



auxiliary switch, on the front, 2 NO + 2 NC, 11 U, .3/.4, .1/.2, .5/.6, .7/.8, current path: 1 NO, 1 NC, 1 NC (lagging), 1 NO (leading), spring-loaded terminal, for contactors 3RT2 and contactor relays 3RH2

|                                                                   |                                          |
|-------------------------------------------------------------------|------------------------------------------|
| product brand name                                                | SIRIUS                                   |
| product category                                                  | Auxiliary switch                         |
| product designation                                               | auxiliary switch                         |
| design of the product                                             | for snapping onto the front              |
| product type designation                                          | 3RH29                                    |
| suitability for use                                               | for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2 |
| General technical data                                            |                                          |
| insulation voltage with degree of pollution 3 at AC rated value   | 690 V                                    |
| surge voltage resistance rated value                              | 6 kV                                     |
| protection class IP on the front                                  | IP20                                     |
| mechanical service life (operating cycles) typical                | 10 000 000                               |
| electrical endurance (operating cycles) at AC-15 at 230 V typical | 200 000                                  |
| Substance Prohibittance (Date)                                    | 10/01/2009                               |
| Weight                                                            | 0.061 kg                                 |
| number of NC contacts for auxiliary contacts                      |                                          |
| • instantaneous contact                                           | 1                                        |
| • lagging switching                                               | 1                                        |
| number of NO contacts for auxiliary contacts                      |                                          |
| • instantaneous contact                                           | 1                                        |
| • leading contact                                                 | 1                                        |
| number of CO contacts of auxiliary contacts instantaneous contact | 0                                        |
| operational current at AC-15 at 690 V rated value                 | 1 A                                      |
| operational current of auxiliary contacts at AC-12                |                                          |
| • at 24 V                                                         | 10 A                                     |
| • at 230 V                                                        | 10 A                                     |
| operational current of auxiliary contacts at AC-14                |                                          |
| • at 125 V                                                        | 6 A                                      |
| • at 250 V                                                        | 6 A                                      |
| operational current of auxiliary contacts at AC-12 maximum        | 10 A                                     |
| operational current of auxiliary contacts at AC-15                |                                          |
| • at 24 V                                                         | 6 A                                      |
| • at 230 V                                                        | 6 A                                      |
| • at 400 V                                                        | 3 A                                      |
| operational current of auxiliary contacts at DC-12                |                                          |
| • at 24 V                                                         | 10 A                                     |
| • at 110 V                                                        | 3 A                                      |
| • at 220 V                                                        | 1 A                                      |
| operational current with 2 current paths in series at DC-12       |                                          |
| • at 24 V rated value                                             | 10 A                                     |

|                                                                                                                                                                                                                                                                                                           |                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <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>                                                                                                   | 10 A<br>4 A<br>2 A<br>1.3 A<br>0.65 A                                                     |
| <b>operational current with 3 current paths in series at DC-12</b> <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> | 10 A<br>10 A<br>10 A<br>3.6 A<br>2.5 A<br>1.8 A                                           |
| <b>operational current with 2 current paths in series at DC-13</b> <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> | 10 A<br>3.5 A<br>1.3 A<br>0.9 A<br>0.2 A<br>0.1 A                                         |
| <b>operational current with 3 current paths in series at DC-13</b> <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> | 10 A<br>4.7 A<br>3 A<br>1.2 A<br>0.5 A<br>0.26 A                                          |
| <b>operational current of auxiliary contacts at DC-13</b> <ul style="list-style-type: none"> <li>• at 24 V</li> <li>• at 48 V</li> <li>• at 60 V</li> <li>• at 110 V</li> <li>• at 125 V</li> <li>• at 220 V</li> <li>• at 250 V</li> </ul>                                                               | 6 A<br>2 A<br>2 A<br>1 A<br>0.9 A<br>0.3 A<br>0.3 A                                       |
| <b>contact reliability of auxiliary contacts</b>                                                                                                                                                                                                                                                          | 1 faulty switching per 100 million (17 V, 1 mA)                                           |
| <b>Ambient conditions</b>                                                                                                                                                                                                                                                                                 |                                                                                           |
| <b>ambient temperature</b> <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> </ul>                                                                                                                                                                                 | -25 ... +60 °C<br>-55 ... +80 °C                                                          |
| <b>Environmental footprint</b>                                                                                                                                                                                                                                                                            |                                                                                           |
| Environmental Product Declaration (EPD)                                                                                                                                                                                                                                                                   | Yes                                                                                       |
| Global Warming Potential [CO <sub>2</sub> eq] total                                                                                                                                                                                                                                                       | 0.92 kg                                                                                   |
| Global Warming Potential [CO <sub>2</sub> eq] during manufacturing                                                                                                                                                                                                                                        | 0.34 kg                                                                                   |
| Global Warming Potential [CO <sub>2</sub> eq] during operation                                                                                                                                                                                                                                            | 0.562 kg                                                                                  |
| Global Warming Potential [CO <sub>2</sub> eq] after end of life                                                                                                                                                                                                                                           | 0.017 kg                                                                                  |
| <b>Safety related data</b>                                                                                                                                                                                                                                                                                |                                                                                           |
| <b>product function</b> <ul style="list-style-type: none"> <li>• mirror contact according to IEC 60947-4-1</li> <li>• positively driven operation according to IEC 60947-5-1</li> </ul>                                                                                                                   | No<br>No                                                                                  |
| <b>Installation/ mounting/ dimensions</b>                                                                                                                                                                                                                                                                 |                                                                                           |
| <b>fastening method</b>                                                                                                                                                                                                                                                                                   | snap-on mounting                                                                          |
| <b>height</b>                                                                                                                                                                                                                                                                                             | 41.5 mm                                                                                   |
| <b>width</b>                                                                                                                                                                                                                                                                                              | 36 mm                                                                                     |
| <b>depth</b>                                                                                                                                                                                                                                                                                              | 47.7 mm                                                                                   |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                                                             |                                                                                           |
| type of electrical connection for auxiliary and control circuit                                                                                                                                                                                                                                           | spring-loaded terminals                                                                   |
| <b>connectable conductor cross-section for auxiliary contacts</b> <ul style="list-style-type: none"> <li>• solid or stranded</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> </ul>                                                        | 0.5 ... 2.5 mm <sup>2</sup><br>0.5 ... 2.5 mm <sup>2</sup><br>0.5 ... 2.5 mm <sup>2</sup> |

|                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <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>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>— finely stranded without core end processing</li> </ul> </li> <li>• for AWG cables for auxiliary contacts</li> </ul> | 2x (0.5 ... 2.5 mm <sup>2</sup> )<br>2x (0.5 ... 1.5 mm <sup>2</sup> )<br>2x (0.5 ... 2.5 mm <sup>2</sup> )<br>2x (20 ... 14) |
| AWG number as coded connectable conductor cross section for auxiliary contacts                                                                                                                                                                                                                                                                                    | 20 ... 14                                                                                                                     |

#### Approvals Certificates

##### General Product Approval



[Confirmation](#)



[KC](#)

| General Product Approval | EMV | Functional Safety | Test Certificates | Marine / Shipping |
|--------------------------|-----|-------------------|-------------------|-------------------|
|--------------------------|-----|-------------------|-------------------|-------------------|



[Type Examination Certificate](#)

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



##### Marine / Shipping



| other | Railway | Environment |
|-------|---------|-------------|
|-------|---------|-------------|

[Miscellaneous](#)

[Confirmation](#)

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



[Environmental Confirmations](#)

#### Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3RH2911-2FB22>

Cax online generator

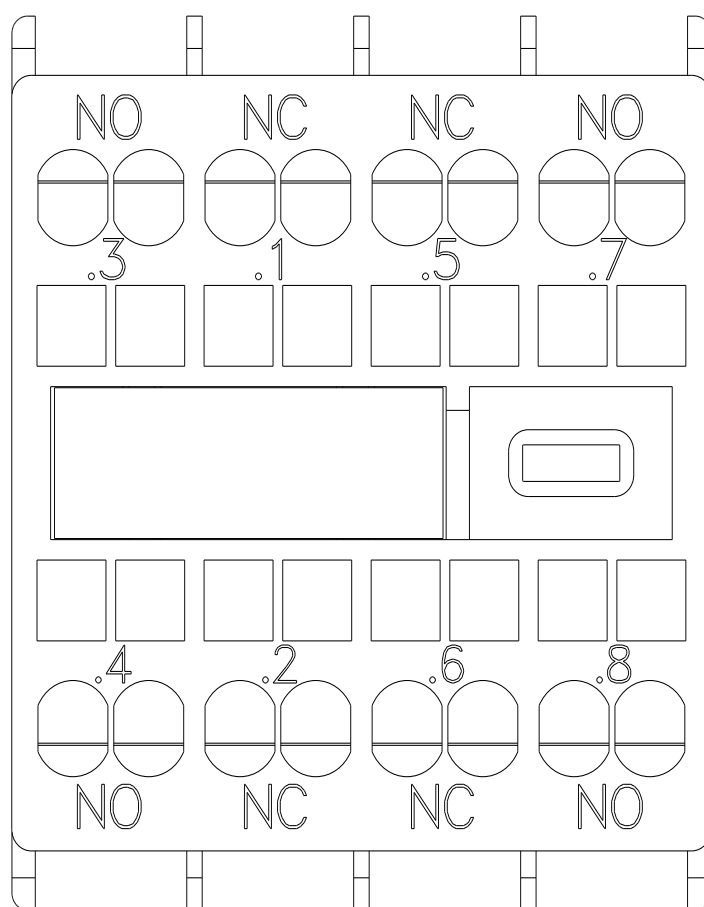
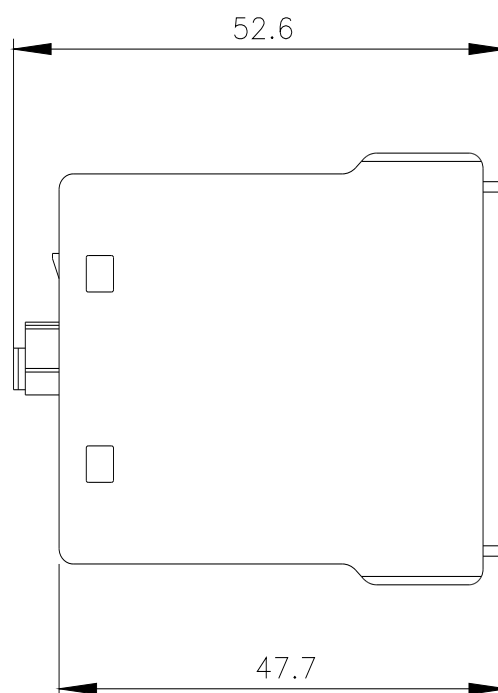
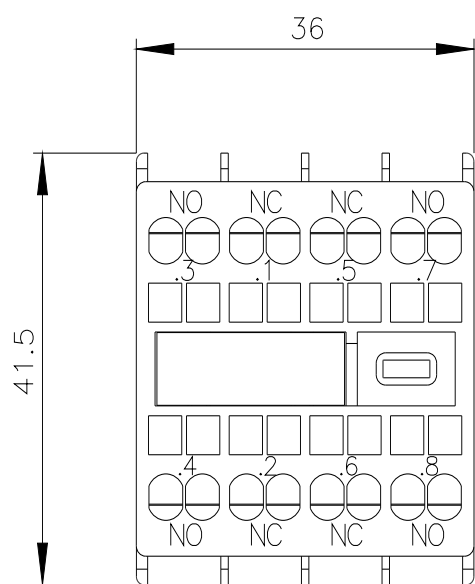
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-2FB22>

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

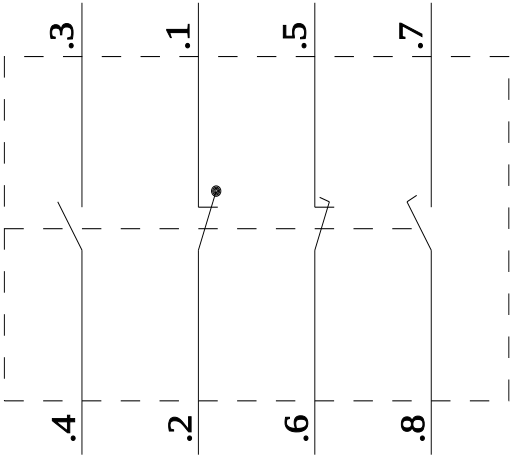
<https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-2FB22>

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

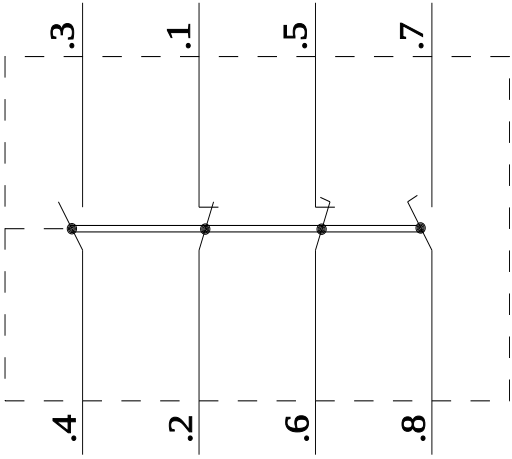
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH2911-2FB22&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-2FB22&lang=en)



3RT2



3RH2



last modified:

1/23/2024