



traction contactor, AC-3e/AC-3, 80 A, 37 kW / 400 V, 3-pole, 110 V DC, 0.7-1.25\*  
Uc, solid-state operating mechanism, with integrated varistor, auxiliary contacts: 2  
NO + 2 NC, main circuit: screw terminal, control and auxiliary circuit: spring-loaded  
terminal, frame size: S2, removable auxiliary switch

|                                                                                                              |                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| product brand name                                                                                           | SIRIUS                                                                                                                                                                             |
| product designation                                                                                          | Power contactor                                                                                                                                                                    |
| design of the product                                                                                        | With extended operating range                                                                                                                                                      |
| product type designation                                                                                     | 3RT2                                                                                                                                                                               |
| <b>General technical data</b>                                                                                |                                                                                                                                                                                    |
| size of contactor                                                                                            | S2                                                                                                                                                                                 |
| product extension                                                                                            |                                                                                                                                                                                    |
| • function module for communication                                                                          | No                                                                                                                                                                                 |
| • auxiliary switch                                                                                           | Yes                                                                                                                                                                                |
| power loss [W] for rated value of the current                                                                |                                                                                                                                                                                    |
| • at AC in hot operating state                                                                               | 17.1 W                                                                                                                                                                             |
| • at AC in hot operating state per pole                                                                      | 5.7 W                                                                                                                                                                              |
| • without load current share typical                                                                         | 1 W                                                                                                                                                                                |
| type of calculation of power loss current-dependent                                                          | quadratic                                                                                                                                                                          |
| insulation voltage                                                                                           |                                                                                                                                                                                    |
| • of main circuit with degree of pollution 3 rated value                                                     | 690 V                                                                                                                                                                              |
| • of auxiliary circuit with degree of pollution 3 rated value                                                | 690 V                                                                                                                                                                              |
| surge voltage resistance                                                                                     |                                                                                                                                                                                    |
| • of main circuit rated value                                                                                | 6 kV                                                                                                                                                                               |
| • of auxiliary circuit rated value                                                                           | 6 kV                                                                                                                                                                               |
| maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 | 400 V                                                                                                                                                                              |
| shock resistance at rectangular impulse                                                                      |                                                                                                                                                                                    |
| • at DC                                                                                                      | 6.1 g / 5 ms, 3.7 g / 10 ms                                                                                                                                                        |
| shock resistance with sine pulse                                                                             |                                                                                                                                                                                    |
| • at DC                                                                                                      | 9.6 g / 5 ms, 5.8 g / 10 ms                                                                                                                                                        |
| mechanical service life (operating cycles)                                                                   |                                                                                                                                                                                    |
| • of contactor typical                                                                                       | 10 000 000                                                                                                                                                                         |
| • of the contactor with added electronically optimized auxiliary switch block typical                        | 5 000 000                                                                                                                                                                          |
| • of the contactor with added auxiliary switch block typical                                                 | 10 000 000                                                                                                                                                                         |
| reference code according to IEC 81346-2                                                                      | Q                                                                                                                                                                                  |
| Substance Prohibitance (day/month/year)                                                                      | 10/01/2014                                                                                                                                                                         |
| SVHC substance name                                                                                          | Lead CAS-No. 7439-92-1<br>Lead monoxide (lead oxide) CAS-No. 1317-36-8<br>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5<br>Melamine CAS-No. 108-78-1 |
| Net Weight                                                                                                   | 1.187 kg                                                                                                                                                                           |
| <b>Ambient conditions</b>                                                                                    |                                                                                                                                                                                    |
| installation altitude at height above sea level maximum                                                      | 2 000 m                                                                                                                                                                            |

|                                                                        |                    |
|------------------------------------------------------------------------|--------------------|
| <b>ambient temperature</b>                                             |                    |
| • during operation                                                     | -40 ... +70 °C     |
| • during storage                                                       | -55 ... +80 °C     |
| <b>relative humidity minimum</b>                                       | 10 %               |
| <b>relative humidity at 55 °C according to IEC 60068-2-30 maximum</b>  | 95 %               |
| <b>Main circuit</b>                                                    |                    |
| <b>number of poles for main current circuit</b>                        | 3                  |
| <b>number of NO contacts for main contacts</b>                         | 3                  |
| <b>operating voltage</b>                                               |                    |
| • at AC-3 rated value maximum                                          | 690 V              |
| • at AC-3e rated value maximum                                         | 690 V              |
| <b>operational current</b>                                             |                    |
| • at AC-1 at 400 V at ambient temperature 40 °C rated value            | 90 A               |
| • at AC-1                                                              |                    |
| — up to 690 V at ambient temperature 40 °C rated value                 | 90 A               |
| — up to 690 V at ambient temperature 60 °C rated value                 | 80 A               |
| • at AC-2 at 400 V rated value                                         | 80 A               |
| • at AC-3                                                              |                    |
| — at 400 V rated value                                                 | 80 A               |
| — at 500 V rated value                                                 | 80 A               |
| — at 690 V rated value                                                 | 58 A               |
| • at AC-3e                                                             |                    |
| — at 400 V rated value                                                 | 80 A               |
| — at 500 V rated value                                                 | 80 A               |
| — at 690 V rated value                                                 | 58 A               |
| • at AC-4 at 400 V rated value                                         | 55 A               |
| <b>minimum cross-section in main circuit</b>                           |                    |
| • at maximum AC-1 rated value                                          | 35 mm <sup>2</sup> |
| • at maximum Ith rated value                                           | 35 mm <sup>2</sup> |
| <b>operational current for approx. 200000 operating cycles at AC-4</b> |                    |
| • at 400 V rated value                                                 | 30 A               |
| • at 690 V rated value                                                 | 24 A               |
| <b>operational current</b>                                             |                    |
| • <b>at 1 current path at DC-1</b>                                     |                    |
| — at 24 V rated value                                                  | 55 A               |
| — at 110 V rated value                                                 | 4.5 A              |
| — at 220 V rated value                                                 | 1 A                |
| — at 440 V rated value                                                 | 0.4 A              |
| — at 600 V rated value                                                 | 0.25 A             |
| • <b>with 2 current paths in series at DC-1</b>                        |                    |
| — at 24 V rated value                                                  | 55 A               |
| — at 110 V rated value                                                 | 45 A               |
| — at 220 V rated value                                                 | 5 A                |
| — at 440 V rated value                                                 | 1 A                |
| — at 600 V rated value                                                 | 0.8 A              |
| • <b>with 3 current paths in series at DC-1</b>                        |                    |
| — at 24 V rated value                                                  | 55 A               |
| — at 110 V rated value                                                 | 55 A               |
| — at 220 V rated value                                                 | 45 A               |
| — at 440 V rated value                                                 | 2.9 A              |
| — at 600 V rated value                                                 | 1.4 A              |
| • <b>at 1 current path at DC-3 at DC-5</b>                             |                    |
| — at 24 V rated value                                                  | 35 A               |
| — at 110 V rated value                                                 | 2.5 A              |
| — at 220 V rated value                                                 | 1 A                |

|                                                                                       |                                                             |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------|
| — at 440 V rated value                                                                | 0.1 A                                                       |
| — at 600 V rated value                                                                | 0.06 A                                                      |
| ● <b>with 2 current paths in series at DC-3 at DC-5</b>                               |                                                             |
| — at 24 V rated value                                                                 | 55 A                                                        |
| — at 110 V rated value                                                                | 25 A                                                        |
| — at 220 V rated value                                                                | 5 A                                                         |
| — at 440 V rated value                                                                | 0.27 A                                                      |
| — at 600 V rated value                                                                | 0.16 A                                                      |
| ● <b>with 3 current paths in series at DC-3 at DC-5</b>                               |                                                             |
| — at 24 V rated value                                                                 | 55 A                                                        |
| — at 110 V rated value                                                                | 55 A                                                        |
| — at 220 V rated value                                                                | 25 A                                                        |
| — at 440 V rated value                                                                | 0.6 A                                                       |
| — at 600 V rated value                                                                | 0.35 A                                                      |
| <b>operating power</b>                                                                |                                                             |
| ● at AC-2 at 400 V rated value                                                        | 37 kW                                                       |
| ● at AC-3                                                                             |                                                             |
| — at 230 V rated value                                                                | 22 kW                                                       |
| — at 400 V rated value                                                                | 37 kW                                                       |
| — at 500 V rated value                                                                | 37 kW                                                       |
| — at 690 V rated value                                                                | 45 kW                                                       |
| ● at AC-3e                                                                            |                                                             |
| — at 230 V rated value                                                                | 22 kW                                                       |
| — at 400 V rated value                                                                | 37 kW                                                       |
| — at 500 V rated value                                                                | 37 kW                                                       |
| — at 690 V rated value                                                                | 45 kW                                                       |
| <b>operating power for approx. 200000 operating cycles at AC-4</b>                    |                                                             |
| ● at 400 V rated value                                                                | 15.8 kW                                                     |
| ● at 690 V rated value                                                                | 21.8 kW                                                     |
| <b>short-time withstand current in cold operating state up to 40 °C</b>               |                                                             |
| ● limited to 1 s switching at zero current maximum                                    | 1 298 A; Use minimum cross-section acc. to AC-1 rated value |
| ● limited to 5 s switching at zero current maximum                                    | 898 A; Use minimum cross-section acc. to AC-1 rated value   |
| ● limited to 10 s switching at zero current maximum                                   | 640 A; Use minimum cross-section acc. to AC-1 rated value   |
| ● limited to 30 s switching at zero current maximum                                   | 414 A; Use minimum cross-section acc. to AC-1 rated value   |
| ● limited to 60 s switching at zero current maximum                                   | 333 A; Use minimum cross-section acc. to AC-1 rated value   |
| <b>no-load switching frequency</b>                                                    |                                                             |
| ● at DC                                                                               | 1 500 1/h                                                   |
| <b>operating frequency</b>                                                            |                                                             |
| ● at AC-2 at AC-3e maximum                                                            | 350 1/h                                                     |
| ● at AC-4 maximum                                                                     | 150 1/h                                                     |
| <b>Ratings for railway applications</b>                                               |                                                             |
| <b>thermal current (I<sub>th</sub>) up to 690 V</b>                                   |                                                             |
| ● up to 40 °C according to IEC 60077 rated value                                      | 90 A                                                        |
| ● up to 70 °C according to IEC 60077 rated value                                      | 75 A                                                        |
| <b>Control circuit/ Control</b>                                                       |                                                             |
| <b>type of voltage</b>                                                                | DC                                                          |
| <b>type of voltage of the control supply voltage</b>                                  | DC                                                          |
| <b>control supply voltage at DC rated value</b>                                       | 110 V                                                       |
| <b>operating range factor control supply voltage rated value of magnet coil at DC</b> |                                                             |
| ● initial value                                                                       | 0.7                                                         |
| ● full-scale value                                                                    | 1.25                                                        |
| <b>design of the surge suppressor</b>                                                 | with varistor                                               |
| <b>inrush current peak</b>                                                            | 1.5 A                                                       |
| <b>duration of inrush current peak</b>                                                | 50 µs                                                       |
| <b>pickup current mean value</b>                                                      | 0.45 A                                                      |
| <b>pickup current peak</b>                                                            | 0.8 A                                                       |
| <b>duration of pickup current</b>                                                     | 230 ms                                                      |

|                                                                                                           |                                                                                  |
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| holding current mean value                                                                                | 12 mA                                                                            |
| closing power of magnet coil at DC                                                                        | 23 W                                                                             |
| holding power of magnet coil at DC                                                                        | 1 W                                                                              |
| closing delay                                                                                             |                                                                                  |
| • at DC                                                                                                   | 35 ... 110 ms                                                                    |
| opening delay                                                                                             |                                                                                  |
| • at DC                                                                                                   | 30 ... 55 ms                                                                     |
| arcing time                                                                                               | 10 ... 20 ms                                                                     |
| control version of the switch operating mechanism                                                         | Standard A1 - A2                                                                 |
| <b>Auxiliary circuit</b>                                                                                  |                                                                                  |
| number of NC contacts for auxiliary contacts                                                              | 2                                                                                |
| • instantaneous contact                                                                                   | 2                                                                                |
| number of NO contacts for auxiliary contacts                                                              | 2                                                                                |
| • instantaneous contact                                                                                   | 2                                                                                |
| operational current at AC-12 maximum                                                                      | 10 A                                                                             |
| operational current at AC-15                                                                              |                                                                                  |
| • at 230 V rated value                                                                                    | 6 A                                                                              |
| • at 400 V rated value                                                                                    | 3 A                                                                              |
| • at 500 V rated value                                                                                    | 2 A                                                                              |
| • at 690 V rated value                                                                                    | 1 A                                                                              |
| operational current at DC-12                                                                              |                                                                                  |
| • at 24 V rated value                                                                                     | 10 A                                                                             |
| • at 48 V rated value                                                                                     | 6 A                                                                              |
| • at 60 V rated value                                                                                     | 6 A                                                                              |
| • at 110 V rated value                                                                                    | 3 A                                                                              |
| • at 125 V rated value                                                                                    | 2 A                                                                              |
| • at 220 V rated value                                                                                    | 1 A                                                                              |
| • at 600 V rated value                                                                                    | 0.15 A                                                                           |
| operational current at DC-13                                                                              |                                                                                  |
| • at 24 V rated value                                                                                     | 6 A                                                                              |
| • at 48 V rated value                                                                                     | 2 A                                                                              |
| • at 60 V rated value                                                                                     | 2 A                                                                              |
| • at 110 V rated value                                                                                    | 1 A                                                                              |
| • at 125 V rated value                                                                                    | 0.9 A                                                                            |
| • at 220 V rated value                                                                                    | 0.3 A                                                                            |
| • at 600 V rated value                                                                                    | 0.1 A                                                                            |
| <b>UL/CSA ratings</b>                                                                                     |                                                                                  |
| full-load current (FLA) for 3-phase AC motor                                                              |                                                                                  |
| • at 480 V rated value                                                                                    | 65 A                                                                             |
| • at 600 V rated value                                                                                    | 62 A                                                                             |
| yielded mechanical performance [hp]                                                                       |                                                                                  |
| • for single-phase AC motor                                                                               |                                                                                  |
| — at 110/120 V rated value                                                                                | 5 hp                                                                             |
| — at 230 V rated value                                                                                    | 15 hp                                                                            |
| • for 3-phase AC motor                                                                                    |                                                                                  |
| — at 200/208 V rated value                                                                                | 20 hp                                                                            |
| — at 220/230 V rated value                                                                                | 25 hp                                                                            |
| — at 460/480 V rated value                                                                                | 50 hp                                                                            |
| — at 575/600 V rated value                                                                                | 60 hp                                                                            |
| contact rating of auxiliary contacts according to UL                                                      | A600 / Q600                                                                      |
| <b>Short-circuit protection</b>                                                                           |                                                                                  |
| design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V | C characteristic: 10 A; 0.4 kA                                                   |
| design of the fuse link                                                                                   |                                                                                  |
| • for short-circuit protection of the main circuit                                                        |                                                                                  |
| — with type of coordination 1 required                                                                    | gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA) |
| — with type of coordination 2 required                                                                    | gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA)  |
| • for short-circuit protection of the auxiliary switch required                                           | gG: 10 A (690 V, 1 kA)                                                           |

| Installation/ mounting/ dimensions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                      |
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| <b>mounting position</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface |
| fastening method side-by-side mounting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Yes                                                                                                                                  |
| <b>fastening method</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715                                                             |
| <b>height</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 114 mm                                                                                                                               |
| <b>width</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 55 mm                                                                                                                                |
| <b>depth</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 178 mm                                                                                                                               |
| <b>required spacing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                      |
| <ul style="list-style-type: none"> <li>• with side-by-side mounting <ul style="list-style-type: none"> <li>— forwards</li> <li>— upwards</li> <li>— downwards</li> <li>— at the side</li> </ul> </li> <li>• for grounded parts <ul style="list-style-type: none"> <li>— forwards</li> <li>— upwards</li> <li>— at the side</li> <li>— downwards</li> </ul> </li> <li>• for live parts <ul style="list-style-type: none"> <li>— forwards</li> <li>— upwards</li> <li>— downwards</li> <li>— at the side</li> </ul> </li> </ul> | 10 mm<br>10 mm<br>10 mm<br>0 mm<br><br>10 mm<br>10 mm<br>6 mm<br>10 mm<br><br>10 mm<br>10 mm<br>10 mm<br>6 mm                        |
| Connections/ Terminals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                      |
| <b>type of electrical connection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                      |
| <ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for auxiliary and control circuit</li> <li>• at contactor for auxiliary contacts</li> <li>• of magnet coil</li> </ul>                                                                                                                                                                                                                                                                                                                            | screw-type terminals<br>spring-loaded terminals<br>Spring-type terminals<br>Spring-loaded terminal                                   |
| <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> </ul> </li> <li>• for AWG cables for main contacts</li> </ul>                                                                                                                                                                                                                                                                                  | 2x (1 ... 35 mm²), 1x (1 ... 50 mm²)<br>2x (1 ... 25 mm²), 1x (1 ... 35 mm²)<br>2x (18 ... 2), 1x (18 ... 1)                         |
| <b>type of connectable conductor cross-sections</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                      |
| <ul style="list-style-type: none"> <li>• for auxiliary contacts <ul style="list-style-type: none"> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>— finely stranded without core end processing</li> </ul> </li> <li>• for AWG cables for auxiliary contacts</li> </ul>                                                                                                                                                                                                                 | 2x (0.5 ... 2.5 mm²)<br>2x (0.5 ... 1.5 mm²)<br>2x (0.5 ... 2.5 mm²)<br>2x (20 ... 14)                                               |
| <b>AWG number as coded connectable conductor cross section for main contacts</b>                                                                                                                                                                                                                                                                                                                                                                                                                                              | 18 ... 1                                                                                                                             |
| <b>AWG number as coded connectable conductor cross section for auxiliary contacts</b>                                                                                                                                                                                                                                                                                                                                                                                                                                         | 20 ... 14                                                                                                                            |
| Safety related data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                      |
| <b>product function</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                      |
| <ul style="list-style-type: none"> <li>• mirror contact according to IEC 60947-4-1</li> <li>• positively driven operation according to IEC 60947-5-1</li> <li>• suitable for safety function</li> </ul>                                                                                                                                                                                                                                                                                                                       | Yes<br>No<br>Yes                                                                                                                     |
| <b>suitability for use safety-related switching OFF</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Yes                                                                                                                                  |
| <b>service life maximum</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20 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>73 %                                                                                                                         |
| <b>B10 value with high demand rate according to SN 31920</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 000 000                                                                                                                            |
| <b>failure rate [FIT] with low demand rate according to SN 31920</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 100 FIT                                                                                                                              |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                               |                                                         |
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| ISO 13849                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                               |                                                         |
| device type according to ISO 13849-1                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                               |                                                         |
| overdimensioning according to ISO 13849-2 necessary                                                                                                                                                                                                                                                                                                                                                                                                                                          | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                               |                                                         |
| IEC 61508                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                               |                                                         |
| safety device type according to IEC 61508-2                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Type A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                               |                                                         |
| Electrical Safety                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                               |                                                         |
| protection class IP on the front according to IEC 60529                                                                                                                                                                                                                                                                                                                                                                                                                                      | IP20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                               |                                                         |
| touch protection on the front according to IEC 60529                                                                                                                                                                                                                                                                                                                                                                                                                                         | finger-safe, for vertical contact from the front                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                               |                                                         |
| Communication/ Protocol                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                               |                                                         |
| product function bus communication                                                                                                                                                                                                                                                                                                                                                                                                                                                           | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                               |                                                         |
| 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 operation</li><li>• global warming potential [CO2 eq] / after end of life</li><li>• global warming potential [CO2 eq] / total</li></ul>                                                                                                                                                                                                | <div>5.88 kg</div> <div>102 kg</div> <div>-0.988 kg</div> <div>107 kg</div>                                                                                                                                                                                                                                                                                                                                                                                                                 |                                               |                                                         |
| Environment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | General Product Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                               |                                                         |
| <a href="#">Environmental Con-<br/>firmations</a>                                                                                                                                                                                                                                                                                                                                                                                                                                            | <div><div></div><div></div><div></div><div></div><div></div></div> |                                               |                                                         |
| General Product Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | EMV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Test Certificates                             |                                                         |
| <div></div> <div></div> <div></div> <div></div>                                                                                                      | <a href="#">Type Test Certifi-<br/>ates/Test Report</a>                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Special Test Certifi-<br/>ate</a> |                                                         |
| Maritime application                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | other                                         |                                                         |
| <div></div> <div></div> <div></div> <div></div> <div></div> | <a href="#">Miscellaneous</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                               |                                                         |
| other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Railway                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                               |                                                         |
| <a href="#">Confirmation</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <div><div>产品合格</div><div>QC PASS</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Special Test Certifi-<br/>ate</a> | <a href="#">Type Test Certifi-<br/>ates/Test Report</a> |

#### Further information

##### Information on the packaging

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

##### Information for data generation and storage

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

##### Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

##### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2038-3XF44-0LA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2038-3XF44-0LA2>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RT2038-3XF44-0LA2&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2038-3XF44-0LA2&lang=en)

##### Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2038-3XF44-0LA2>

##### Kennlinien

<https://curves.simaris.siemens.com/curves/3RT2038-3XF44-0LA2>



