



auxiliary switch, on the front, 2 NO + 2 NC, .1/.2, .1/.2, .3/.4, .3/.4, current path: 1 NC, 1 NC, 1 NO, 1 NO, screw 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 |
| <b>General technical data</b>                                     |  |
| 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 Prohibition (Date)                                      | 10/01/2009                               |
| Weight  | 0.057 kg                                 |
| number of NC contacts for auxiliary contacts                      |  |
| • instantaneous contact   | 2  |
| • lagging switching   | 0  |
| number of NO contacts for auxiliary contacts                      |  |
| • instantaneous contact   | 2  |
| • leading contact   | 0  |
| 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 |
| design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V   | C characteristic: 10 A; 0.4 kA                      |
| <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 [CO2 eq] total   | 0.92 kg   |
| global warming potential [CO2 eq] during manufacturing  | 0.34 kg   |
| global warming potential [CO2 eq] during operation  | 0.562 kg  |
| global warming potential [CO2 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>   | Yes; with 3RT2<br>Yes                               |
| <b>Short-circuit protection</b>   |   |
| design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V   | C characteristic: 10 A; 0.4 kA                      |
| <b>Installation/ mounting/ dimensions</b>   |   |
| <b>fastening method</b>   | snap-on mounting                                    |
| <b>height</b>   | 37.5 mm   |
| <b>width</b>  | 36 mm   |
| <b>depth</b>  | 43.7 mm   |
| <b>Connections/ Terminals</b>   |   |
| type of electrical connection for auxiliary and control circuit   | screw-type 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> </ul>  | 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> </ul> </li> <li>• for 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 (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )<br>2x (20 ... 16), 2x (18 ... 14) |
| AWG number as coded connectable conductor cross section for auxiliary contacts   | 20 ... 14  |

**Approvals Certificates**

**General Product Approval**



KC



|     |                   |                   |                      |
|-----|-------------------|-------------------|----------------------|
| EMV | Functional Safety | Test Certificates | Maritime application |
|-----|-------------------|-------------------|----------------------|



[Type Examination Certificate](#)

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



|                      |       |
|----------------------|-------|
| Maritime application | other |
|----------------------|-------|



[Miscellaneous](#)

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

[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=3RH2911-1HA22>

Cax online generator

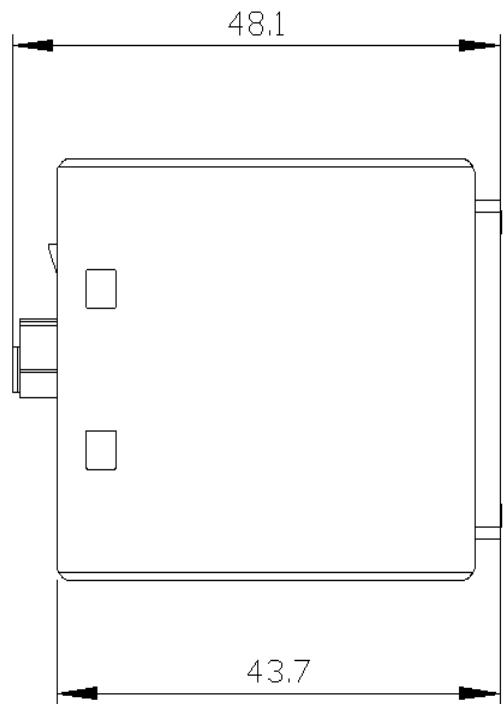
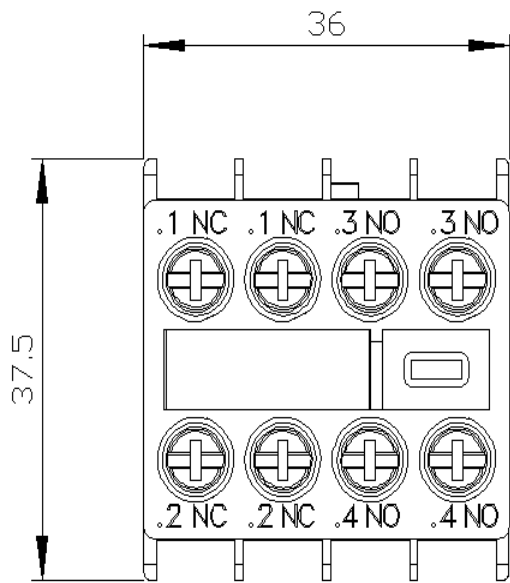
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-1HA22>

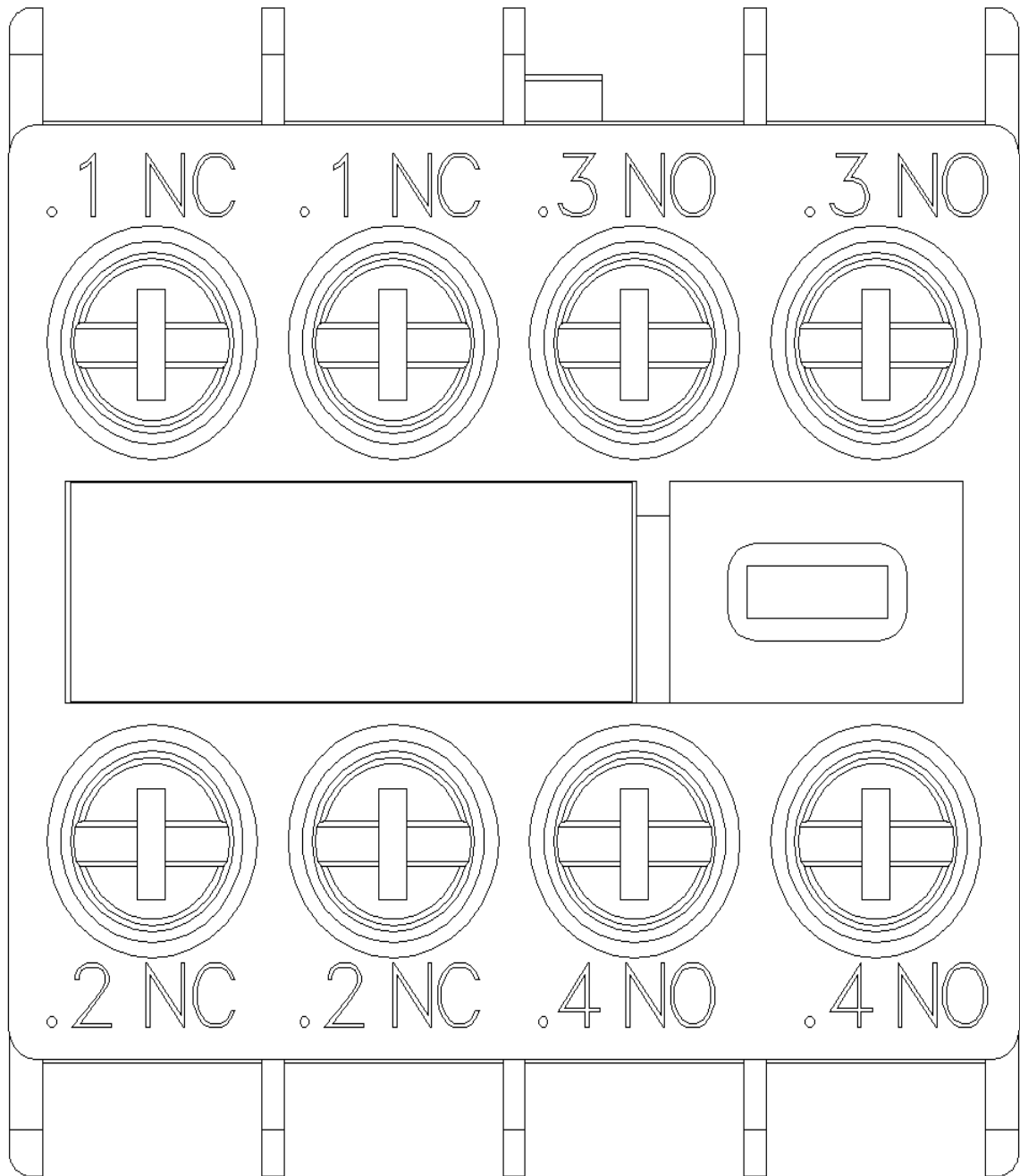
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1HA22>

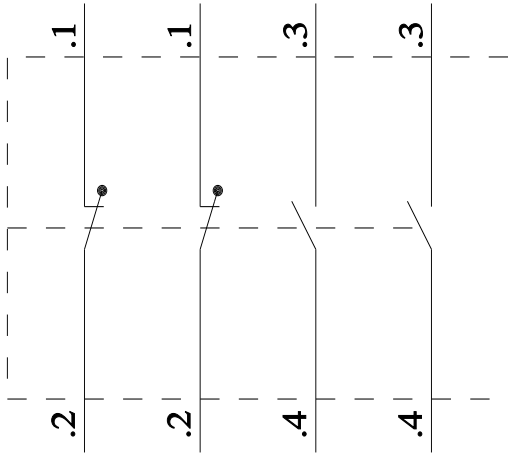
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH2911-1HA22&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-1HA22&lang=en)

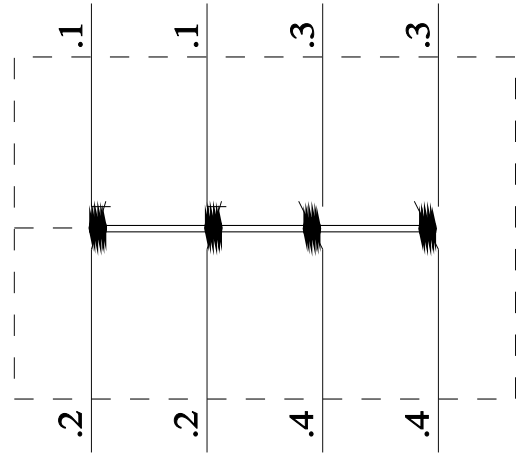




### 3RT2



### 3RH2



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4/11/2025 