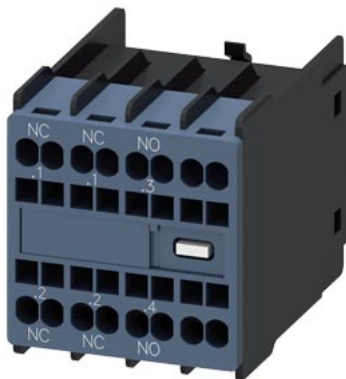




Auxiliary switch on the front, 1 NO + 2 NC Current path 1 NC, 1 NO, 1 NO for 3RH and 3RT spring-type terminal .1/.2, .1/.2, .3/.4

| 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                                           | 2                                               |
| • lagging switching                                               | 0                                               |
| number of NO contacts for auxiliary contacts                      |                                                 |
| • instantaneous contact                                           | 1                                               |
| • 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                                            |
| — at 110 V                                                        | 3 A                                             |
| — at 220 V                                                        | 1 A                                             |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <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>                                                                                                                                                                   | 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 41.5 mm                                                                                                                                     |
| <b>depth</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 47.7 mm                                                                                                                                     |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                             |
| <b>type of electrical connection for auxiliary and control 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</li> <li>— without core end processing</li> </ul> </li> </ul> </li> <li>• at AWG cables for auxiliary contacts</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2x (0.5 ... 1.5 mm <sup>2</sup> )<br>2x (0.5 ... 2.5 mm <sup>2</sup> )<br>2x (20 ... 14)                                                    |
| <b>Safety related data</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                             |
| <b>product function mirror contact according to IEC 60947-4-1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Yes                                                                                                                                         |
| <ul style="list-style-type: none"> <li>• note</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | with 3RT2                                                                                                                                   |
| <b>product function positively driven operation according to IEC 60947-5-1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Yes                                                                                                                                         |
| <ul style="list-style-type: none"> <li>• note</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | with 3RH2                                                                                                                                   |
| <b>Certificates/ approvals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                             |
| <b>General Product Approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                             |



[Confirmation](#)



[KC](#)



| EMC | Functional Safety/Safety of Machinery | Test Certificates | Marine / Shipping |
|-----|---------------------------------------|-------------------|-------------------|
|-----|---------------------------------------|-------------------|-------------------|



[Type Examination Certificate](#)

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



| Marine / Shipping | other |
|-------------------|-------|
|-------------------|-------|



[Environmental Confirmations](#)

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

[Confirmation](#)



[Special Test Certificate](#)

[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=3RH2911-2HA12>

Cax online generator

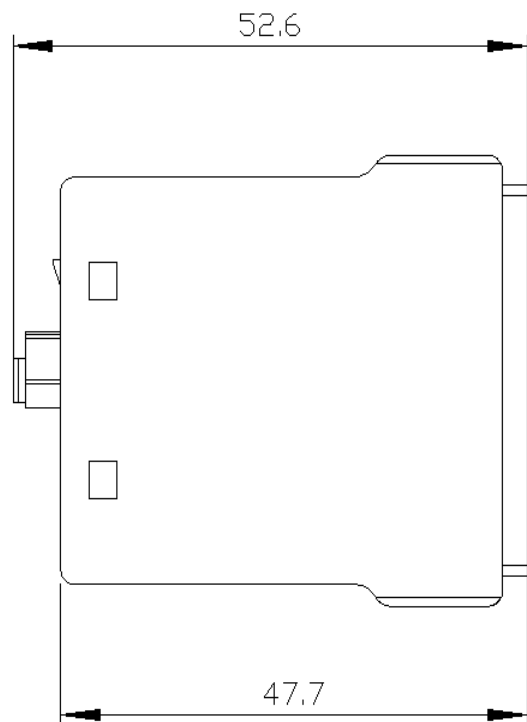
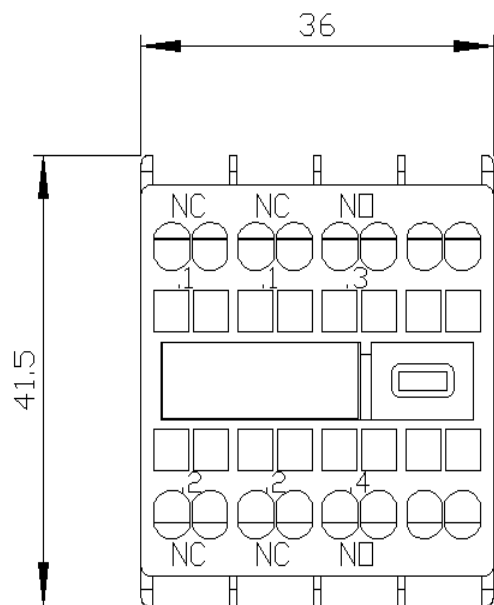
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-2HA12>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-2HA12>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH2911-2HA12&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-2HA12&lang=en)



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1/18/2021 