

Auxiliary switch on the front, 3 NO Current path 1 NO, 1 NO, 1 NO for 3RH and 3RT spring-type terminal .3/.4, .3/.4, .3/.4



| General technical data                                                                                                                          |                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| Product brand name                                                                                                                              | SIRIUS                                          |
| Suitability for use                                                                                                                             | Contactor relay and power contactor             |
| Protection class IP on the front                                                                                                                | IP20                                            |
| Ambient temperature <ul style="list-style-type: none"> <li>during storage</li> <li>during operation</li> </ul>                                  | -55 ... +80 °C<br>-25 ... +60 °C                |
| Mechanical service life (switching cycles) typical                                                                                              | 10 000 000                                      |
| Electrical endurance (switching cycles) at AC-15 at 230 V typical                                                                               | 200 000                                         |
| Contact reliability of auxiliary contacts                                                                                                       | 1 faulty switching per 100 million (17 V, 1 mA) |
| Insulation voltage with degree of pollution 3 at AC rated value                                                                                 | 690 V                                           |
| Surge voltage resistance rated value                                                                                                            | 6 kV                                            |
| Auxiliary circuit                                                                                                                               |                                                 |
| Number of NC contacts for auxiliary contacts <ul style="list-style-type: none"> <li>instantaneous contact</li> <li>lagging switching</li> </ul> | 0<br>0                                          |
| Number of NO contacts for auxiliary contacts                                                                                                    |                                                 |

|                                                         |        |
|---------------------------------------------------------|--------|
| • instantaneous contact                                 | 3      |
| • leading contact                                       | 0      |
| <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>         | 36 mm            |
| <b>Height</b>        | 41.5 mm          |
| <b>Depth</b>         | 47.7 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>                                                                                                                                                                                                                                                                                                                                                                                     |                         |
| <ul style="list-style-type: none"> <li>• for auxiliary contacts               <ul style="list-style-type: none"> <li>— finely stranded                   <ul style="list-style-type: none"> <li>— with core end processing 2x (0.5 ... 1.5 mm<sup>2</sup>)</li> <li>— without core end processing 2x (0.5 ... 2.5 mm<sup>2</sup>)</li> </ul> </li> </ul> </li> <li>• at AWG conductors for auxiliary contacts 2x (20 ... 14)</li> </ul> |                         |

#### Safety related data

|                                                                           |     |
|---------------------------------------------------------------------------|-----|
| <b>Product function Mirror contact acc. to IEC 60947-4-1</b>              | Yes |
| <ul style="list-style-type: none"> <li>• Note with 3RT2</li> </ul>        |     |
| <b>Product function positively driven operation acc. to IEC 60947-5-1</b> | Yes |
| <ul style="list-style-type: none"> <li>• Note with 3RH2</li> </ul>        |     |

#### Certificates/ approvals

|                          |     |
|--------------------------|-----|
| General Product Approval | EMC |
|--------------------------|-----|



[KC](#)



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



[Miscellaneous](#)

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



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



[Confirmation](#)



|         |
|---------|
| Railway |
|---------|

[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=3RH2911-2HA30>

**Cax online generator**

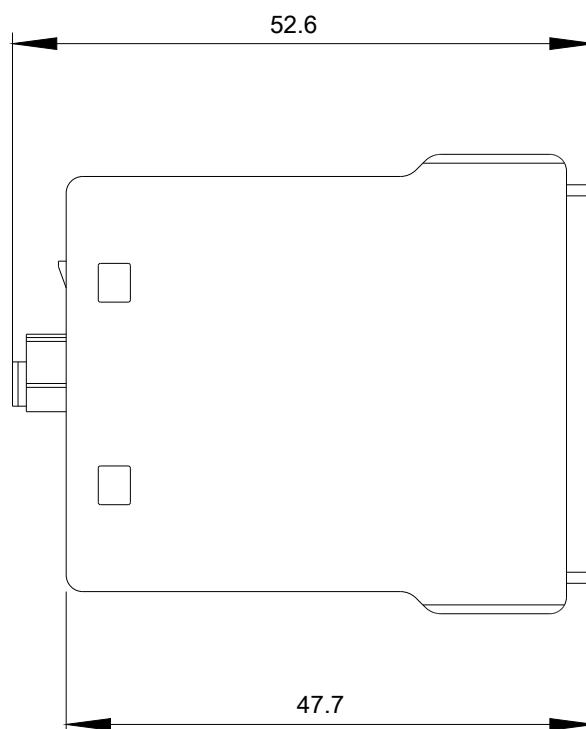
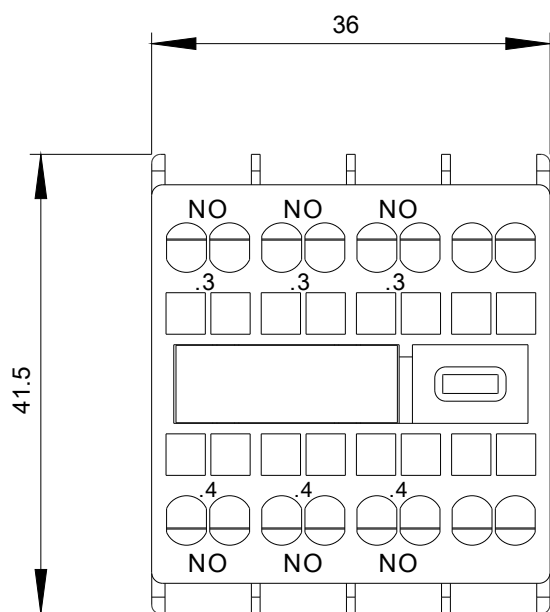
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-2HA30>

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

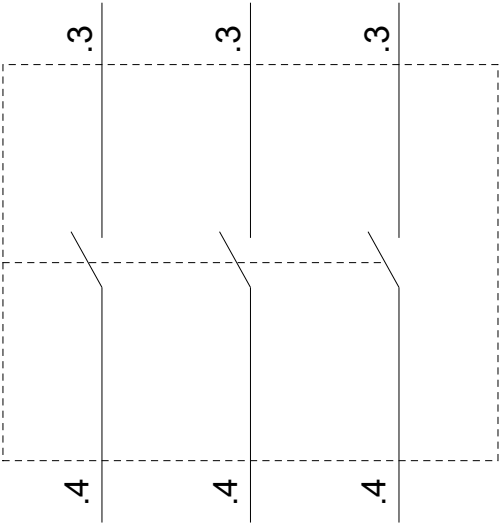
<https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-2HA30>

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

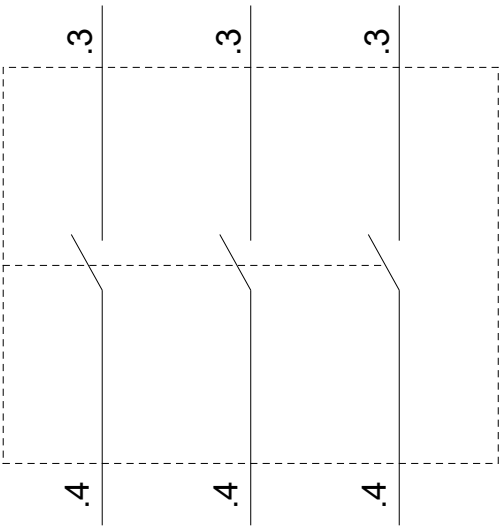
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH2911-2HA30&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-2HA30&lang=en)



3RT2



3RH2



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