



circuit breaker frame size S0 for transformer protection thermal release 16...22 A  
short-circuit release 364 A screw terminal standard switching capacity with  
transverse auxiliary switch 1 NO+1 NC

|                                                                                                |                            |
|------------------------------------------------------------------------------------------------|----------------------------|
| product brand name                                                                             | SIRIUS                     |
| product designation                                                                            | Circuit breaker            |
| design of the product                                                                          | For transformer protection |
| product type designation                                                                       | 3RV2                       |
| <b>General technical data</b>                                                                  |                            |
| Product equipment of circuit breaker for motor protection complete unit with protection device | Yes                        |
| size of the circuit-breaker                                                                    | S0                         |
| size of contactor can be combined company-specific                                             | S00, S0                    |
| product function disconnecter functionality                                                    | Yes                        |
| product extension auxiliary switch                                                             | Yes                        |
| power loss [W] for rated value of the current                                                  |                            |
| • at AC in hot operating state                                                                 | 10.5 W                     |
| • at AC in hot operating state per pole                                                        | 3.5 W                      |
| type of calculation of power loss current-dependent                                            | quadratic                  |
| insulation voltage with degree of pollution 3 at AC rated value                                | 690 V                      |
| surge voltage resistance rated value                                                           | 6 kV                       |
| maximum permissible voltage for protective separation                                          |                            |
| • in networks with ungrounded star point between main and auxiliary circuit                    | 400 V                      |
| • in networks with grounded star point between main and auxiliary circuit                      | 400 V                      |
| protection class IP                                                                            |                            |
| • on the front according to IEC 60529                                                          | IP20                       |
| • on the front                                                                                 | IP20                       |
| • of the terminal                                                                              | IP20                       |
| shock resistance according to IEC 60068-2-27                                                   | 25g / 11 ms                |
| mechanical service life (operating cycles)                                                     |                            |
| • of the main contacts typical                                                                 | 100 000                    |
| • of auxiliary contacts typical                                                                | 100 000                    |
| electrical endurance (operating cycles) typical                                                | 100 000                    |
| reference code according to IEC 81346-2                                                        | Q                          |
| continuous current rated value                                                                 | 22 A                       |
| Substance Prohibitance (day/month/year)                                                        | 10/01/2009                 |
| Net Weight                                                                                     | 0.41 g                     |
| <b>Ambient conditions</b>                                                                      |                            |
| installation altitude at height above sea level maximum                                        | 2 000 m                    |

|                                                                                            |                |
|--------------------------------------------------------------------------------------------|----------------|
| <b>ambient temperature</b>                                                                 |                |
| • during operation                                                                         | -20 ... +60 °C |
| • during storage                                                                           | -50 ... +80 °C |
| • during transport                                                                         | -50 ... +80 °C |
| <b>temperature compensation</b>                                                            | -20 ... +60 °C |
| relative humidity during operation                                                         | 10 ... 95 %    |
| <b>Main circuit</b>                                                                        |                |
| <b>number of poles for main current circuit</b>                                            | 3              |
| <b>adjustable current response value current of the current-dependent overload release</b> | 16 ... 22 A    |
| <b>type of voltage for main current circuit</b>                                            | AC             |
| <b>operating voltage</b>                                                                   |                |
| • rated value                                                                              | 690 V          |
| • rated value                                                                              | 20 ... 690 V   |
| • at AC-3 rated value maximum                                                              | 690 V          |
| • at AC-3e rated value maximum                                                             | 690 V          |
| <b>operating frequency rated value</b>                                                     | 50 ... 60 Hz   |
| <b>operational current rated value</b>                                                     | 22 A           |
| <b>operational current</b>                                                                 |                |
| • at AC-3 at 400 V rated value                                                             | 22 A           |
| • at AC-3e at 400 V rated value                                                            | 22 A           |
| <b>operating power</b>                                                                     |                |
| • at AC-3                                                                                  |                |
| — at 230 V rated value                                                                     | 5.5 kW         |
| — at 400 V rated value                                                                     | 11 kW          |
| — at 500 V rated value                                                                     | 11 kW          |
| — at 690 V rated value                                                                     | 18.5 kW        |
| • at AC-3e                                                                                 |                |
| — at 230 V rated value                                                                     | 5.5 kW         |
| — at 400 V rated value                                                                     | 11 kW          |
| — at 500 V rated value                                                                     | 11 kW          |
| — at 690 V rated value                                                                     | 18.5 kW        |
| <b>operating frequency</b>                                                                 |                |
| • at AC-3 maximum                                                                          | 15 1/h         |
| • at AC-3e maximum                                                                         | 15 1/h         |
| <b>Auxiliary circuit</b>                                                                   |                |
| <b>design of the auxiliary switch</b>                                                      | transverse     |
| <b>type of voltage for auxiliary and control circuit</b>                                   | AC/DC          |
| <b>number of NC contacts for auxiliary contacts</b>                                        | 1              |
| <b>number of NO contacts for auxiliary contacts</b>                                        | 1              |
| number of CO contacts for auxiliary contacts                                               | 0              |
| <b>operational current of auxiliary contacts at AC-15</b>                                  |                |
| • at 24 V                                                                                  | 2 A            |
| • at 120 V                                                                                 | 0.5 A          |
| • at 125 V                                                                                 | 0.5 A          |
| • at 230 V                                                                                 | 0.5 A          |
| <b>operational current of auxiliary contacts at DC-13</b>                                  |                |
| • at 24 V                                                                                  | 1 A            |
| • at 60 V                                                                                  | 0.15 A         |
| <b>Protective and monitoring functions</b>                                                 |                |
| <b>product function</b>                                                                    |                |
| • ground fault detection                                                                   | No             |
| • phase failure detection                                                                  | Yes            |
| <b>trip class</b>                                                                          | CLASS 10       |
| <b>design of the overload release</b>                                                      | thermal        |
| <b>protection function thermal overload protection (ANSI 49)</b>                           | Yes            |
| <b>maximum short-circuit current breaking capacity (Icu)</b>                               |                |
| • at AC at 240 V rated value                                                               | 100 kA         |
| • at AC at 400 V rated value                                                               | 55 kA          |

|                                                                                                                                                             |                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• at AC at 500 V rated value</li> </ul>                                                                              | 10 kA                                                                                            |
| <ul style="list-style-type: none"> <li>• at AC at 690 V rated value</li> </ul>                                                                              | 4 kA                                                                                             |
| <b>operating short-circuit current breaking capacity (Ics) at AC</b>                                                                                        |                                                                                                  |
| <ul style="list-style-type: none"> <li>• at 240 V rated value</li> </ul>                                                                                    | 100 kA                                                                                           |
| <ul style="list-style-type: none"> <li>• at 400 V rated value</li> </ul>                                                                                    | 25 kA                                                                                            |
| <ul style="list-style-type: none"> <li>• at 500 V rated value</li> </ul>                                                                                    | 5 kA                                                                                             |
| <ul style="list-style-type: none"> <li>• at 690 V rated value</li> </ul>                                                                                    | 2 kA                                                                                             |
| response value current of instantaneous short-circuit trip unit                                                                                             | 364 A                                                                                            |
| <b>UL/CSA ratings</b>                                                                                                                                       |                                                                                                  |
| <b>full-load current (FLA) for 3-phase AC motor</b>                                                                                                         |                                                                                                  |
| <ul style="list-style-type: none"> <li>• at 480 V rated value</li> </ul>                                                                                    | 22 A                                                                                             |
| <ul style="list-style-type: none"> <li>• at 600 V rated value</li> </ul>                                                                                    | 22 A                                                                                             |
| <b>yielded mechanical performance [hp]</b>                                                                                                                  |                                                                                                  |
| <ul style="list-style-type: none"> <li>• for single-phase AC motor <ul style="list-style-type: none"> <li>— at 110/120 V rated value</li> </ul> </li> </ul> | 1.5 hp                                                                                           |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>— at 230 V rated value</li> </ul> </li> </ul>                                | 3 hp                                                                                             |
| <ul style="list-style-type: none"> <li>• for 3-phase AC motor <ul style="list-style-type: none"> <li>— at 200/208 V rated value</li> </ul> </li> </ul>      | 7.5 hp                                                                                           |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>— at 220/230 V rated value</li> </ul> </li> </ul>                            | 7.5 hp                                                                                           |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>— at 460/480 V rated value</li> </ul> </li> </ul>                            | 15 hp                                                                                            |
| <b>contact rating of auxiliary contacts according to UL</b>                                                                                                 | C300 / R300                                                                                      |
| <b>UL File Number (CCN)</b>                                                                                                                                 | E47705 (NLRV, NLRV7)                                                                             |
| <b>Short-circuit protection</b>                                                                                                                             |                                                                                                  |
| <b>product function short circuit protection</b>                                                                                                            | Yes                                                                                              |
| <b>design of the short-circuit trip</b>                                                                                                                     | magnetic                                                                                         |
| <b>design of the fuse link</b>                                                                                                                              |                                                                                                  |
| <ul style="list-style-type: none"> <li>• for short-circuit protection of the auxiliary switch required</li> </ul>                                           | Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current I <sub>k</sub> < 400 A) |
| <b>design of the fuse link for IT network for short-circuit protection of the main circuit</b>                                                              |                                                                                                  |
| <ul style="list-style-type: none"> <li>• at 400 V</li> </ul>                                                                                                | gL/gG 63 A                                                                                       |
| <ul style="list-style-type: none"> <li>• at 500 V</li> </ul>                                                                                                | gL/gG 50 A                                                                                       |
| <ul style="list-style-type: none"> <li>• at 690 V</li> </ul>                                                                                                | gL/gG 50 A                                                                                       |
| <b>Installation/ mounting/ dimensions</b>                                                                                                                   |                                                                                                  |
| <b>mounting position</b>                                                                                                                                    | any                                                                                              |
| <b>fastening method</b>                                                                                                                                     | screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715                         |
| <b>Mounting method of circuit breaker for Transformer protection, Generator protection and system protection optional standard bar mounting</b>             | Yes                                                                                              |
| <b>height</b>                                                                                                                                               | 97 mm                                                                                            |
| <b>width</b>                                                                                                                                                | 45 mm                                                                                            |
| <b>depth</b>                                                                                                                                                | 97 mm                                                                                            |
| <b>required spacing</b>                                                                                                                                     |                                                                                                  |
| <ul style="list-style-type: none"> <li>• with side-by-side mounting <ul style="list-style-type: none"> <li>— forwards</li> </ul> </li> </ul>                | 0 mm                                                                                             |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>— backwards</li> </ul> </li> </ul>                                           | 0 mm                                                                                             |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>— upwards</li> </ul> </li> </ul>                                             | 50 mm                                                                                            |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>— downwards</li> </ul> </li> </ul>                                           | 50 mm                                                                                            |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>— at the side</li> </ul> </li> </ul>                                         | 0 mm                                                                                             |
| <ul style="list-style-type: none"> <li>• for grounded parts <ul style="list-style-type: none"> <li>— forwards</li> </ul> </li> </ul>                        | 0 mm                                                                                             |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>— backwards</li> </ul> </li> </ul>                                           | 0 mm                                                                                             |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>— upwards</li> </ul> </li> </ul>                                             | 50 mm                                                                                            |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>— at the side</li> </ul> </li> </ul>                                         | 30 mm                                                                                            |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>— downwards</li> </ul> </li> </ul>                                           | 50 mm                                                                                            |
| <ul style="list-style-type: none"> <li>• for live parts <ul style="list-style-type: none"> <li>— forwards</li> </ul> </li> </ul>                            | 0 mm                                                                                             |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>— backwards</li> </ul> </li> </ul>                                           | 0 mm                                                                                             |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>— upwards</li> </ul> </li> </ul>                                             | 50 mm                                                                                            |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>— downwards</li> </ul> </li> </ul>                                           | 50 mm                                                                                            |

|                                                                                                                                                   |                                                                                         |
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| <ul style="list-style-type: none"> <li>— at the side</li> </ul>                                                                                   | 30 mm                                                                                   |
| <ul style="list-style-type: none"> <li>• for grounded parts at 400 V <ul style="list-style-type: none"> <li>— downwards</li> </ul> </li> </ul>    | 30 mm                                                                                   |
| <ul style="list-style-type: none"> <li>— upwards</li> </ul>                                                                                       | 30 mm                                                                                   |
| <ul style="list-style-type: none"> <li>— at the side</li> </ul>                                                                                   | 9 mm                                                                                    |
| <ul style="list-style-type: none"> <li>• for live parts at 400 V <ul style="list-style-type: none"> <li>— downwards</li> </ul> </li> </ul>        | 30 mm                                                                                   |
| <ul style="list-style-type: none"> <li>— upwards</li> </ul>                                                                                       | 30 mm                                                                                   |
| <ul style="list-style-type: none"> <li>— at the side</li> </ul>                                                                                   | 9 mm                                                                                    |
| <ul style="list-style-type: none"> <li>• for grounded parts at 500 V <ul style="list-style-type: none"> <li>— downwards</li> </ul> </li> </ul>    | 30 mm                                                                                   |
| <ul style="list-style-type: none"> <li>— upwards</li> </ul>                                                                                       | 30 mm                                                                                   |
| <ul style="list-style-type: none"> <li>— at the side</li> </ul>                                                                                   | 9 mm                                                                                    |
| <ul style="list-style-type: none"> <li>• for live parts at 500 V <ul style="list-style-type: none"> <li>— downwards</li> </ul> </li> </ul>        | 30 mm                                                                                   |
| <ul style="list-style-type: none"> <li>— upwards</li> </ul>                                                                                       | 30 mm                                                                                   |
| <ul style="list-style-type: none"> <li>— at the side</li> </ul>                                                                                   | 9 mm                                                                                    |
| <ul style="list-style-type: none"> <li>• for grounded parts at 690 V <ul style="list-style-type: none"> <li>— downwards</li> </ul> </li> </ul>    | 50 mm                                                                                   |
| <ul style="list-style-type: none"> <li>— upwards</li> </ul>                                                                                       | 50 mm                                                                                   |
| <ul style="list-style-type: none"> <li>— backwards</li> </ul>                                                                                     | 0 mm                                                                                    |
| <ul style="list-style-type: none"> <li>— at the side</li> </ul>                                                                                   | 30 mm                                                                                   |
| <ul style="list-style-type: none"> <li>— forwards</li> </ul>                                                                                      | 0 mm                                                                                    |
| <ul style="list-style-type: none"> <li>• for live parts at 690 V <ul style="list-style-type: none"> <li>— downwards</li> </ul> </li> </ul>        | 50 mm                                                                                   |
| <ul style="list-style-type: none"> <li>— upwards</li> </ul>                                                                                       | 50 mm                                                                                   |
| <ul style="list-style-type: none"> <li>— backwards</li> </ul>                                                                                     | 0 mm                                                                                    |
| <ul style="list-style-type: none"> <li>— at the side</li> </ul>                                                                                   | 30 mm                                                                                   |
| <ul style="list-style-type: none"> <li>— forwards</li> </ul>                                                                                      | 0 mm                                                                                    |
| <b>Connections/ Terminals</b>                                                                                                                     |                                                                                         |
| <b>product component removable terminal for auxiliary and control circuit</b>                                                                     | No                                                                                      |
| <b>type of electrical connection</b>                                                                                                              |                                                                                         |
| <ul style="list-style-type: none"> <li>• for main current circuit</li> </ul>                                                                      | screw-type terminals                                                                    |
| <ul style="list-style-type: none"> <li>• for auxiliary and control circuit</li> </ul>                                                             | screw-type terminals                                                                    |
| <b>arrangement of electrical connectors for main current circuit</b>                                                                              | Top and bottom                                                                          |
| <b>type of connectable conductor cross-sections</b>                                                                                               |                                                                                         |
| <ul style="list-style-type: none"> <li>• for main contacts <ul style="list-style-type: none"> <li>— solid or stranded</li> </ul> </li> </ul>      | 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 10 mm <sup>2</sup> )                       |
| <ul style="list-style-type: none"> <li>— finely stranded with core end processing</li> </ul>                                                      | 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> |
| <ul style="list-style-type: none"> <li>• for AWG cables for main contacts</li> </ul>                                                              | 2x (16 ... 12), 2x (14 ... 8)                                                           |
| <b>connectable conductor cross-section for main contacts</b>                                                                                      |                                                                                         |
| <ul style="list-style-type: none"> <li>• solid or stranded</li> </ul>                                                                             | 1 ... 10 mm <sup>2</sup>                                                                |
| <ul style="list-style-type: none"> <li>• finely stranded with core end processing</li> </ul>                                                      | 1 ... 10 mm <sup>2</sup>                                                                |
| <b>connectable conductor cross-section for auxiliary contacts</b>                                                                                 |                                                                                         |
| <ul style="list-style-type: none"> <li>• solid or stranded</li> </ul>                                                                             | 0.5 ... 2.5 mm <sup>2</sup>                                                             |
| <ul style="list-style-type: none"> <li>• finely stranded with core end processing</li> </ul>                                                      | 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> </ul> </li> </ul> | 2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )                   |
| <ul style="list-style-type: none"> <li>— finely stranded with core end processing</li> </ul>                                                      | 2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )                   |
| <ul style="list-style-type: none"> <li>• for AWG cables for auxiliary contacts</li> </ul>                                                         | 2x (20 ... 16), 2x (18 ... 14)                                                          |
| <b>AWG number as coded connectable conductor cross section for main contacts</b>                                                                  | 16 ... 8                                                                                |
| <b>AWG number as coded connectable conductor cross section for auxiliary contacts</b>                                                             | 20 ... 14                                                                               |
| <b>tightening torque</b>                                                                                                                          |                                                                                         |
| <ul style="list-style-type: none"> <li>• for main contacts with screw-type terminals</li> </ul>                                                   | 2 ... 2.5 N·m                                                                           |
| <ul style="list-style-type: none"> <li>• for auxiliary contacts with screw-type terminals</li> </ul>                                              | 0.8 ... 1.2 N·m                                                                         |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| design of screwdriver shaft                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Diameter 5 to 6 mm                               |
| size of the screwdriver tip                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pozidriv size 2                                  |
| design of the thread of the connection screw                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |
| • for main contacts                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | M4                                               |
| • of the auxiliary and control contacts                                                                                                                                                                                                                                                                                                                                                                                                                                                    | M3                                               |
| Safety related data                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                  |
| product function suitable for safety function                                                                                                                                                                                                                                                                                                                                                                                                                                              | Yes                                              |
| suitability for use                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                  |
| • safety-related switching on                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No                                               |
| • safety-related switching OFF                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Yes                                              |
| service life maximum                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 10 a                                             |
| test wear-related service life necessary                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Yes                                              |
| proportion of dangerous failures                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                  |
| • with low demand rate according to SN 31920                                                                                                                                                                                                                                                                                                                                                                                                                                               | 40 %                                             |
| • with high demand rate according to SN 31920                                                                                                                                                                                                                                                                                                                                                                                                                                              | 50 %                                             |
| B10 value with high demand rate according to SN 31920                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5 000                                            |
| failure rate [FIT] with low demand rate according to SN 31920                                                                                                                                                                                                                                                                                                                                                                                                                              | 50 FIT                                           |
| ISO 13849                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  |
| device type according to ISO 13849-1                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3                                                |
| overdimensioning according to ISO 13849-2 necessary                                                                                                                                                                                                                                                                                                                                                                                                                                        | Yes                                              |
| IEC 61508                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  |
| safety device type according to IEC 61508-2                                                                                                                                                                                                                                                                                                                                                                                                                                                | Type A                                           |
| T1 value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                  |
| • for proof test interval or service life according to IEC 61508                                                                                                                                                                                                                                                                                                                                                                                                                           | 10 a                                             |
| Electrical Safety                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                  |
| protection class IP on the front according to IEC 60529                                                                                                                                                                                                                                                                                                                                                                                                                                    | IP20                                             |
| touch protection on the front according to IEC 60529                                                                                                                                                                                                                                                                                                                                                                                                                                       | finger-safe, for vertical contact from the front |
| Display                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                  |
| display version for switching status                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Handle                                           |
| Approvals Certificates                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  |
| Environmental Product Declaration                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                  |
| • global warming potential [CO2 eq] / during manufacturing                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2.68 kg                                          |
| • global warming potential [CO2 eq] / during sales                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.143 kg                                         |
| • global warming potential [CO2 eq] / during operation                                                                                                                                                                                                                                                                                                                                                                                                                                     | 72.7 kg                                          |
| • global warming potential [CO2 eq] / after end of life                                                                                                                                                                                                                                                                                                                                                                                                                                    | -0.445 kg                                        |
| • global warming potential [CO2 eq] / total                                                                                                                                                                                                                                                                                                                                                                                                                                                | 75.078 kg                                        |
| Environment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | General Product Approval                         |
| <a href="#">Environmental Confirmations</a>             |                                                  |
| General Product Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                  |
|                                                           |                                                  |
| <a href="#">Special Test Certificate</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                  |
| Test Certificates                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                  |
| Maritime application                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  |
| <a href="#">Type Test Certificates/Test Report</a>      |                                                  |
| Maritime application                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | other                                            |
| Railway                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                  |



[Miscellaneous](#)

[Confirmation](#)

[Miscellaneous](#)



[Confirmation](#)

## Railway

[Special Test Certificate](#)

## Further information

### Information on the packaging

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

### Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

### 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=3RV2421-4CA15>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV2421-4CA15>

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

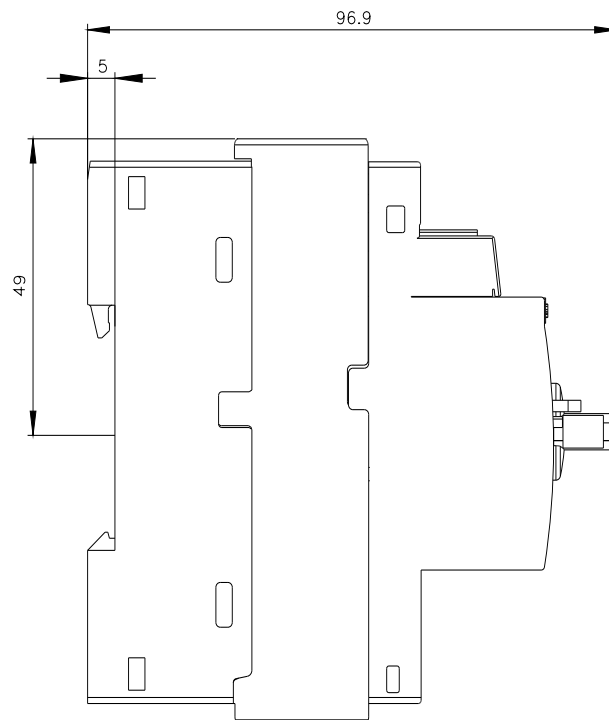
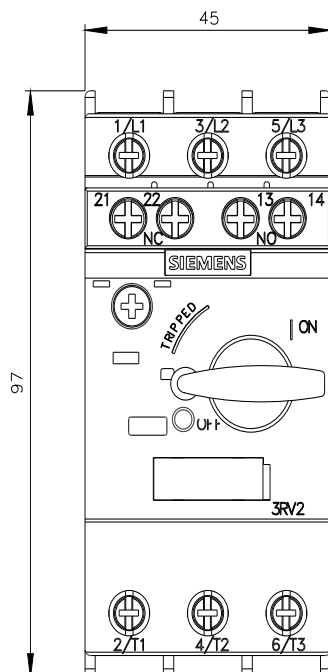
[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RV2421-4CA15&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2421-4CA15&lang=en)

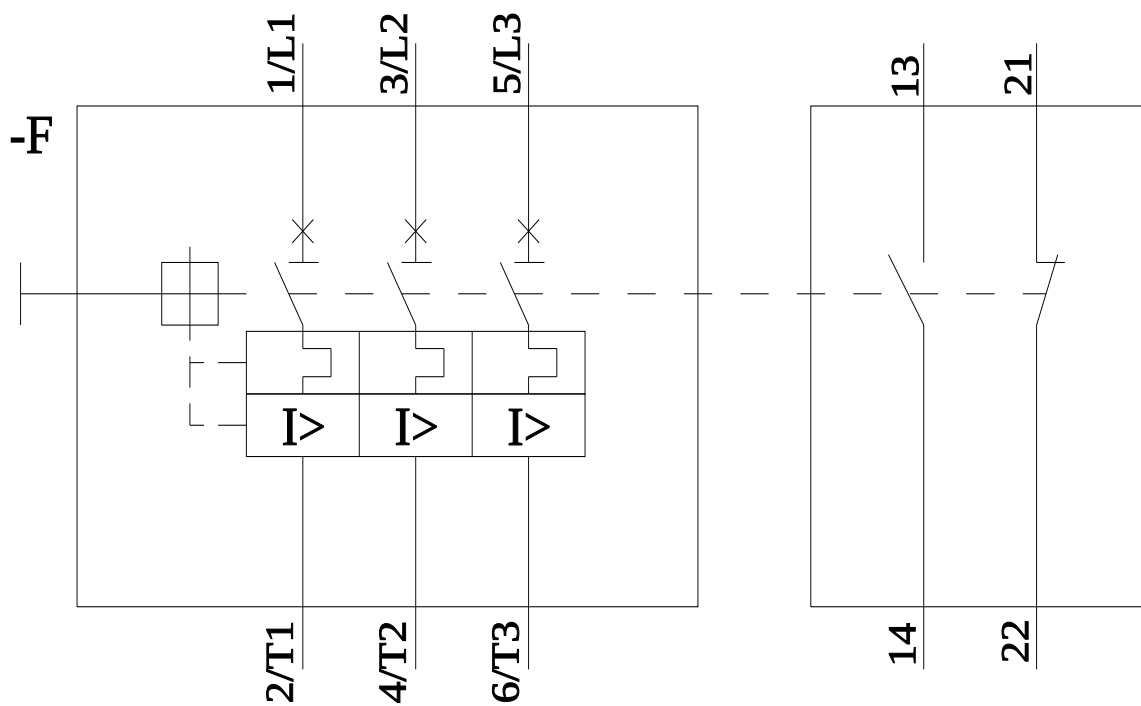
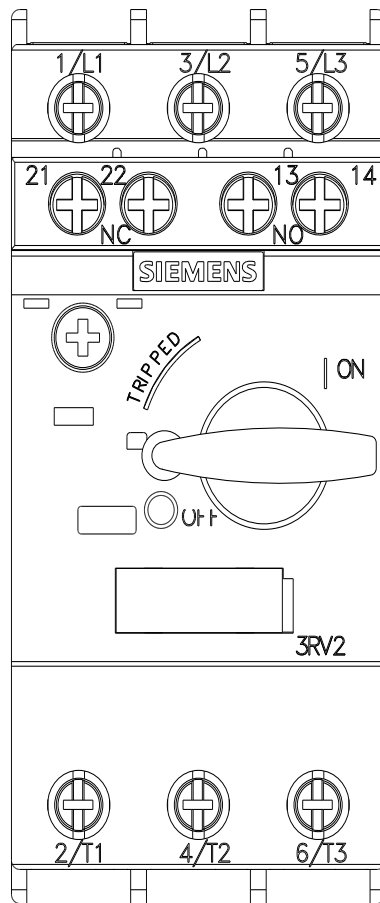
### Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2421-4CA15>

### Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP="HAUPT"></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)





last modified:

5/5/2026