



auxiliary switch, on the front, 1 NO + 2 NC, .1/.2, .1/.2, .3/.4, --/--, current path: 1 NC, 1 NC, 1 NO, --, 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 Prohibitance (Date)                                     | 10/01/2009 |
| Net Weight  | 0.054 kg   |
| 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          |
| 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  |
| • 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  |
| <b>operational current with 3 current paths in series at DC-12</b>  |   |
| • 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>operational current with 2 current paths in series at DC-13</b>  |   |
| • 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   |
| <b>operational current with 3 current paths in series at DC-13</b>  |   |
| • 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  |
| <b>operational current of auxiliary contacts at DC-13</b>   |   |
| • at 24 V   | 6 A   |
| • at 48 V   | 2 A   |
| • at 60 V   | 2 A   |
| • at 110 V  | 1 A   |
| • at 125 V  | 0.9 A   |
| • at 220 V  | 0.3 A   |
| • at 250 V  | 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>  |   |
| • during operation  | -25 ... +60 °C                                  |
| • during storage  | -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>   |   |
| • mirror contact according to IEC 60947-4-1   | Yes; with 3RT2                                  |
| • positively driven operation according to IEC 60947-5-1  | 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                  |
| design of the fuse link for short-circuit protection of the auxiliary switch required                     | gG: 10 A (690 V, 1 kA)                          |
| <b>Installation/ mounting/ dimensions</b>   |   |
| <b>fastening method</b>   | snap-on mounting                                |

|        |         |
|--------|---------|
| height | 41.5 mm |
| width  | 36 mm   |
| depth  | 47.7 mm |

| Connections/ Terminals  |                                   |
|---|-----------------------------------|
| type of electrical connection for auxiliary and control circuit                       | spring-loaded terminals           |
| <b>connectable conductor cross-section for auxiliary contacts</b>                     |                                   |
| • solid or stranded   | 0.5 ... 2.5 mm <sup>2</sup>       |
| • finely stranded with core end processing  | 0.5 ... 2.5 mm <sup>2</sup>       |
| • finely stranded without core end processing   | 0.5 ... 2.5 mm <sup>2</sup>       |
| <b>type of connectable conductor cross-sections</b>                                   |                                   |
| • for auxiliary contacts  |                                   |
| — solid or stranded   | 2x (0.5 ... 2.5 mm <sup>2</sup> ) |
| — finely stranded with core end processing  | 2x (0.5 ... 1.5 mm <sup>2</sup> ) |
| — finely stranded without core end processing   | 2x (0.5 ... 2.5 mm <sup>2</sup> ) |
| • for AWG cables for auxiliary contacts   | 2x (20 ... 14)                    |
| <b>AWG number as coded connectable conductor cross section for auxiliary contacts</b> | 20 ... 14                         |

| Approvals Certificates   |  |
|--------------------------|--|
| General Product Approval |  |

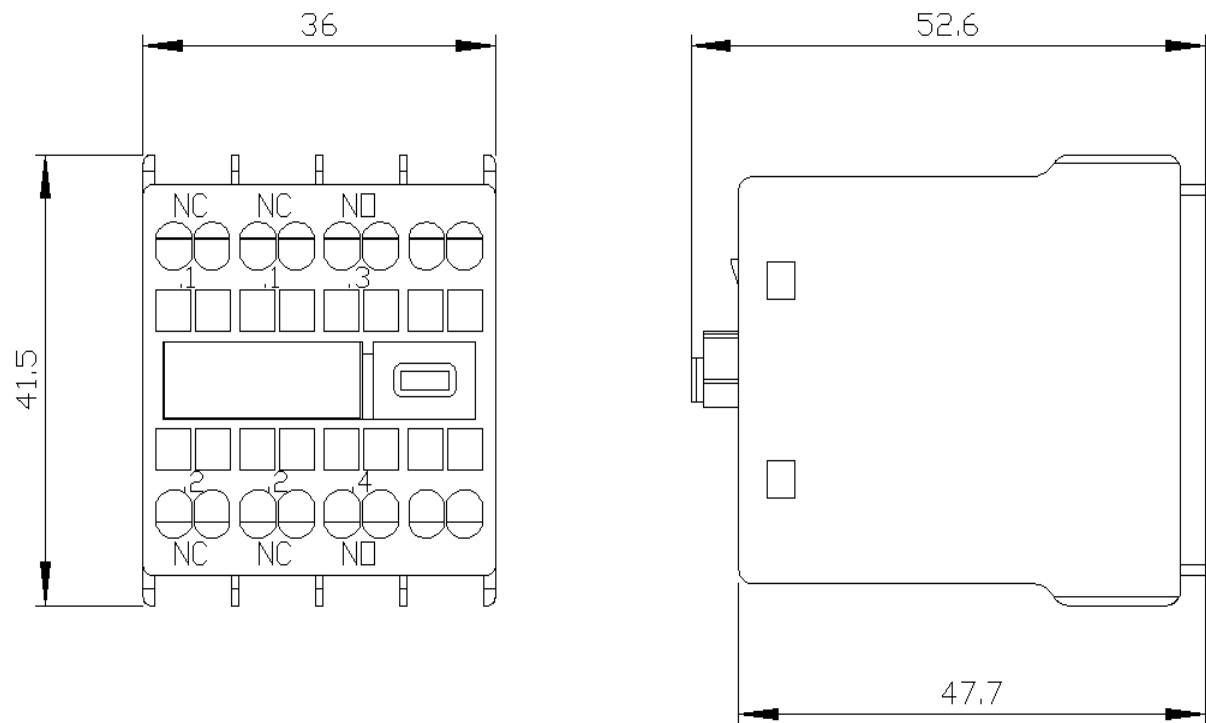


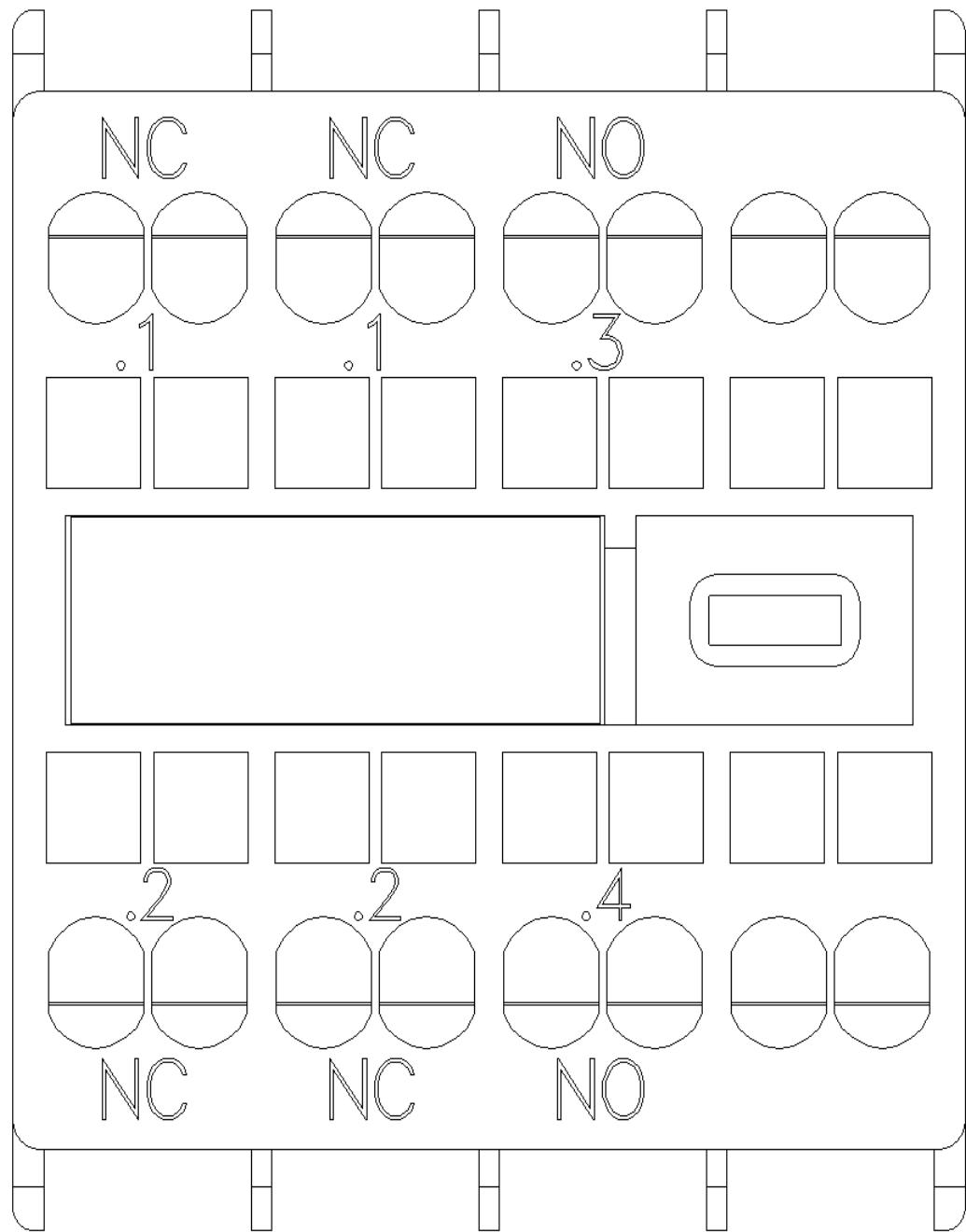
| EMV | Functional Safety                            | Test Certificates                                  | Maritime application |
|-----|--|--|----------------------|
|     | <a href="#">Type Examination Certificate</a> | <a href="#">Type Test Certificates/Test Report</a> |                      |

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

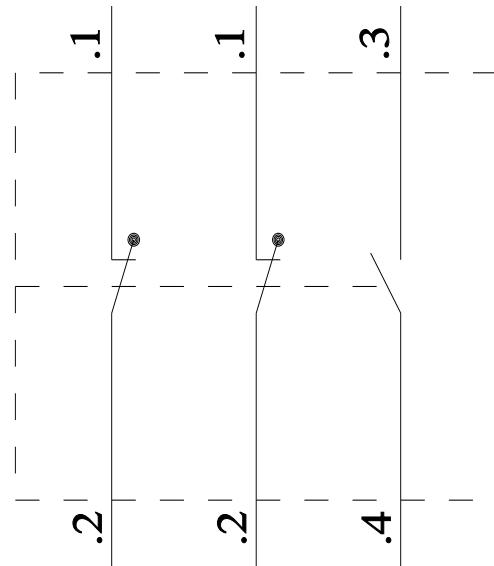
| other                         | Railway                      | Environment   |
|-------------------------------|------------------------------|---|
| <a href="#">Miscellaneous</a> | <a href="#">Confirmation</a> | <a href="#">Special Test Certificate</a> <a href="#">Type Test Certificates/Test Report</a> <a href="#">Environmental Confirmations</a> |

| Further information   |   |
|---|---|
| Information on the packaging  | <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a>   |
| Information for data generation and storage   | <a href="https://support.industry.siemens.com/cs/ww/en/view/109995012">https://support.industry.siemens.com/cs/ww/en/view/109995012</a>   |
| Information- and Downloadcenter (Catalogs, Brochures,...)   | <a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a>   |
| Industry Mall (Online ordering system)  | <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-2HA12">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-2HA12</a>                               |
| Cax online generator  | <a href="https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3RH2911-2HA12">https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3RH2911-2HA12</a> |
| Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  | <a href="https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-2HA12">https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-2HA12</a>   |
| Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) | <a href="https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-2HA12&amp;lang=en">https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-2HA12&amp;lang=en</a>                     |

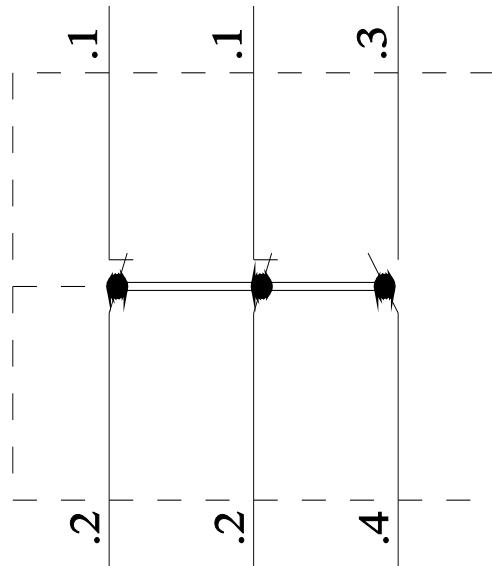




3RT2



3RH2



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last modified:

9/8/2025 