit                                         |                                                                                    |
| Number of NC contacts for auxiliary contacts              |                                                                                    |
| • instantaneous contact                                   | 2                                                                                  |

|                                                     |       |
|-----------------------------------------------------|-------|
| <b>Number of NO contacts for auxiliary contacts</b> |       |
| • instantaneous contact                             | 2     |
| <b>Operating current</b>                            |       |
| • of auxiliary contacts at DC-13                    |       |
| — at 24 V                                           | 0.3 A |
| — at 60 V                                           | 0.3 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> | screw-type 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> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ) |
| • at AWG conductors for auxiliary contacts                                     | 2x (20 ... 16), 2x (18 ... 14)                                        |

| Safety related data                                                       |           |
|---------------------------------------------------------------------------|-----------|
| <b>Product function Mirror contact acc. to IEC 60947-4-1</b>              | Yes       |
| • Note                                                                    | 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 | Declaration of Conformity |
|--------------------------|---------------------------------------|---------------------------|
|--------------------------|---------------------------------------|---------------------------|



[Baumusterbescheinigung](#)



| Test Certificates | Shipping Approval | other |
|-------------------|-------------------|-------|
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[Bestätigungen](#)

#### 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=3RH1921-1FE22>

**Cax online generator**

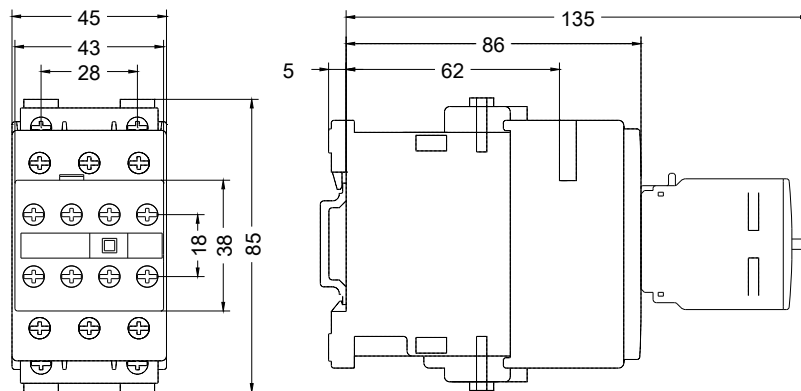
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1921-1FE22>

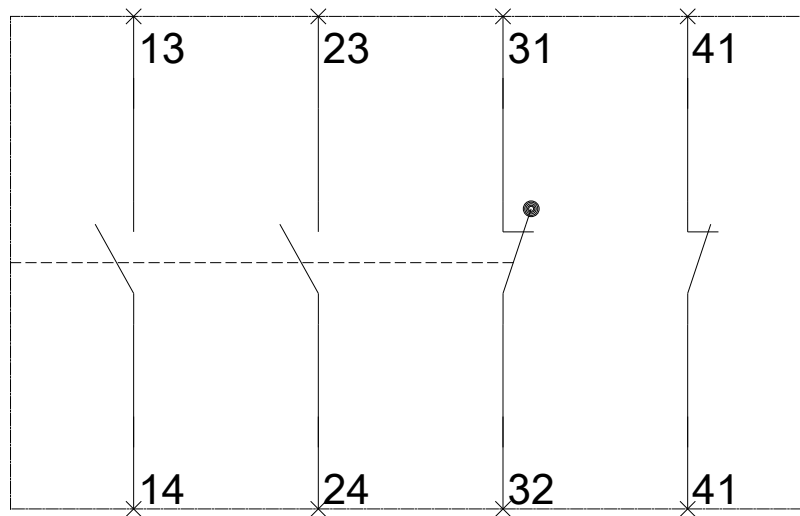
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1921-1FE22>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH1921-1FE22&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH1921-1FE22&lang=en)





last modified:

09/23/2016