## SIEMENS

## Data sheet

## 3RT2027-1BB40-1AA0



power contactor, AC-3e/AC-3, 32 A, 15 kW / 400 V, 3-pole, 24 V DC, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S0, upright mounting position

| size of contactor     S0       product extension     indicion module for communication     No       • auxiliary switch     Yes       power loss [W] for rated value of the current     6.3 W       • at AC in hot operating state     6.3 W       • at AC in hot operating state per pole     2.3 W       • without load current share typical     5.9 W       insulation voltage     690 V       • of main circuit with degree of pollution 3 rated value     690 V       • of main circuit with degree of pollution 3 rated value     690 V       • of auxiliary circuit with degree of pollution 3 rated value     690 V       • of main circuit vith degree of pollution 3 rated value     690 V       • of auxiliary circuit rated value     64 kV       • of main circuit rated value     64 kV       • of auxiliary circuit rated value     64 kV       • of auxiliary circuit rated value     64 kV       • of auxiliary circuit rated value     64 kV       • at DC     10g / 5 ms, 7,5g / 10 ms       shock resistance with sine pulse     15g / 5 ms, 10g / 10 ms       • at DC     1000 000       • of notactor with added electronically optimized     5000 000       • of the contactor with added electronically optimized     10 000 000       • of the contactor with added electronically optimized     10 000 000       • of the contact  | 6/13  |                          |
|--|---|--------------------------|
| product type designation         SRT2           General technical data   | product brand name  | SIRIUS                   |
| General technical data     S0       size of contactor     S0       product extension     No       • function module for communication     No       • auxiliary switch     Yes       power loss [M] for rated value of the current     6.3 W       • at AC in hot operating state     6.3 W       • at AC in hot operating state proble     2.3 W       • without load current share typical     5.9 W       insulation voltage     690 V       • of main circuit with degree of pollution 3 rated value     690 V       • of main circuit with degree of pollution 3 rated value     690 V       • of main circuit with degree of pollution 3 rated value     64V       • of main circuit rated value     64V       • of auxiliary circuit rated value     64V       • of auxiliary circuit rated value     64V       • of auxiliary circuit rated value     64V       • of contactor typical     10g / 5 ms, 7,5g / 10 ms       shock resistance at rectangular impuse     10g / 5 ms, 7,5g / 10 ms       • at DC     15g / 5 ms, 10g / 10 ms       mechanical service life (operating cycles)     1000 000       • of the contactor with added auxiliary switch block typical     10000 000       • of the contactor with added auxiliary switch block typical     1000 000       • of the contactor with added auxiliary switch block typical     1000 0  | product designation   | Power contactor          |
| size of contactor     S0       product extension     No       • function module for communication     No       • auxiliary switch     Yes       power loss [W] for rated value of the current     6.3 W       • at AC in hot operating state per pole     2.3 W       • without load current share typical     5.9 W       Insulation voltage     690 V       • of main circult with degree of pollution 3 rated value     690 V       • of main circult with degree of pollution 3 rated value     690 V       • of main circult with degree of pollution 3 rated value     690 V       • of main circult with degree of pollution 3 rated value     690 V       • of main circult with degree of pollution 3 rated value     64 V       • of main circult with degree of pollution 3 rated value     64 V       • of auxiliary circuit rated value     64 V       • of main circuit rated value     64 V       • of auxiliary circuit rated value     64 V       • of auxiliary switch block typical     100 V       shock resistance with sine pulse     15g / 5 ms, 10g / 10 ms       • at DC     15g / 5 ms, 10g / 10 ms       mechanical service life (operating cycles)     10 000 000       • of the contactor with added auxiliary switch block typical     10 000 000       of the contactor with added auxiliary switch block typical     10 000 000 <t< th=""><th>product type designation</th><th>3RT2</th></t<>  | product type designation  | 3RT2                     |
| product extension         No           • function module for communication         No           • auxiliary switch         Yes           power loss [W] for rated value of the current         6.3 W           • at AC in hot operating state         6.3 W           • at AC in hot operating state per pole         2.3 W           • without load current share typical         5.9 W           Insulation voltage         690 V           • of main circuit with degree of pollution 3 rated value         690 V           • of main circuit rated value         690 V           • of an circuit rated value         690 V           • of an in circuit rated value         64 kV           • of an in circuit rated value         64 kV           • of and main cortacts according to K0547-1         54 kV           • at DC         10g / 5 ms, 7.5g / 10 ms           • at DC         15g / 5 ms, 10g / 10 ms           • at DC         15g / 5 ms, 10g / 10 ms           • at DC         100 0000           • of the contactor with added auxiliary switch block typical         100 0000           • of the contactor with added auxiliary switch block typical         100 0000           • of the contactor with added auxiliary switch block typical         0           of the contactor with added auxiliary switch block   | General technical data  |                          |
| • function module for communication         No           • auxiliary switch         Yes           power loss [W] for rated value of the current         -           • at AC in hot operating state         6.3 W           • at AC in hot operating state per pole         2.3 W           • without load current share typical         5.9 W           • of main circuit with degree of pollution 3 rated value         690 V           • of main circuit with degree of pollution 3 rated value         690 V           • of main circuit with degree of pollution 3 rated value         64 kV           • of main circuit rated value         64 kV           • of main circuit rated value         64 kV           • of auxiliary circuit rated value         64 kV           • of auxiliary clicuit rated value         64 kV           • of auxiliary clicuit rated value         10g / 5 ms, 7,5g / 10 ms           • at DC         10g / 5 ms, 7,5g / 10 ms           • at DC         10g / 5 ms, 7,5g / 10 ms           • at DC         10g / 00000           • of the contactor with added electronically optimized<br>auxiliary switch block typical         10 000 000           • of the contactor with added auxiliary switch block typical         10 000 000           • of the contactor with added auxiliary switch block typical         10 000 000           <   | size of contactor   | SO                       |
| • auxiliary switch         Yes           power loss [W] for rated value of the current         5.3 W           • at AC in hot operating state per pole         2.3 W           • at AC in hot operating state per pole         2.3 W           • without load current share typical         5.9 W           insulation voltage         690 V           • of main circuit with degree of pollution 3 rated value         690 V           • of main circuit rated value         690 V           • of main circuit rated value         6 kV           • of main circuit rated value         6 kV           • of auxiliary oricuit rated value         6 kV           • of auxiliary circuit with degree of pollution 3 rated value         6 kV           • of auxiliary circuit rated value         6 kV           • of auxiliary circuit rated value         100 V           • at DC         10g / 5 ms, 7.5g / 10 ms           shock resistance with sine pulse         15g / 5 ms, 10g / 10 ms           • at DC         15g / 5 ms, 10g / 10 ms           mechanical service life (operating cycles)         10 000 000           • of the contactor with added electronically optimized auxiliary switch block typical         10 000 000           • of the contactor with added auxiliary switch block typical         10 000 000           • of the contactor with ad  | product extension   |                          |
| Develoas [W] for rated value of the current         Or           • at AC in hot operating state         6.3 W           • at AC in hot operating state per pole         2.3 W           • without load current share typical         5.9 W           insulation voltage         690 V           • of main circuit with degree of pollution 3 rated value         690 V           • of main circuit with degree of pollution 3 rated value         690 V           • of main circuit with degree of pollution 3 rated value         690 V           • of main circuit rated value         64 V           • of auxiliary circuit rated value         64 V           • of auxiliary circuit rated value         64 V           • of auxiliary circuit rated value         64 V           • of contactor seconding to EN 60947-1         400 V           subck resistance at rectangular impulse         10g / 5 ms, 7,5g / 10 ms           • at DC         10g / 5 ms, 7,5g / 10 ms           • at DC         100 00 000           • of the contactor with added auxiliary switch block typical         10 000 000           • of the contactor with added auxiliary switch block typical         10 0   | <ul> <li>function module for communication</li> </ul>                           | No                       |
| • at AC in hot operating state       6.3 W         • at AC in hot operating state per pole       2.3 W         • without load current share typical       5.9 W         insulation voltage       690 V         • of main circuit with degree of pollution 3 rated value       690 V         • of auxiliary circuit with degree of pollution 3 rated value       690 V         • of auxiliary circuit rated value       690 V         • of auxiliary circuit rated value       6 kV         • at DC       10g / 5 ms, 7,5g / 10 ms         • at DC       15g / 5 ms, 10g / 10 ms         • at DC       1000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor w   | auxiliary switch  | Yes                      |
| • at AC in hot operating state per pole       2.3 W         • without load current share typical       5.9 W         • of main circuit with degree of pollution 3 rated value       690 V         • of main circuit with degree of pollution 3 rated value       690 V         • of main circuit with degree of pollution 3 rated value       690 V         • of main circuit rated value       6 kV         • of auxiliary circuit with degree of pollution 3 rated value       6 kV         • of auxiliary circuit rated value       6 kV         • at DC       10g / 5 ms, 7,5g / 10 ms         • at DC       10g / 5 ms, 7,5g / 10 ms         • at DC       15g / 5 ms, 10g / 10 ms         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the co  | power loss [W] for rated value of the current                                   |                          |
| • without load current share typical     5.9 W       insulation voltage     690 V       • 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     6 kV       • of main circuit rated value     6 kV       • of auxiliary circuit rated value     6 kV       • at DC     10g / 5 ms, 7,5g / 10 ms       • at DC     15g / 5 ms, 10g / 10 ms       • at DC     15g / 5 ms, 10g / 10 ms       • at DC     10 000 000       • of the contactor with added electronically optimized auxiliary switch block typical     10 000 000       • of the contactor with added auxiliary switch block typical     10 000 000       reference code according to EC 81346-2     Q       Substance Prohibitance (Date)     2000 m       ambient temperature     -55 +60 °C       • during storage     -55 +60 °C       • during storage <t< th=""><td><ul> <li>at AC in hot operating state</li> </ul></td><td>6.3 W</td></t<>  | <ul> <li>at AC in hot operating state</li> </ul>                                | 6.3 W                    |
| Insulation voltage       690 V         • of main circuit with degree of pollution 3 rated value       690 V         • of main circuit ruith degree of pollution 3 rated value       690 V         surge voltage resistance       690 V         • of main circuit rated value       6 kV         • of main circuit rated value       6 kV         • of auxiliary circuit rated value       6 kV         • at DC       10g / 5 ms, 7,5g / 10 ms         shock resistance with sine pulse       -         • at DC       10 000 000         • of contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient temperature       -   | <ul> <li>at AC in hot operating state per pole</li> </ul>                       | 2.3 W                    |
| • of main circuit with degree of pollution 3 rated value690 V• of auxiliary circuit with degree of pollution 3 rated value690 Vsurge voltage resistance690 V• of main circuit rated value6 kV• of main circuit rated value6 kV• of auxiliary circuit rated value6 kVmaximum permissible voltage for protective separation between<br>coll and main contacts according to EN 60947-1400 Vshock resistance at rectangular impulse400 V• at DC10g / 5 ms, 7,5g / 10 msshock resistance with sine pulse10g / 5 ms, 10g / 10 ms• of ontactor typical10 000 000• of the contactor with added electronically optimized<br>auxiliary switch block typical10 000 000• of the contactor with added electronically optimized<br>auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)200 mambient temperature<br>   | <ul> <li>without load current share typical</li> </ul>                          | 5.9 W                    |
| • of auxiliary circuit with degree of pollution 3 rated value       690 V         surge voltage resistance       6 kV         • of main circuit rated value       6 kV         • of auxiliary circuit rated value       6 kV         maximum permissible voltage for protective separation between coll and main contacts according to EN 60947-1       400 V         shock resistance at rectangular impulse       6 kV         • at DC       10g / 5 ms, 7,5g / 10 ms         shock resistance with sine pulse       10g / 5 ms, 10g / 10 ms         • at DC       15g / 5 ms, 10g / 10 ms         mechanical service life (operating cycles)       10 000 000         • of the contactor typical       10 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       2000 m         ambient conditions       2000 m         installation atitude at height above sea level maximum       2 000 m         • during operation       -25 +60 °C         • during storage       -55 +60 °C         • during st  | insulation voltage  |                          |
| surge voltage resistance       6 kV         • of main circuit rated value       6 kV         • of auxiliary circuit rated value       6 kV         maximum permissible voltage for protective separation between coll and main contacts according to EN 60947-1       400 V         shock resistance at rectangular impulse       400 V         • at DC       10g / 5 ms, 7,5g / 10 ms         shock resistance with sine pulse       15g / 5 ms, 10g / 10 ms         • at DC       15g / 5 ms, 10g / 10 ms         mechanical service life (operating cycles)       5 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       2 000 m         ambient conditions       -25 +60 °C         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity at 55 °C according to IEC 60068-2-30       95 %         Main circuit       Main circuit  | <ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>      | 690 V                    |
| • of main circuit rated value       6 kV         • of auxiliary circuit rated value       6 kV         maximum permissible voltage for protective separation between coll and main contacts according to EN 60947-1       400 V         shock resistance at rectangular impulse       400 V         • at DC       10g / 5 ms, 7,5g / 10 ms         shock resistance with sine pulse       10g / 5 ms, 7,5g / 10 ms         • at DC       10g / 5 ms, 10g / 10 ms         mechanical service life (operating cycles)       10 000 000         • of contactor typical       10 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q         Ambient conditions       2000 m         ambient temperature       -         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity at 55 °C according to IEC 60068-2-30       95 %         Main circuit       -   | <ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul> | 690 V                    |
| • 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       400 / 5 ms, 7,5g / 10 ms         • at DC       10g / 5 ms, 7,5g / 10 ms         shock resistance with sine pulse       -         • at DC       15g / 5 ms, 10g / 10 ms         mechanical service life (operating cycles)       -         • of contactor typical       10 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to EC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         ambient temperature       -25 +60 °C         • during storage       -25 +60 °C         • during storage       55 % +80 °C         relative humidity at 55 °C according to IEC 60068-2-30       10 %         maximum       55 %  | surge voltage resistance  |                          |
| maximum permissible voltage for protective separation between       400 V         coil and main contacts according to EN 60947-1       400 V         shock resistance at rectangular impulse       10g / 5 ms, 7,5g / 10 ms         • at DC       10g / 5 ms, 7,5g / 10 ms         shock resistance with sine pulse       10g / 5 ms, 7,5g / 10 ms         • at DC       15g / 5 ms, 10g / 10 ms         mechanical service life (operating cycles)       10 000 000         • of contactor typical       10 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         ambient temperature       -5 +60 °C         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity at 55 °C according to IEC 60068-2-30       95 %         Main circuit       400 %   | <ul> <li>of main circuit rated value</li> </ul>                                 | 6 kV                     |
| coil and main contacts according to EN 60947-1       Interference of the contacts according to EN 60947-1         shock resistance at rectangular impulse <ul> <li>at DC</li> <li>10g / 5 ms, 7,5g / 10 ms</li> <li>shock resistance with sine pulse</li> <li>at DC</li> <li>15g / 5 ms, 10g / 10 ms</li> <li>mechanical service life (operating cycles)</li> <li>of contactor typical</li> <li>of contactor typical</li> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>of the contactor typical to EC 81346-2</li> <li>Q</li> <li>Substance Prohibitance (Date)</li> <li>10/01/2009</li> <li>Ambient conditions</li> <li>ambient temperature</li> <li>of during operation</li> <li>-25 +60 °C</li> <li>-25 +60 °C</li> <li>-25 +80 °C</li> <li>relative humidity minimum</li> <li>10 %</li> <li>95 %</li> <li>Main circuit</li> <li>Main circuit</li></ul> | <ul> <li>of auxiliary circuit rated value</li> </ul>                            | 6 kV                     |
| • at DC10g / 5 ms, 7,5g / 10 msshock resistance with sine pulse15g / 5 ms, 10g / 10 ms• at DC15g / 5 ms, 10g / 10 msmechanical service life (operating cycles)000000• of contactor typical10 000 000• of the contactor with added electronically optimized<br>auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)10/01/2009Ambient conditions2 000 m• installation altitude at height above sea level maximum<br>• during operation<br>• during storage2 000 m• relative humidity minimum10 %relative humidity at 55 °C according to IEC 60068-2-30<br>maximum95 %   |   | 400 V                    |
| shock resistance with sine pulse       15g / 5 ms, 10g / 10 ms         mechanical service life (operating cycles)       15g / 5 ms, 10g / 10 ms         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         of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         of during operation       -25 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30       95 %         Main circuit  | shock resistance at rectangular impulse   |                          |
| • at DC15g / 5 ms, 10g / 10 msmechanical service life (operating cycles)<br>• of contactor typical10 000 000• of contactor with added electronically optimized<br>auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor during to tec 61000 sea level maximum2 000 m• during storage-25 +60 °C• during storage-55 +80 °C• during storage00 %• patient thumidity at 55 °C according to IEC 60068-2-30<br>maximum95 %• Main circuit• Uter the term term term term term term term ter  | • at DC   | 10g / 5 ms, 7,5g / 10 ms |
| mechanical service life (operating cycles)       10 000 000         • 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         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30       95 %         Main circuit   | shock resistance with sine pulse  |                          |
| • of contactor typical10 000 000• of the contactor with added electronically optimized<br>auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)10/01/2009Ambient conditions2 000 minstallation altitude at height above sea level maximum2 000 mambient temperature<br>• during operation<br>• during storage-25 +60 °C• during storage-55 +80 °Crelative humidity minimum10 %relative humidity at 55 °C according to IEC 60068-2-30<br>maximum95 %   | • at DC   | 15g / 5 ms, 10g / 10 ms  |
| <ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>10 000 000</li> <li>reference code according to IEC 81346-2</li> <li>Q</li> <li>Substance Prohibitance (Date)</li> <li>10/01/2009</li> <li>Ambient conditions</li> <li>installation altitude at height above sea level maximum</li> <li>2 000 m</li> <li>ambient temperature</li> <li>during operation</li> <li>-25 +60 °C</li> <li>-55 +80 °C</li> <li>relative humidity minimum</li> <li>10 %</li> <li>relative humidity at 55 °C according to IEC 60068-2-30</li> <li>Main circuit</li> </ul>   | mechanical service life (operating cycles)                                      |                          |
| auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30 maximum       95 %  | <ul> <li>of contactor typical</li> </ul>  | 10 000 000               |
| reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30 maximum       95 %  |   | 5 000 000                |
| Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30 maximum       95 %  | <ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>  | 10 000 000               |
| Ambient conditions         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30 maximum       95 %         Main circuit  | reference code according to IEC 81346-2   | Q                        |
| installation altitude at height above sea level maximum       2 000 m         ambient temperature <ul> <li>during operation</li> <li>-25 +60 °C</li> <li>during storage</li> <li>-55 +80 °C</li> </ul> relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30 maximum       95 %         Main circuit       10  | Substance Prohibitance (Date)   | 10/01/2009               |
| ambient temperature     -25 +60 °C       • during operation     -25 +60 °C       • during storage     -55 +80 °C       relative humidity minimum     10 %       relative humidity at 55 °C according to IEC 60068-2-30 maximum     95 %       Main circuit   | Ambient conditions  |                          |
| • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30 maximum       95 %         Main circuit  | installation altitude at height above sea level maximum                         | 2 000 m                  |
| • during storage     -55 +80 °C       relative humidity minimum     10 %       relative humidity at 55 °C according to IEC 60068-2-30<br>maximum     95 %  | ambient temperature   |                          |
| relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30       95 %         Main circuit       10 %   | during operation  | -25 +60 °C               |
| relative humidity at 55 °C according to IEC 60068-2-30 95 % 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              |
| <ul> <li>at AC-3e rated value maximum</li> </ul>   | 690 V              |
| operational current  |                    |
| • at AC-1 at 400 V at ambient temperature 40 °C rated  | 50 A               |
| value  |                    |
| • at AC-1  |                    |
| — up to 690 V at ambient temperature 40 °C rated<br>value  | 50 A               |
| — up to 690 V at ambient temperature 60 °C rated   | 42 A               |
| value  |                    |
| ● at AC-3  |                    |
| — at 400 V rated value   | 32 A               |
| — at 500 V rated value   | 32 A               |
| — at 690 V rated value   | 21 A               |
| • at AC-3e   |                    |
| — at 400 V rated value   | 32 A               |
| — at 500 V rated value   | 32 A               |
| — at 690 V rated value   | 21 A               |
| at AC-4 at 400 V rated value   | 22 A               |
| • at AC-5a up to 690 V rated value   | 44 A               |
| <ul> <li>at AC-5b up to 400 V rated value</li> <li>at AC-6a</li> </ul>   | 26.5 A             |
|  | 30.8 A             |
| — up to 230 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> | 30.8 A<br>27 A     |
| — up to 500 V for current peak value n=20 rated value  | 21 A<br>21 A       |
| • at AC-6a   | 21A                |
| <ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>  | 20.5 A             |
| — up to 200 V for current peak value n=30 rated value  | 20.5 A             |
| — up to 500 V for current peak value n=30 rated value  | 18 A               |
| — up to 690 V for current peak value n=30 rated value  | 18 A               |
| minimum cross-section in main circuit at maximum AC-1 rated  | 10 mm <sup>2</sup> |
| value  |                    |
| operational current for approx. 200000 operating cycles at<br>AC-4   |                    |
| at 400 V rated value   | 12 A               |
| at 690 V rated value   | 12 A               |
| operational current  |                    |
| <ul> <li>at 1 current path at DC-1</li> </ul>  |                    |
| — at 24 V rated value  | 35 A               |
| — at 60 V rated value  | 20 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  | 35 A               |
| — at 60 V rated value  | 35 A               |
| — at 110 V rated value   | 35 A               |
| — at 220 V rated value   | 5 A                |
| — at 440 V rated value   | 1 A                |
| — at 600 V rated value   | 0.8 A              |
| <ul> <li>with 3 current paths in series at DC-1</li> </ul>   |                    |
| — at 24 V rated value  | 35 A               |
| — at 60 V rated value  | 35 A               |
| — at 110 V rated value   | 35 A               |
| — at 220 V rated value   | 35 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>  |                    |

| — at 24 V rated value  | 20 A   |
|--|--|
| — at 60 V rated value  | 5 A  |
| — at 110 V rated value   | 2.5 A  |
| — at 220 V rated value   | 1 A  |
| — at 440 V rated value   | 0.09 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  | 35 A   |
| — at 60 V rated value  | 35 A   |
| — at 110 V rated value   | 15 A   |
| — at 220 V rated value   | 3 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  | 35 A   |
| — at 60 V rated value  | 35 A   |
| — at 110 V rated value   | 35 A   |
| — at 220 V rated value   | 10 A   |
| — at 440 V rated value   | 0.6 A  |
| — at 600 V rated value   | 0.6 A  |
| operating power  |  |
| at AC-2 at 400 V rated value   | 15 kW  |
| • at AC-2 at 400 v fated value   |  |
| • at AC-3<br>— at 230 V rated value  | 7.5 kW   |
|  |  |
| — at 400 V rated value   | 15 kW  |
| — at 500 V rated value   | 15 kW  |
| — at 690 V rated value   | 18.5 kW  |
| • at AC-3e   |  |
| — at 230 V rated value   | 7.5 kW   |
| — at 400 V rated value   | 15 kW  |
| — at 500 V rated value   | 15 kW  |
| — at 690 V rated value   | 18.5 kW  |
| operating power for approx. 200000 operating cycles at AC-<br>4  |  |
| <ul> <li>at 400 V rated value</li> </ul>   | 6 kW   |
| at 690 V rated value   | 10.3 kW  |
| operating apparent power at AC-6a  | 10.0 KW  |
|  | 12.2 kVA   |
| up to 230 V for current peak value n=20 rated value  | 21.3 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  | 23.3 kVA   |
| up to 690 V for current peak value n=20 rated value  | 25 kVA   |
| operating apparent power at AC-6a  |  |
| <ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>  | 8.1 kVA  |
|  |  |
| • up to 400 V for current peak value n=30 rated value  | 14.2 kVA   |
| • up to 500 V for current peak value n=30 rated value  | 15.5 kVA   |
|  |  |
| 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   | 15.5 kVA   |
| 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   | 15.5 kVA<br>21.5 kVA   |
| <ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>short-time withstand current in cold operating state up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> </ul>   | 15.5 kVA<br>21.5 kVA<br>499 A; Use minimum cross-section acc. to AC-1 rated value  |
| <ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>short-time withstand current in cold operating state up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> </ul>   | 15.5 kVA<br>21.5 kVA<br>499 A; Use minimum cross-section acc. to AC-1 rated value<br>341 A; Use minimum cross-section acc. to AC-1 rated value   |
| <ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>short-time withstand current in cold operating state up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> </ul>  | 15.5 kVA<br>21.5 kVA<br>499 A; Use minimum cross-section acc. to AC-1 rated value<br>341 A; Use minimum cross-section acc. to AC-1 rated value<br>260 A; Use minimum cross-section acc. to AC-1 rated value  |
| <ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>short-time withstand current in cold operating state up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> </ul>   | 15.5 kVA<br>21.5 kVA<br>499 A; Use minimum cross-section acc. to AC-1 rated value<br>341 A; Use minimum cross-section acc. to AC-1 rated value<br>260 A; Use minimum cross-section acc. to AC-1 rated value<br>199 A; Use minimum cross-section acc. to AC-1 rated value   |
| <ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>short-time withstand current in cold operating state up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> </ul>  | 15.5 kVA<br>21.5 kVA<br>499 A; Use minimum cross-section acc. to AC-1 rated value<br>341 A; Use minimum cross-section acc. to AC-1 rated value<br>260 A; Use minimum cross-section acc. to AC-1 rated value  |
| <ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>short-time withstand current in cold operating state up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> </ul>  | 15.5 kVA<br>21.5 kVA<br>499 A; Use minimum cross-section acc. to AC-1 rated value<br>341 A; Use minimum cross-section acc. to AC-1 rated value<br>260 A; Use minimum cross-section acc. to AC-1 rated value<br>199 A; Use minimum cross-section acc. to AC-1 rated value<br>162 A; Use minimum cross-section acc. to AC-1 rated value  |
| <ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>short-time withstand current in cold operating state up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> </ul>   | 15.5 kVA<br>21.5 kVA<br>499 A; Use minimum cross-section acc. to AC-1 rated value<br>341 A; Use minimum cross-section acc. to AC-1 rated value<br>260 A; Use minimum cross-section acc. to AC-1 rated value<br>199 A; Use minimum cross-section acc. to AC-1 rated value   |
| <ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>short-time withstand current in cold operating state up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>no-load switching frequency</li> <li>at DC</li> <li>operating frequency</li> </ul>   | 15.5 kVA<br>21.5 kVA<br>499 A; Use minimum cross-section acc. to AC-1 rated value<br>341 A; Use minimum cross-section acc. to AC-1 rated value<br>260 A; Use minimum cross-section acc. to AC-1 rated value<br>199 A; Use minimum cross-section acc. to AC-1 rated value<br>162 A; Use minimum cross-section acc. to AC-1 rated value<br>162 A; Use minimum cross-section acc. to AC-1 rated value |
| <ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>short-time withstand current in cold operating state up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>no-load switching frequency</li> <li>at DC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> </ul>  | 15.5 kVA<br>21.5 kVA<br>499 A; Use minimum cross-section acc. to AC-1 rated value<br>341 A; Use minimum cross-section acc. to AC-1 rated value<br>260 A; Use minimum cross-section acc. to AC-1 rated value<br>199 A; Use minimum cross-section acc. to AC-1 rated value<br>162 A; Use minimum cross-section acc. to AC-1 rated value<br>1 500 1/h<br>1 000 1/h                                    |
| <ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>short-time withstand current in cold operating state up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>at DC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> </ul> | 15.5 kVA<br>21.5 kVA<br>499 A; Use minimum cross-section acc. to AC-1 rated value<br>341 A; Use minimum cross-section acc. to AC-1 rated value<br>260 A; Use minimum cross-section acc. to AC-1 rated value<br>199 A; Use minimum cross-section acc. to AC-1 rated value<br>162 A; Use minimum cross-section acc. to AC-1 rated value<br>1 500 1/h<br>1 000 1/h<br>750 1/h                         |
| <ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>short-time withstand current in cold operating state up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>no-load switching frequency</li> <li>at DC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>at AC-3 maximum</li> </ul>                       | 15.5 kVA<br>21.5 kVA<br>499 A; Use minimum cross-section acc. to AC-1 rated value<br>341 A; Use minimum cross-section acc. to AC-1 rated value<br>260 A; Use minimum cross-section acc. to AC-1 rated value<br>199 A; Use minimum cross-section acc. to AC-1 rated value<br>162 A; Use minimum cross-section acc. to AC-1 rated value<br>1500 1/h<br>1 000 1/h<br>750 1/h                          |
| <ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>short-time withstand current in cold operating state up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>at DC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> </ul>                          | 15.5 kVA<br>21.5 kVA<br>499 A; Use minimum cross-section acc. to AC-1 rated value<br>341 A; Use minimum cross-section acc. to AC-1 rated value<br>260 A; Use minimum cross-section acc. to AC-1 rated value<br>199 A; Use minimum cross-section acc. to AC-1 rated value<br>162 A; Use minimum cross-section acc. to AC-1 rated value<br>1 500 1/h<br>1 000 1/h<br>750 1/h                         |

| Control circuit/ Control   |   |
|--|---|
| type of voltage of the control supply voltage                                    | DC  |
| control supply voltage at DC   |   |
| rated value  | 24 V  |
| operating range factor control supply voltage rated value of                     | 2   |
| magnet coil at DC  |   |
| initial value  | 0.8   |
| • full-scale value   | 1.1   |
| closing power of magnet coil at DC   | 5.9 W   |
| holding power of magnet coil at DC   | 5.9 W   |
| closing delay  |   |
| ● at DC  | 50 170 ms                                       |
| opening delay  |   |
| ● at DC  | 15 18 ms  |
| arcing time  | 10 10 ms  |
| control version of the switch operating mechanism                                | Standard A1 - A2                                |
| Auxiliary circuit  |   |
| number of NC contacts for auxiliary contacts instantaneous<br>contact            | 1   |
| number of NO contacts for auxiliary contacts instantaneous<br>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   |   |
| <ul> <li>at 24 V rated value</li> </ul>  | 10 A  |
| <ul> <li>at 48 V rated value</li> </ul>  | 6 A   |
| <ul> <li>at 60 V rated value</li> </ul>  | 6 A   |
| <ul> <li>at 110 V rated value</li> </ul>   | 3 A   |
| <ul> <li>at 125 V rated value</li> </ul>   | 2 A   |
| <ul> <li>at 220 V rated value</li> </ul>   | 1 A   |
| at 600 V rated value   | 0.15 A  |
| operational current at DC-13   |   |
| <ul> <li>at 24 V rated value</li> </ul>  | 10 A  |
| <ul> <li>at 48 V rated value</li> </ul>  | 2 A   |
| <ul> <li>at 60 V rated value</li> </ul>  | 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                                     | 07.4  |
| at 480 V rated value   | 27 A  |
| • at 600 V rated value   | 27 A  |
| yielded mechanical performance [hp]  |   |
| for single-phase AC motor     at 110/120 V rated value                           | 2 hz  |
| — at 110/120 V rated value   | 2 hp  |
| — at 230 V rated value   | 5 hp  |
| for 3-phase AC motor     at 200/208 V rated value                                | 10 bp   |
| — at 200/208 V rated value   | 10 hp   |
| - at 220/230 V rated value   | 10 hp   |
| — at 460/480 V rated value   | 20 hp   |
| at 575/600 V rated value<br>contact rating of auxiliary contacts according to UL | 25 hp<br>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 i required  | gg: 125A (690V, 100KA), aw. 50A (690V, 100KA), B588. 125A (415V,80KA)    |  |  |
|---|--|--|--|
| <ul> <li>— with type of assignment 2 required</li> </ul>                          | gG: 50A (690V,100kA), aM: 25A (690V, 100kA), BS88: 50A (415V, 80kA)      |  |  |
| <ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul> | gG: 10 A (500 V, 1 kA)   |  |  |
| nstallation/ mounting/ dimensions   |  |  |  |
| mounting position   | standing, on horizontal mounting surface                                 |  |  |
| fastening method  | screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 |  |  |
| <ul> <li>side-by-side mounting</li> </ul>   | Yes  |  |  |
| height  | 85 mm  |  |  |
| width   | 45 mm  |  |  |
| depth   | 107 mm   |  |  |
| required spacing  |  |  |  |
| <ul> <li>with side-by-side mounting</li> </ul>                                    |  |  |  |
| — forwards  | 10 mm  |  |  |
| — upwards   | 10 mm  |  |  |
| — downwards   | 10 mm  |  |  |
| — at the side   | 0 mm   |  |  |
| <ul> <li>for grounded parts</li> </ul>  |  |  |  |
| — forwards  | 10 mm  |  |  |
| — upwards   | 10 mm  |  |  |
| — at the side   | 6 mm   |  |  |
| — downwards   | 10 mm  |  |  |
| for live parts  |  |  |  |
| — forwards  | 10 mm  |  |  |
| — upwards   | 10 mm  |  |  |
| — downwards   | 10 mm  |  |  |
| — at the side   | 6 mm   |  |  |
| onnections/ Terminals   |  |  |  |
| type of electrical connection   |  |  |  |
| <ul> <li>for main current circuit</li> </ul>                                      | screw-type terminals   |  |  |
| <ul> <li>for auxiliary and control circuit</li> </ul>                             | screw-type terminals   |  |  |
| <ul> <li>at contactor for auxiliary contacts</li> </ul>                           | Screw-type terminals   |  |  |
| <ul> <li>of magnet coil</li> </ul>  | Screw-type terminals   |  |  |
| type of connectable conductor cross-sections for main contacts                    |  |  |  |
| • solid   | 2x (1 2.5 mm²), 2x (2.5 10 mm²)  |  |  |
| <ul> <li>solid or stranded</li> </ul>   | 2x (1 2.5 mm²), 2x (2.5 10 mm²)  |  |  |
| <ul> <li>finely stranded with core end processing</li> </ul>                      | 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²                                |  |  |
| connectable conductor cross-section for main contacts                             |  |  |  |
| • solid   | 1 10 mm²   |  |  |
| stranded  | 1 10 mm²   |  |  |
| <ul> <li>finely stranded with core end processing</li> </ul>                      | 1 10 mm²   |  |  |
| connectable conductor cross-section for auxiliary contacts                        |  |  |  |
| <ul> <li>solid or stranded</li> </ul>   | 0.5 2.5 mm²  |  |  |
| <ul> <li>finely stranded with core end processing</li> </ul>                      | 0.5 2.5 mm²  |  |  |
| type of connectable conductor cross-sections                                      |  |  |  |
| <ul> <li>for auxiliary contacts</li> </ul>  |  |  |  |
| — 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   | 16 8   |  |  |
| <ul> <li>for auxiliary contacts</li> </ul>  | 20 14  |  |  |
| afety related data  |  |  |  |
| product function  |  |  |  |
| <ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>                     | Yes  |  |  |
| B10 value with high demand rate according to SN 31920                             | 450 000  |  |  |
| 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 convice life according to UEO                 | 20 0   |  |  |

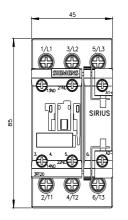
gG: 125A (690V,100kA), aM: 50A (690V,100kA), BS88: 125A (415V,80kA)

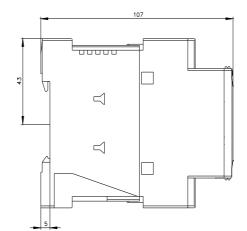
T1 value for proof test interval or service life according to IEC

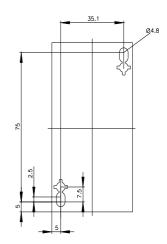
- with type of coordination 1 required

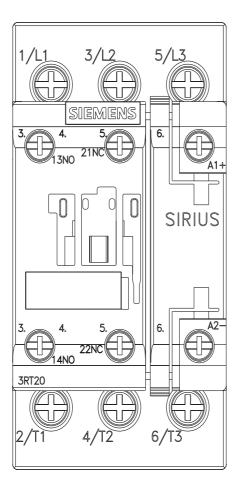
20 a

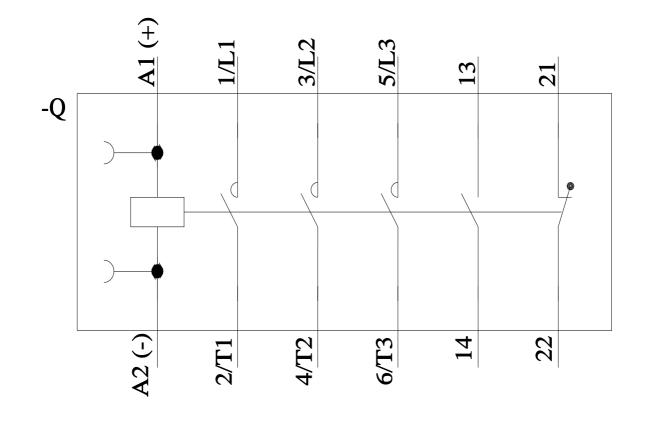
| nrotaction class IP a   |   |  | 0   |  |                                 |
|---|---|--|---|--|---------------------------------|
|   | n the front according to I  |  |   | c 11 c i                                       |                                 |
| touch protection on the front according to IEC 60529  |   | 5 60529 fing   | er-safe, for vertical contact                 | from the front                                 |                                 |
| suitability for use   |   |  |   |  |                                 |
| <ul> <li>safety-related st</li> </ul>   | Ŭ   | Yes  | 3   |  |                                 |
| ertificates/ approvals  |   |  |   |  |                                 |
| General Product App   | proval  |  |   |  |                                 |
|   |   | Confirmation   | ~   | KC   |                                 |
| SP<br>SA  |   |  | (ŲL)  |  | EHC                             |
| EMC   | Functional<br>Safety/Safety of Ma-<br>chinery   | Declaration of Conf  | ormity  | Test Certificates                              |                                 |
| RCM   | Type Examination Cer-<br>tificate   | CE<br>EG-Konf.   | UK<br>CA                                      | <u>Type Test Certific-</u><br>ates/Test Report | Special Test Certific<br>ate    |
| Test Certificates   | Marine / Shipping   |  |   |  |                                 |
| <u>Miscellaneous</u>  | ABS   | BUREAU<br>VERITAS  |   | Lloyd's<br>Register<br>us                      | RINA                            |
| Marine / Shipping   | other   |  | Railway                                       | Dangerous Good                                 | Environment                     |
| RMRS  | <u>Confirmation</u>   |  | <u>Vibration and Shock</u>                    | Transport Information                          | Environmental Con<br>firmations |
| urther information  |   |  |   |  |                                 |
|   | d to exit the Russian marl  |  |   |  |                                 |
| Siemens is working of<br>Please contact your lo<br>EAC relevant market (<br>Information on the pa<br>https://support.industro | other than the sanctioned I<br>ackaging<br>y.siemens.com/cs/ww/en/vi<br>wnloadcenter (Catalogs, I | ent EAC certificates.<br>tatus of validity of the E<br>EAEU member states R<br><u>ew/109813875</u> | AC certification if you intend                | d to import or offer to supp                   | ly these products to a          |
| Industry Mall (Online   |   | alog/product?mlfb=3RT  | <u>2027-1BB40-1AA0</u>                        |  |                                 |
| Cax online generator  | r<br>ion.siemens.com/WW/CAX<br>anuals, Certificates, Chara  | order/default.aspx?lang  | en&mlfb=3RT2027-1BB4                          | <u>)-1AA0</u>                                  |                                 |
| Service&Support (Ma   | <u>/.siemens.com/cs/ww/en/bs</u>  |  |   |  |                                 |
| Service&Support (Ma<br>https://support.industry<br>Image database (pro<br>http://www.automation                               |   | le.aspx?mlfb=3RT2027   | ls, device circuit diagram<br>-1BB40-1AA0⟨=en | s, EPLAN macros,)                              |                                 |











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