# **SIEMENS**

Data sheet 3RT2036-1AR60



power contactor, AC-3e/AC-3, 51 A, 22 kW / 400 V, 3-pole, 400 V AC, 50 Hz / 400-440 V, 60 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S2

| product designation 9RT2  Grorral technical data  size of contactor  size of contactor  size of contactor  sudiliary switch  • unction module for communication • auxiliary switch • at AC in hot operating state • at AC in hot operating state • of main circuit with degree of pollution 3 rated value • of main circuit with degree of pollution 3 rated value • of main circuit rated value • of auxiliary circuit rated value • at AC  11.8g / 5 ms, 7.4g / 10 ms  shock resistance at rectangular impulse • at AC  11.8g / 5 ms, 7.4g / 10 ms  shock resistance with added electronically optimized auxiliary switch block typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch  | product brand name  | SIRIUS                      |
|--|---|-----------------------------|
| product type designation General technical data Size of contactor \$ Size of contactor    function module for communication   No   | •   | Power contactor             |
| Size of contactor  Forcetic extension  • function module for communication • auxiliary switch • at AC in hot operating state • at AC in hot operating state per pole • without load current share typical • of main circuit with degree of pollution 3 rated value • of auxiliary circuit vith degree of pollution 3 rated value • of auxiliary circuit vith degree of pollution 3 rated value • of auxiliary circuit vith degree of pollution 3 rated value • of auxiliary circuit rated value • of auxiliary switch block typical • at AC  11.8g / 5 ms, 7.4g / 10 ms  **Shock resistance at rectangular impulse • at AC • at AC  18.5g / 5 ms, 11.6g / 10 ms  **mechanical service life (operating cycles) • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added  |   | 3RT2                        |
| product extension  • function module for communication • auxilliary switch  power loss [W] for rated value of the current  • at AC in hot operating state   12 W • at AC in hot operating state per pole   4 W • without load current share typical   18.5 W  insulation voltage • of main circuit with degree of pollution 3 rated value   690 V • of auxilliary circuit with degree of pollution 3 rated value   680 V • of auxilliary circuit with degree of pollution 3 rated value   6 kV • of auxilliary circuit value   6 kV  maximum permissible voltage for protective separation between   6 kV maximum permissible voltage for protective separation between   6 kV maximum permissible voltage for protective separation between   6 kV maximum permissible voltage for protective separation between   6 kV maximum permissible voltage for protective separation between   6 kV maximum permissible voltage for protective separation between   6 kV maximum permissible voltage for protective separation between   6 kV maximum permissible voltage for protective separation between   6 kV maximum permissible voltage for protective separation between   6 kV maximum permissible voltage for protective separation between   6 kV maximum permissible voltage for protective separation between   6 kV maximum permissible voltage for protective separation between   6 kV maximum permissible voltage for protective separation between   6 kV maximum permissible voltage for protective separation   6 kV maximum permissible voltage for protective separation permission   6 kV maximum permissible voltage for protective separation permission   6 kV maximum permissible voltage for protective separation   6 kV motective for maximum   7 kV   7 km permission   7 | General technical data  |                             |
| • function module for communication • auxiliary switch  power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole • at AC in hot operating state per pole • at AC in hot operating state per pole • at AC in hot operating state per pole • of main circuit with degree of pollution 3 rated value • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit rated value • at AC •  | size of contactor   | S2                          |
| • auxiliary switch  • at AC in hot operating state per pole • at AC in hot operating state per pole • without load current share typical • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of main circuit rated value • of auxiliary circuit rated value • of main circuit rated value • of auxiliary switch block the 60947-1  shock resistance at rectangular impulse • at AC  11.8g / 5 ms, 7.4g / 10 ms  shock resistance at rectangular impulse • at AC  18.5g / 5 ms, 11.6g / 10 ms  mechanical service life (operating cycles) • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor (Date) • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of | product extension   |                             |
| power loss [W] for rated value of the current  at AC in hot operating state  | • function module for communication   | No                          |
| at AC in hot operating state per pole at AC in hot operating state per pole without load current share typical  insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit rated value of auxiliary in the contactor with sine pulse of at AC 11.8g / 5 ms, 7.4g / 10 ms  mechanical service life (operating cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor   | auxiliary switch  | Yes                         |
| at AC in hot operating state per pole without load current share typical  insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of main circuit rated value of main circuit rated value of auxiliary circuit rated value of at AC at  | power loss [W] for rated value of the current                                   |                             |
| insulation voltage  of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit rated value of auxiliary sistance at rectangular impulse of at AC 11.8g / 5 ms, 7.4g / 10 ms  shock resistance with sine pulse of contactor with added electronically optimized auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added electronically optimized auxil  | <ul> <li>at AC in hot operating state</li> </ul>                                | 12 W                        |
| insulation voltage  of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value 690 V  surge voltage resistance of main circuit rated value 680 V  of auxiliary circuit rated value 6 kV  aximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse ot AC 11.8g / 5 ms, 7.4g / 10 ms  shock resistance with sine pulse of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to EC 81346-2  Qu Substance Prohibitance (Date) 10/01/2014  Ambient conditions installation altitude at height above sea level maximum ambient temperature of during storage 25 +60 °C elative humidity minimum 10 %  relative humidity minimum 10 %  Main circuit  Main circuit  Main circuit  e of main circuit with degree of pollution 3 rated value 690 V  680 V  690 V  68V  400 V  000 V  11.8g / 5 ms, 7.4g / 10 ms  11.8g / 5 ms, 7.4g / 10 ms  10.00 000     | <ul> <li>at AC in hot operating state per pole</li> </ul>                       | 4 W                         |
| of main circuit with degree of pollution 3 rated value     of auxiliary circuit with degree of pollution 3 rated value     surge voltage resistance     of main circuit rated value     of auxiliary circuit rated value     of kV  maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse     ot AC     11.8g / 5 ms, 7.4g / 10 ms  shock resistance with sine pulse     of contactor typical     of the contactor with added electronically optimized auxiliary switch block typical     of the contactor with added electronically optimized auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the conta      | <ul> <li>without load current share typical</li> </ul>                          | 18.5 W                      |
| of auxiliary circuit with degree of pollution 3 rated value  surge voltage resistance     of main circuit rated value     of of auxiliary circuit rated value     of auxiliary circuit rated value     of of auxiliary circuit rated value     of of auxiliary circuit rated value  maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse     of at AC   | insulation voltage  |                             |
| surge voltage resistance  of main circuit rated value  of auxiliary circuit rated value  of auxiliary circuit rated value  of auxiliary circuit rated value  of kV  maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse  oat AC  11.8g / 5 ms, 7.4g / 10 ms  shock resistance with sine pulse  oat AC  18.5g / 5 ms, 11.6g / 10 ms  mechanical service life (operating cycles)  of contactor typical  of the contactor with added electronically optimized auxiliary switch block typical  of the contactor with added auxil | <ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>      | 690 V                       |
| of main circuit rated value     of auxiliary circuit rated value     of auxiliary circuit rated value     of auxiliary circuit rated value     of kV  maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse     ot AC     11.8g / 5 ms, 7.4g / 10 ms  shock resistance with sine pulse     ot AC     18.5g / 5 ms, 11.6g / 10 ms  mechanical service life (operating cycles)     of contactor typical     of the contactor with added electronically optimized auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     vorthandle auxiliary switch block typical     of the contactor with added auxiliary switch block typical     vorthandle auxiliary switch block typical           | <ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul> | 690 V                       |
| of auxiliary circuit rated value     maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1      shock resistance at rectangular impulse   | surge voltage resistance  |                             |
| maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse  • at AC  11.8g / 5 ms, 7.4g / 10 ms  shock resistance with sine pulse  • at AC  18.5g / 5 ms, 11.6g / 10 ms  mechanical service life (operating cycles)  • of contactor typical  • of the contactor with added electronically optimized auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor  | <ul> <li>of main circuit rated value</li> </ul>                                 | 6 kV                        |
| shock resistance at rectangular impulse  • at AC  shock resistance with sine pulse  • at AC  18.5g / 5 ms, 7.4g / 10 ms  mechanical service life (operating cycles)  • of contactor typical  • of the contactor with added electronically optimized auxiliary switch block typical  • of the contactor with added auxi | <ul> <li>of auxiliary circuit rated value</li> </ul>                            | 6 kV                        |
| at AC  shock resistance with sine pulse  at AC  at  |   | 400 V                       |
| shock resistance with sine pulse  at AC  at  | shock resistance at rectangular impulse   |                             |
| at AC  mechanical service life (operating cycles)  of contactor typical  of the contactor with added electronically optimized auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  10 000 000  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  of during operation  of the contactor with added auxiliary switch block typical  10 000 000  2 000  10/01/2014  Ambient conditions  installation altitude at height above sea level maximum  2 000 m  ambient temperature  of during operation  of the contactor with added electronically optimized auxiliary switch block typical  10 000 000  10 000 000  10 000 000  10 000 00  | • at AC   | 11.8g / 5 ms, 7.4g / 10 ms  |
| mechanical service life (operating cycles)  • of contactor typical  • of the contactor with added electronically optimized auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  10/01/2014  Ambient conditions  installation altitude at height above sea level maximum  2 000 m  ambient temperature  • during operation  • during storage  -55 +80 °C  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit   | shock resistance with sine pulse  |                             |
| of contactor typical     of the contactor with added electronically optimized auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     10 000 000  reference code according to IEC 81346-2 Q Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum 2 000 m  ambient temperature     oduring operation     -25 +60 °C     oduring storage     relative humidity minimum 10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  10 000 000  10 000  10 000 000  10 000 00   | • at AC   | 18.5g / 5 ms, 11.6g / 10 ms |
| of the contactor with added electronically optimized auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical      reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature     oduring operation     oduring storage  relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  5 000 000  10 000       | mechanical service life (operating cycles)                                      |                             |
| auxiliary switch block typical  of the contactor with added auxiliary switch block typical  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  of during operation  during storage  relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  10 000 000  10  | <ul> <li>of contactor typical</li> </ul>  | 10 000 000                  |
| reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit   |   | 5 000 000                   |
| Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage  relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  | <ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>  | 10 000 000                  |
| installation altitude at height above sea level maximum  ambient temperature  during operation during storage  relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  2 000 m  -25 +60 °C  -25 +80 °C  10 %  95 %  | reference code according to IEC 81346-2   | Q                           |
| installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  | Substance Prohibitance (Date)   | 10/01/2014                  |
| ambient temperature  • during operation • during storage  -25 +60 °C  • during storage  -55 +80 °C  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  | Ambient conditions  |                             |
| <ul> <li>during operation</li> <li>during storage</li> <li>-25 +60 °C</li> <li>relative humidity minimum</li> <li>10 %</li> <li>relative humidity at 55 °C according to IEC 60068-2-30 maximum</li> <li>Main circuit</li> </ul>  | installation altitude at height above sea level maximum                         | 2 000 m                     |
| • during storage  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  | ambient temperature   |                             |
| relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 g5 % maximum  Main circuit   | <ul> <li>during operation</li> </ul>  | -25 +60 °C                  |
| relative humidity at 55 °C according to IEC 60068-2-30 95 % maximum  Main circuit  | during storage  | -55 +80 °C                  |
| maximum Main circuit   | relative humidity minimum   | 10 %                        |
|  |   | 95 %                        |
| number of poles for main current circuit 3   | Main circuit  |                             |
|  | number of poles for main current circuit  | 3                           |

| number of NO contacts for main contacts                                  | 3                  |
|--|--------------------|
| operating voltage  |                    |
| • at AC-3 rated value maximum  | 690 V              |
| at AC-3e rated value maximum   | 690 V              |
| operational current  |                    |
| <ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated</li> </ul>  | 70 A               |
| value  |                    |
| • at AC-1  |                    |
| — up to 690 V at ambient temperature 40 °C rated                         | 70 A               |
| value  | CO A               |
| <ul> <li>up to 690 V at ambient temperature 60 °C rated value</li> </ul> | 60 A               |
| • at AC-3  |                    |
| — at 400 V rated value   | 51 A               |
| — at 500 V rated value   | 51 A               |
| — at 690 V rated value   | 24 A               |
| • at AC-3e   | 277                |
| — at 400 V rated value   | 51 A               |
| — at 500 V rated value   | 51 A               |
|  |                    |
| — at 690 V rated value   | 24 A               |
| • at AC-4 at 400 V rated value   | 41 A               |
| at AC-5a up to 690 V rated value   | 61.6 A             |
| at AC-5b up to 400 V rated value   | 41.5 A             |
| • at AC-6a   |                    |
| — up to 230 V for current peak value n=20 rated value                    | 43.2 A             |
| — up to 400 V for current peak value n=20 rated value                    | 43.2 A             |
| <ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>  | 43.2 A             |
| <ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>  | 24 A               |
| • at AC-6a   |                    |
| <ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>  | 28.8 A             |
| <ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>  | 28.8 A             |
| <ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>  | 28.8 A             |
| <ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>  | 24 A               |
| minimum cross-section in main circuit at maximum AC-1 rated value        | 25 mm <sup>2</sup> |
| operational current for approx. 200000 operating cycles at               |                    |
| AC-4   |                    |
| • at 400 V rated value   | 24 A               |
| • at 690 V rated value   | 20 A               |
| operational current  |                    |
| at 1 current path at DC-1  |                    |
| — at 24 V rated value  | 55 A               |
| — at 60 V rated value  | 23 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             |
| with 2 current paths in series at DC-1                                   |                    |
| — at 24 V rated value  | 55 A               |
| — at 60 V rated value  | 45 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              |
| with 3 current paths in series at DC-1                                   | 55.4               |
| — at 24 V rated value  | 55 A               |
| — at 60 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              |
| <ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>                    |                    |

| -t 04 \ /tdl   | OF A  |
|--|---|
| — at 24 V rated value  | 35 A  |
| — at 60 V rated value  | 6 A   |
| — at 220 V rated value   | 1 A   |
| — at 440 V rated value   | 0.1 A   |
| — at 600 V rated value   | 0.06 A  |
| <ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>   |   |
| — at 24 V rated value  | 55 A  |
| — at 60 V rated value  | 45 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  |
| <ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>   |   |
| — at 24 V rated value  | 55 A  |
| — at 60 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  |
| operating power  |   |
| at AC-2 at 400 V rated value   | 22 kW   |
| • at AC-3  |   |
| — at 230 V rated value   | 15 kW   |
| — at 400 V rated value   | 22 kW   |
| — at 500 V rated value   | 30 kW   |
| — at 690 V rated value   | 22 kW   |
| • at AC-3e   | — ···   |
| — at 400 V rated value   | 22 kW   |
| — at 500 V rated value   | 30 kW   |
| — at 690 V rated value   | 22 kW   |
| operating power for approx. 200000 operating cycles at AC-   |   |
| 4  |   |
| <ul> <li>at 400 V rated value</li> </ul>   | 12.6 kW   |
| at 690 V rated value   | 18.2 kW   |
| operating apparent power at AC-6a  |   |
| up to 230 V for current peak value n=20 rated value  | 17.2 kVA  |
|  |   |
| ·  | 29.9 kVA  |
| • up to 400 V for current peak value n=20 rated value  |   |
| <ul> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> </ul>   | 29.9 kVA<br>37.4 kVA  |
| • up to 400 V for current peak value n=20 rated value  | 29.9 kVA  |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a  | 29.9 kVA<br>37.4 kVA<br>28.6 kVA  |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value  operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value   | 29.9 kVA<br>37.4 kVA<br>28.6 kVA  |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value  operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value   | 29.9 kVA<br>37.4 kVA<br>28.6 kVA<br>11.4 kVA<br>19.9 kVA  |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value  | 29.9 kVA<br>37.4 kVA<br>28.6 kVA<br>11.4 kVA<br>19.9 kVA<br>24.9 kVA  |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value  | 29.9 kVA<br>37.4 kVA<br>28.6 kVA<br>11.4 kVA<br>19.9 kVA  |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value  | 29.9 kVA<br>37.4 kVA<br>28.6 kVA<br>11.4 kVA<br>19.9 kVA<br>24.9 kVA  |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to   | 29.9 kVA<br>37.4 kVA<br>28.6 kVA<br>11.4 kVA<br>19.9 kVA<br>24.9 kVA  |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to   | 29.9 kVA<br>37.4 kVA<br>28.6 kVA<br>11.4 kVA<br>19.9 kVA<br>24.9 kVA<br>28.6 kVA  |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value  operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C Ilmited to 1 s switching at zero current maximum   | 29.9 kVA 37.4 kVA 28.6 kVA  11.4 kVA 19.9 kVA 24.9 kVA 28.6 kVA  937 A; Use minimum cross-section acc. to AC-1 rated value  |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value  operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C  limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum   | 29.9 kVA 37.4 kVA 28.6 kVA  11.4 kVA 19.9 kVA 24.9 kVA 28.6 kVA  937 A; Use minimum cross-section acc. to AC-1 rated value 697 A; Use minimum cross-section acc. to AC-1 rated value 468 A; Use minimum cross-section acc. to AC-1 rated value  |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C  Ilimited to 1 s switching at zero current maximum Ilimited to 10 s switching at zero current maximum   | 29.9 kVA 37.4 kVA 28.6 kVA  11.4 kVA 19.9 kVA 24.9 kVA 28.6 kVA  937 A; Use minimum cross-section acc. to AC-1 rated value 697 A; Use minimum cross-section acc. to AC-1 rated value  |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C  Ilimited to 1 s switching at zero current maximum Ilimited to 5 s switching at zero current maximum Ilimited to 30 s switching at zero current maximum   | 29.9 kVA 37.4 kVA 28.6 kVA  11.4 kVA 19.9 kVA 24.9 kVA 28.6 kVA  937 A; Use minimum cross-section acc. to AC-1 rated value 697 A; Use minimum cross-section acc. to AC-1 rated value 468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value  |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C  Ilimited to 1 s switching at zero current maximum Ilimited to 10 s switching at zero current maximum Ilimited to 30 s switching at zero current maximum Ilimited to 60 s switching at zero current maximum   | 29.9 kVA 37.4 kVA 28.6 kVA  11.4 kVA 19.9 kVA 24.9 kVA 28.6 kVA  937 A; Use minimum cross-section acc. to AC-1 rated value 697 A; Use minimum cross-section acc. to AC-1 rated value 468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value  |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value  operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C  Ilimited to 1 s switching at zero current maximum Ilimited to 5 s switching at zero current maximum Ilimited to 30 s switching at zero current maximum Ilimited to 60 s switching at zero current maximum  Ilimited to 60 s switching at zero current maximum  no-load switching frequency at AC                                    | 29.9 kVA 37.4 kVA 28.6 kVA  11.4 kVA 19.9 kVA 24.9 kVA 28.6 kVA  937 A; Use minimum cross-section acc. to AC-1 rated value 697 A; Use minimum cross-section acc. to AC-1 rated value 468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value  |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C  Ilimited to 1 s switching at zero current maximum Ilimited to 5 s switching at zero current maximum Ilimited to 30 s switching at zero current maximum Ilimited to 60 s switching at zero current maximum a limited to 60 s switching at zero current maximum ro-load switching frequency at AC operating frequency                  | 29.9 kVA 37.4 kVA 28.6 kVA  11.4 kVA 19.9 kVA 24.9 kVA 28.6 kVA  937 A; Use minimum cross-section acc. to AC-1 rated value 697 A; Use minimum cross-section acc. to AC-1 rated value 468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value  |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C  Ilimited to 1 s switching at zero current maximum Ilimited to 5 s switching at zero current maximum Ilimited to 10 s switching at zero current maximum Ilimited to 60 s switching at zero current maximum no-load switching frequency at AC-1 maximum  | 29.9 kVA 37.4 kVA 28.6 kVA  11.4 kVA 19.9 kVA 24.9 kVA 28.6 kVA  937 A; Use minimum cross-section acc. to AC-1 rated value 697 A; Use minimum cross-section acc. to AC-1 rated value 468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h                                    |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C  Ilimited to 1 s switching at zero current maximum Ilimited to 5 s switching at zero current maximum Ilimited to 30 s switching at zero current maximum Ilimited to 60 s switching at zero current maximum no-load switching frequency at AC-1 maximum at AC-2 maximum  | 29.9 kVA 37.4 kVA 28.6 kVA  11.4 kVA 19.9 kVA 24.9 kVA 28.6 kVA  937 A; Use minimum cross-section acc. to AC-1 rated value 697 A; Use minimum cross-section acc. to AC-1 rated value 468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h  1 000 1/h 600 1/h                 |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C  Ilimited to 1 s switching at zero current maximum Ilimited to 5 s switching at zero current maximum Ilimited to 30 s switching at zero current maximum Ilimited to 60 s switching at zero current maximum ro-load switching frequency at AC operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum  | 29.9 kVA 37.4 kVA 28.6 kVA  11.4 kVA 19.9 kVA 24.9 kVA 28.6 kVA  937 A; Use minimum cross-section acc. to AC-1 rated value 697 A; Use minimum cross-section acc. to AC-1 rated value 468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h  1 000 1/h 600 1/h 800 1/h         |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C  Ilimited to 1 s switching at zero current maximum Ilimited to 5 s switching at zero current maximum Ilimited to 30 s switching at zero current maximum Ilimited to 60 s switching at zero current maximum alimited to 60 s switching at zero current maximum ro-load switching frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-3 maximum at AC-3 maximum | 29.9 kVA 37.4 kVA 28.6 kVA  11.4 kVA 19.9 kVA 24.9 kVA 28.6 kVA  937 A; Use minimum cross-section acc. to AC-1 rated value 697 A; Use minimum cross-section acc. to AC-1 rated value 468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h  1 000 1/h 600 1/h 800 1/h 800 1/h |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C  limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum ro-load switching frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-4 maximum at AC-4 maximum  | 29.9 kVA 37.4 kVA 28.6 kVA  11.4 kVA 19.9 kVA 24.9 kVA 28.6 kVA  937 A; Use minimum cross-section acc. to AC-1 rated value 697 A; Use minimum cross-section acc. to AC-1 rated value 468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h  1 000 1/h 600 1/h 800 1/h         |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C  Ilimited to 1 s switching at zero current maximum Ilimited to 5 s switching at zero current maximum Ilimited to 30 s switching at zero current maximum Ilimited to 60 s switching at zero current maximum alimited to 60 s switching at zero current maximum ro-load switching frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-3 maximum at AC-3 maximum | 29.9 kVA 37.4 kVA 28.6 kVA  11.4 kVA 19.9 kVA 24.9 kVA 28.6 kVA  937 A; Use minimum cross-section acc. to AC-1 rated value 697 A; Use minimum cross-section acc. to AC-1 rated value 468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h  1 000 1/h 600 1/h 800 1/h 800 1/h |

| control supply voltage at AC   |   |
|--|---|
| at 50 Hz rated value   | 400 V   |
| at 60 Hz rated value   | 400 440 V                                       |
| operating range factor control supply voltage rated value of magnet coil at AC |   |
| ● at 50 Hz   | 0.8 1.1   |
| • at 60 Hz   | 0.85 1.1  |
| apparent pick-up power of magnet coil at AC  ● at 50 Hz                        | 212 VA  |
| • at 60 Hz   | 188 VA  |
| inductive power factor with closing power of the coil                          | 100 VA  |
| • at 50 Hz   | 0.69  |
| • at 60 Hz   | 0.65  |
| apparent holding power of magnet coil at AC                                    | 0.05  |
| • at 50 Hz   | 18.5 VA   |
|  |   |
| • at 60 Hz   | 16.5 VA   |
| inductive power factor with the holding power of the coil  at 50 Hz            | 0.20  |
| ****   | 0.36  |
| • at 60 Hz   | 0.39  |
| closing delay  | 40 00 00  |
| • at AC  | 10 80 ms  |
| opening delay  | 40 40   |
| • at AC  | 10 18 ms  |
| arcing time  | 10 20 ms  |
| control version of the switch operating mechanism                              | Standard A1 - A2                                |
| Auxiliary circuit  |   |
| number of NC contacts for auxiliary contacts instantaneous contact             | 1   |
| number of NO contacts for auxiliary contacts instantaneous contact             | 1   |
| operational current at AC-12 maximum   | 10 A  |
| operational current at AC-15   |   |
| • at 230 V rated value   | 10 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  | 10 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   |
| contact reliability of auxiliary contacts                                      | 1 faulty switching per 100 million (17 V, 1 mA) |
| UL/CSA ratings   |   |
| full-load current (FLA) for 3-phase AC motor                                   |   |
| at 480 V rated value   | 52 A  |
| at 600 V rated value   | 52 A  |
| yielded mechanical performance [hp]  |   |
| • for single-phase AC motor  |   |
| — at 110/120 V rated value   | 3 hp  |
|  |   |
| — at 230 V rated value   | 10 hp   |

| • for 3-phase AC motor   |  |
|--|--|
| — at 200/208 V rated value   | 15 hp  |
| — at 220/230 V rated value   | 15 hp  |
| — at 460/480 V rated value   | 40 hp  |
| — at 575/600 V rated value   | 50 hp  |
| contact rating of auxiliary contacts according to UL                 | A600 / P600  |
| Short-circuit protection   |  |
| design of the fuse link  |  |
| <ul> <li>for short-circuit protection of the main circuit</li> </ul> |  |
| with type of coordination 1 required                                 | gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA)  |
| <ul> <li>— with type of assignment 2 required</li> </ul>             | gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA)  |
| • for short-circuit protection of the auxiliary switch required      | gG: 10 A (500 V, 1 kA)   |
| Installation/ mounting/ dimensions                                   |  |
| mounting position  | +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface |
| fastening method   | screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715   |
| • side-by-side mounting  | Yes  |
| height   | 114 mm   |
| width  | 55 mm  |
| depth  | 130 mm   |
| required spacing   |  |
| with side-by-side mounting   |  |
| — forwards   | 10 mm  |
| — upwards  | 10 mm  |
| — downwards  | 10 mm  |
| — at the side  | 0 mm   |
| for grounded parts   |  |
| — forwards   | 10 mm  |
| — upwards  | 10 mm  |
| — at the side  | 6 mm   |
| — downwards  | 10 mm  |
| • for live parts   | 10 111111  |
| — forwards   | 10 mm  |
| — upwards  | 10 mm  |
| — downwards  | 10 mm  |
|  |  |
| — at the side  | 6 mm   |
| Connections/ Terminals   |  |
| type of electrical connection  |  |
| for main current circuit   | screw-type terminals   |
| for auxiliary and control circuit                                    | screw-type terminals   |
| at contactor for auxiliary contacts                                  | Screw-type terminals   |
| of magnet coil   | Screw-type terminals   |
| type of connectable conductor cross-sections for main contacts       |  |
| <ul> <li>solid or stranded</li> </ul>                                | 2x (1 35 mm²), 1x (1 50 mm²)   |
| finely stranded with core end processing                             | 2x (1 25 mm²), 1x (1 35 mm²)   |
| connectable conductor cross-section for main contacts                |  |
| finely stranded with core end processing                             | 1 35 mm²   |
| connectable conductor cross-section for auxiliary contacts           |  |
| solid or stranded  | 0.5 2.5 mm²  |
| finely stranded with core end processing                             | 0.5 2.5 mm²  |
| type of connectable conductor cross-sections                         |  |
| • for auxiliary contacts   |  |
| — solid or stranded  | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  |
| <ul> <li>finely stranded with core end processing</li> </ul>         | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  |
| <ul> <li>for AWG cables for auxiliary contacts</li> </ul>            | 2x (20 16), 2x (18 14)   |
| AWG number as coded connectable conductor cross section              |  |
|  |  |
| • for main contacts  | 18 1   |
| <ul><li>for main contacts</li><li>for auxiliary contacts</li></ul>   | 18 1<br>20 14  |

| product function   |  |
|--|--|
| <ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>              | Yes  |
| <ul> <li>positively driven operation according to IEC 60947-5-1</li> </ul> | No   |
| B10 value with high demand rate according to SN 31920                      | 1 000 000  |
| proportion of dangerous failures   |  |
| <ul> <li>with low demand rate according to SN 31920</li> </ul>             | 40 %   |
| <ul> <li>with high demand rate according to SN 31920</li> </ul>            | 73 %   |
| failure rate [FIT] with low demand rate according to SN 31920              | 100 FIT  |
| T1 value for proof test interval or service life according to IEC 61508    | 20 a   |
| 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 |
| suitability for use  |  |
| safety-related switching OFF   | Yes  |
|  |  |

## Certificates/ approvals

#### **General Product Approval**





Confirmation



<u>KC</u>



| EMC | Functional<br>Safety/Safety of Ma-<br>chinery | Declaration of Conformity | Test Certificates |
|-----|---|---------------------------|-------------------|
|     | cninery                                       |                           |                   |



Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate

### Marine / Shipping













| Marine / Shipping | other | Railway | Dangerous Good | Environment |
|-------------------|-------|---------|----------------|-------------|
|-------------------|-------|---------|----------------|-------------|



Confirmation

Confirmation

Vibration and Shock

Transport Information

Environmental Confirmations

#### Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

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

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=3RT2036-1AR60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2036-1AR60

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

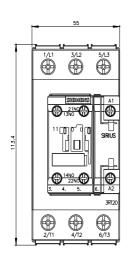
https://support.industry.siemens.com/cs/ww/en/ps/3RT2036-1AR60

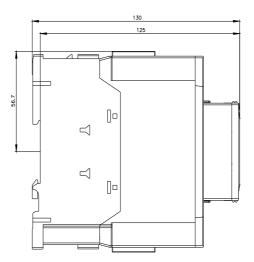
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

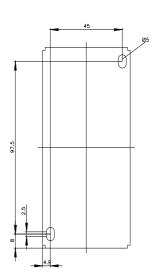
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2036-1AR60&lang=en

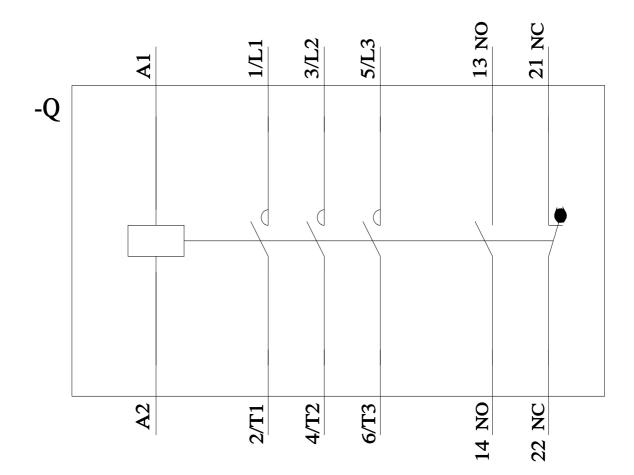
Characteristic: Tripping characteristics,  $I^2t$ , Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT2036-1AR60/char Further characteristics (e.g. electrical endurance, switching frequency)









last modified:

6/26/2023

