



Auxiliary switch Front side, 3 NO + 1 NC Current path 1 NC, 1 NO, 1 NO, 1 NO For 3RH2 and 3RT2 Screw terminal .1/.2, .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                                               |                                                 |
| • during storage                                                  | -55 ... +80 °C                                  |
| • during operation                                                | -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                      |                                                 |
| • instantaneous contact                                           | 1                                               |
| • lagging switching                                               | 0                                               |
| number of NO contacts for auxiliary contacts                      |                                                 |
| • instantaneous contact                                           | 3                                               |
| • leading contact                                                 | 0                                               |
| operational current of auxiliary contacts at AC-12                |                                                 |
| • at 24 V                                                         | 10 A                                            |
| • at 230 V                                                        | 10 A                                            |
| • maximum                                                         | 10 A                                            |
| operational current                                               |                                                 |
| • 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                                             |
| operational current                                               |                                                 |
| • of auxiliary contacts at DC-12                                  |                                                 |
| — at 24 V                                                         | 10 A                                            |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>— at 110 V</li> <li>— at 220 V</li> <li>• with 2 current paths in series at DC-12 <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> </ul> </li> <li>• with 3 current paths in series at DC-12 <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> </ul> </li> </ul>                                                                                                                           | 3 A<br>1 A<br><br>10 A<br>10 A<br>4 A<br>2 A<br>1.3 A<br>0.65 A<br><br>10 A<br>10 A<br>10 A<br>3.6 A<br>2.5 A<br>1.8 A                      |
| <b>operational current</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                             |
| <ul style="list-style-type: none"> <li>• of auxiliary contacts at DC-13 <ul style="list-style-type: none"> <li>— at 24 V</li> <li>— at 60 V</li> <li>— at 110 V</li> <li>— at 220 V</li> </ul> </li> <li>• with 2 current paths in series at DC-13 <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> </ul> </li> <li>• with 3 current paths in series at DC-13 <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> </ul> </li> </ul> | 6 A<br>2 A<br>1 A<br>0.3 A<br><br>10 A<br>3.5 A<br>1.3 A<br>0.9 A<br>0.2 A<br>0.1 A<br><br>10 A<br>4.7 A<br>3 A<br>1.2 A<br>0.5 A<br>0.26 A |
| <b>Installation/ mounting/ dimensions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                             |
| <b>fastening method</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | snap-on mounting                                                                                                                            |
| <b>width</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 36 mm                                                                                                                                       |
| <b>height</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 37.5 mm                                                                                                                                     |
| <b>depth</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 43.7 mm                                                                                                                                     |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                             |
| <b>type of electrical connection for auxiliary and control circuit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | screw-type 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</li> <li>— with core end processing</li> </ul> </li> <li>• at AWG cables for auxiliary contacts</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )<br>2x (20 ... 16), 2x (18 ... 14)                                     |
| <b>Safety related data</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                             |
| <b>product function mirror contact acc. to IEC 60947-4-1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Yes                                                                                                                                         |
| • note                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | with 3RT2                                                                                                                                   |
| <b>product function positively driven operation acc. to IEC 60947-5-1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Yes                                                                                                                                         |
| • note                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | with 3RH2                                                                                                                                   |
| <b>Certificates/ approvals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                             |
| <b>General Product Approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>EMC</b>                                                                                                                                  |



[KC](#)



#### Declaration of Conformity

#### Test Certificates

#### Shipping Approval

[Miscellaneous](#)



EG-Konf.

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



ABS



BUREAU  
VERITAS

#### Shipping Approval

#### other

#### Railway



LRS



PRS



RINA



RMRS

[Confirmation](#)

[Special Test Certificate](#)

#### Railway

[Vibration and Shock](#)

[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=3RH2911-1HA31>

Cax online generator

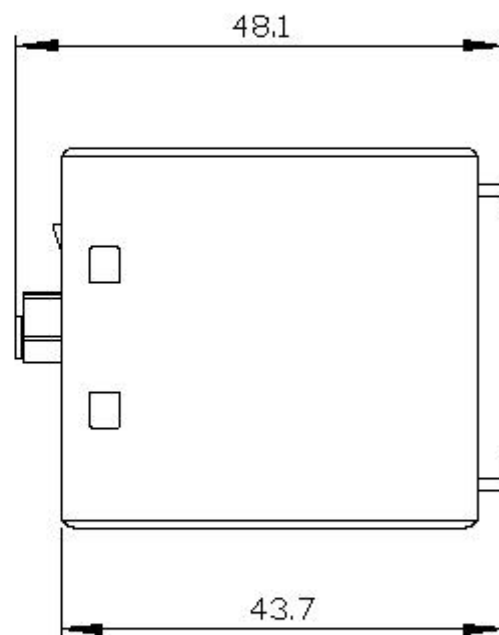
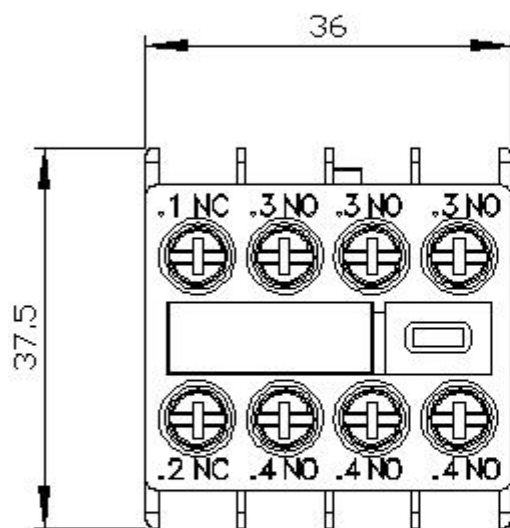
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-1HA31>

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

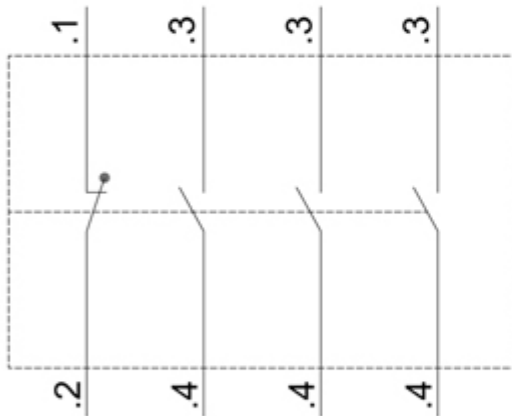
<https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1HA31>

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

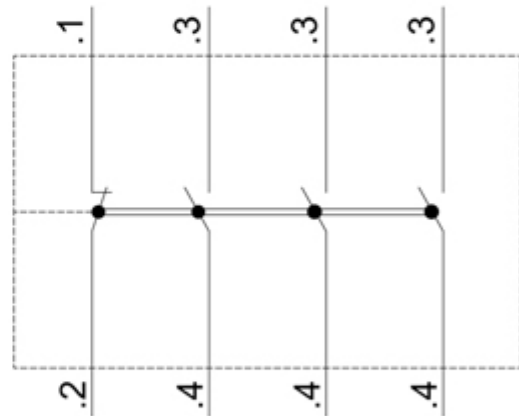
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH2911-1HA31&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-1HA31&lang=en)



3RT2



3RH2



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1/18/2021 [🔗](#)