

Siemens  
EcoTech



Circuit breaker size S0 for transformer protection A-release 16...22 A N-release 364 A Spring-type terminal Standard switching capacity

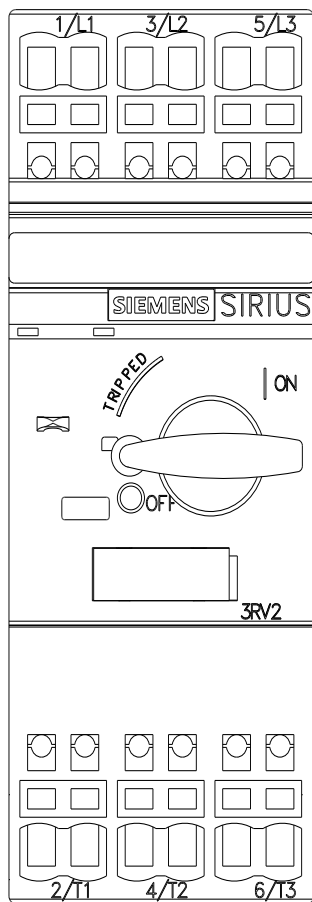
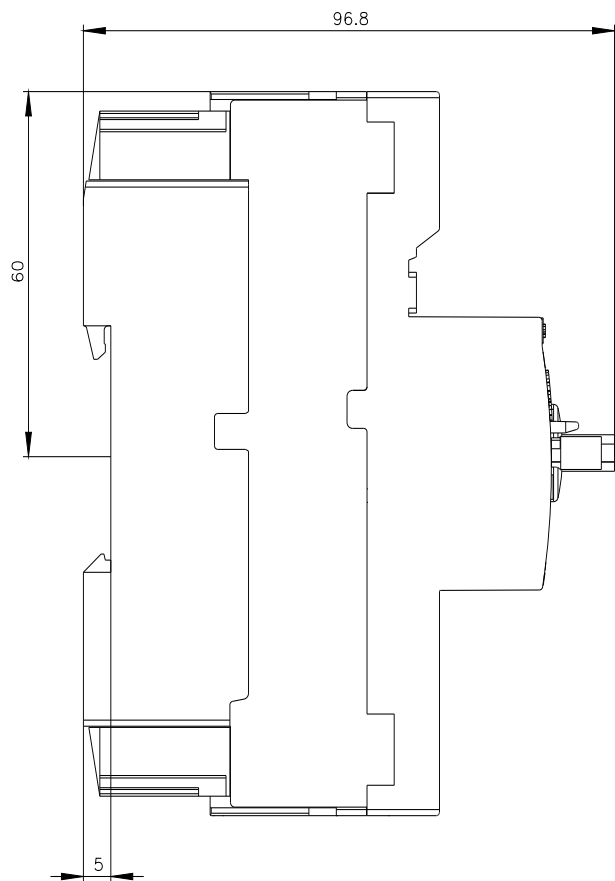
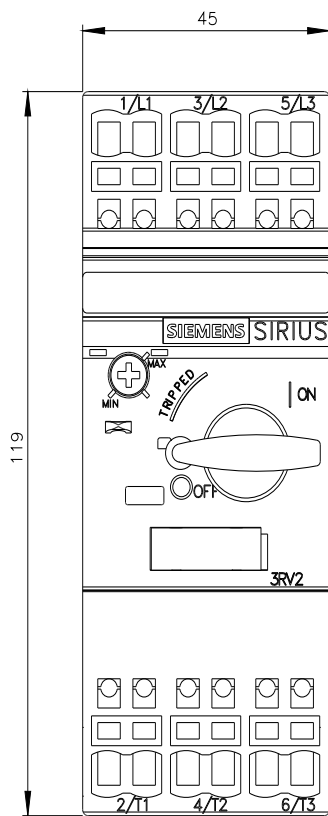
|                                                                                                |                            |
|------------------------------------------------------------------------------------------------|----------------------------|
| product brand name                                                                             | 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                                                                                     | 0.429 kg                   |
| <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>type of voltage for auxiliary and control circuit</b>                                   | AC/DC          |
| <b>number of NC contacts for auxiliary contacts</b>                                        | 0              |
| <b>number of NO contacts for auxiliary contacts</b>                                        | 0              |
| number of CO contacts for auxiliary contacts                                               | 0              |
| <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          |
| • at AC at 500 V rated value                                                               | 10 kA          |
| • at AC at 690 V rated value                                                               | 4 kA           |
| <b>operating short-circuit current breaking capacity (Ics) at AC</b>                       |                |
| • at 240 V rated value                                                                     | 100 kA         |
| • at 400 V rated value                                                                     | 25 kA          |
| • at 500 V rated value                                                                     | 5 kA           |
| • at 690 V rated value                                                                     | 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>                                                                                             |                                                                          |
| • at 480 V rated value                                                                                                                          | 22 A                                                                     |
| • at 600 V rated value                                                                                                                          | 22 A                                                                     |
| <b>yielded mechanical performance [hp]</b>                                                                                                      |                                                                          |
| • for single-phase AC motor                                                                                                                     |                                                                          |
| — at 110/120 V rated value                                                                                                                      | 1.5 hp                                                                   |
| — at 230 V rated value                                                                                                                          | 3 hp                                                                     |
| • for 3-phase AC motor                                                                                                                          |                                                                          |
| — at 200/208 V rated value                                                                                                                      | 7.5 hp                                                                   |
| — at 220/230 V rated value                                                                                                                      | 7.5 hp                                                                   |
| — at 460/480 V rated value                                                                                                                      | 15 hp                                                                    |
| <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 for IT network for short-circuit protection of the main circuit</b>                                                  |                                                                          |
| • at 400 V                                                                                                                                      | gL/gG 63 A                                                               |
| • at 500 V                                                                                                                                      | gL/gG 50 A                                                               |
| • at 690 V                                                                                                                                      | 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>                                                                                                                                   | 119 mm                                                                   |
| <b>width</b>                                                                                                                                    | 45 mm                                                                    |
| <b>depth</b>                                                                                                                                    | 97 mm                                                                    |
| <b>required spacing</b>                                                                                                                         |                                                                          |
| • with side-by-side mounting                                                                                                                    |                                                                          |
| — forwards                                                                                                                                      | 0 mm                                                                     |
| — backwards                                                                                                                                     | 0 mm                                                                     |
| — upwards                                                                                                                                       | 50 mm                                                                    |
| — downwards                                                                                                                                     | 50 mm                                                                    |
| — at the side                                                                                                                                   | 0 mm                                                                     |
| • for grounded parts                                                                                                                            |                                                                          |
| — forwards                                                                                                                                      | 0 mm                                                                     |
| — backwards                                                                                                                                     | 0 mm                                                                     |
| — upwards                                                                                                                                       | 50 mm                                                                    |
| — at the side                                                                                                                                   | 30 mm                                                                    |
| — downwards                                                                                                                                     | 50 mm                                                                    |
| • for live parts                                                                                                                                |                                                                          |
| — forwards                                                                                                                                      | 0 mm                                                                     |
| — backwards                                                                                                                                     | 0 mm                                                                     |
| — upwards                                                                                                                                       | 50 mm                                                                    |
| — downwards                                                                                                                                     | 50 mm                                                                    |
| — at the side                                                                                                                                   | 30 mm                                                                    |
| • for grounded parts at 400 V                                                                                                                   |                                                                          |
| — downwards                                                                                                                                     | 30 mm                                                                    |
| — upwards                                                                                                                                       | 30 mm                                                                    |
| — at the side                                                                                                                                   | 9 mm                                                                     |
| • for live parts at 400 V                                                                                                                       |                                                                          |
| — downwards                                                                                                                                     | 30 mm                                                                    |
| — upwards                                                                                                                                       | 30 mm                                                                    |
| — at the side                                                                                                                                   | 9 mm                                                                     |
| • for grounded parts at 500 V                                                                                                                   |                                                                          |
| — downwards                                                                                                                                     | 30 mm                                                                    |
| — upwards                                                                                                                                       | 30 mm                                                                    |
| — at the side                                                                                                                                   | 9 mm                                                                     |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• for live parts at 500 V <ul style="list-style-type: none"> <li>— downwards</li> <li>— upwards</li> <li>— at the side</li> </ul> </li> <li>• for grounded parts at 690 V <ul style="list-style-type: none"> <li>— downwards</li> <li>— upwards</li> <li>— backwards</li> <li>— at the side</li> <li>— forwards</li> </ul> </li> <li>• for live parts at 690 V <ul style="list-style-type: none"> <li>— downwards</li> <li>— upwards</li> <li>— backwards</li> <li>— at the side</li> <li>— forwards</li> </ul> </li> </ul> | 30 mm<br>30 mm<br>9 mm<br><br>50 mm<br>50 mm<br>0 mm<br>30 mm<br>0 mm<br><br>50 mm<br>50 mm<br>0 mm<br>30 mm<br>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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | spring-loaded 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> <li>— finely stranded with core end processing</li> <li>— finely stranded without core end processing</li> </ul> </li> <li>• for AWG cables for main contacts</li> </ul>                                                                                                                                                                                                                                                                | 2x (1 ... 10 mm <sup>2</sup> )<br>2x (1 ... 6 mm <sup>2</sup> )<br>2x (1 ... 6 mm <sup>2</sup> )<br>2x (18 ... 8)    |
| <b>connectable conductor cross-section for main contacts</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                      |
| <ul style="list-style-type: none"> <li>• solid or stranded</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                   | 1 ... 10 mm <sup>2</sup><br>1 ... 6 mm <sup>2</sup><br>1 ... 6 mm <sup>2</sup>                                       |
| <b>AWG number as coded connectable conductor cross section for main contacts</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 18 ... 8                                                                                                             |
| <b>design of screwdriver shaft</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Diameter 3 mm                                                                                                        |
| <b>size of the screwdriver tip</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3,0 x 0,5 mm                                                                                                         |
| <b>Safety related data</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                      |
| product function suitable for safety function                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Yes                                                                                                                  |
| <b>suitability for use</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                      |
| <ul style="list-style-type: none"> <li>• safety-related switching on</li> <li>• safety-related switching OFF</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                            | No<br>Yes                                                                                                            |
| <b>service life maximum</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 10 a                                                                                                                 |
| <b>test wear-related service life necessary</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Yes                                                                                                                  |
| <b>proportion of dangerous failures</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                      |
| <ul style="list-style-type: none"> <li>• with low demand rate according to SN 31920</li> <li>• with high demand rate according to SN 31920</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                              | 40 %<br>50 %                                                                                                         |
| <b>B10 value with high demand rate according to SN 31920</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5 000                                                                                                                |
| <b>failure rate [FIT] with low demand rate according to SN 31920</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 50 FIT                                                                                                               |
| <b>ISO 13849</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                      |
| <b>device type according to ISO 13849-1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                                                                                                                    |
| <b>overdimensioning according to ISO 13849-2 necessary</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Yes                                                                                                                  |
| <b>IEC 61508</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                      |
| <b>safety device type according to IEC 61508-2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Type A                                                                                                               |
| <b>T1 value</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                      |
| <ul style="list-style-type: none"> <li>• for proof test interval or service life according to IEC 61508</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10 a                                                                                                                 |
| <b>Electrical Safety</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                      |
| <b>protection class IP on the front according to IEC 60529</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                            |
| <ul style="list-style-type: none"><li>• global warming potential [CO2 eq] / during manufacturing</li><li>• global warming potential [CO2 eq] / during sales</li><li>• global warming potential [CO2 eq] / during operation</li><li>• global warming potential [CO2 eq] / after end of life</li><li>• global warming potential [CO2 eq] / total</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <div>2.68 kg</div> <div>0.143 kg</div> <div>72.7 kg</div> <div>-0.445 kg</div> <div>75.078 kg</div>                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                            |
| Environment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | General Product Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                            |
| <a href="#">Environmental Confirmations</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <div><div></div><div></div><div></div><div></div><div></div></div> |                                                                                                                                                                                            |
| General Product Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Test Certificates                                                                                                                                                                          |
| <div><div></div><div></div><div></div><div></div><div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">Special Test Certificate</a>                                                                                                                                                   |
| Test Certificates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Maritime application                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                            |
| <a href="#">Type Test Certificates/Test Report</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <div><div></div><div></div><div></div><div></div><div></div></div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                            |
| Maritime application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Railway                                                                                                                                                                                    |
| <div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <a href="#">Miscellaneous</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Confirmation</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <div><div><a href="#">Miscellaneous</a></div><div></div><div><a href="#">Confirmation</a></div></div> |
| Railway                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                            |
| <a href="#">Special Test Certificate</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                            |
| Further information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                            |
| <div><div>Information on the packaging</div><div><a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a></div><div>Information for data generation and storage</div><div><a href="https://support.industry.siemens.com/cs/ww/en/view/109995012">https://support.industry.siemens.com/cs/ww/en/view/109995012</a></div><div>Information- and Downloadcenter (Catalogs, Brochures,...)</div><div><a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a></div><div>Industry Mall (Online ordering system)</div><div><a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2421-4CA20">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2421-4CA20</a></div><div>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</div><div><a href="https://support.industry.siemens.com/cs/ww/en/ps/3RV2421-4CA20">https://support.industry.siemens.com/cs/ww/en/ps/3RV2421-4CA20</a></div><div>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)</div><div><a href="https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2421-4CA20&amp;lang=en">https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2421-4CA20&amp;lang=en</a></div><div>Cax online generator</div><div><a href="https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3RV2421-4CA20">https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3RV2421-4CA20</a></div><div>Characteristic curves</div><div><a href='https://curves.simaris.siemens.com/curves/&lt;mmp_prod_noCOMP="HAUPT"&gt;&lt;/mmp_prod_no&gt;'>https://curves.simaris.siemens.com/curves/&lt;mmp_prod_noCOMP="HAUPT"&gt;&lt;/mmp_prod_no&gt;</a></div></div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                            |





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5/5/2026 