## SIEMENS

## Data sheet

## 3RT2037-3AP60



power contactor, AC-3e/AC-3, 65 A, 30 kW / 400 V, 3-pole, 220 V AC, 50 Hz / 240 V, 60 Hz, auxiliary contacts: 1 NO + 1 NC, main circuit: screw terminal, control and auxiliary circuit: spring-loaded terminal, size: S2

| product brand name  | SIRIUS                      |
|---|-----------------------------|
| product designation   | Power contactor             |
| product type designation  | 3RT2                        |
| General technical data  |                             |
| size of contactor   | S2                          |
| product extension   |                             |
| <ul> <li>function module for communication</li> </ul>   | No                          |
| <ul> <li>auxiliary switch</li> </ul>  | Yes                         |
| power loss [W] for rated value of the current   |                             |
| <ul> <li>at AC in hot operating state</li> </ul>  | 11.4 W                      |
| <ul> <li>at AC in hot operating state per pole</li> </ul>   | 3.8 W                       |
| <ul> <li>without load current share typical</li> </ul>  | 18.5 W                      |
| insulation voltage  |                             |
| • of main circuit with degree of pollution 3 rated value  | 690 V                       |
| <ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>                                 | 690 V                       |
| surge voltage resistance  |                             |
| <ul> <li>of main circuit rated value</li> </ul>   | 6 kV                        |
| <ul> <li>of auxiliary circuit rated value</li> </ul>  | 6 kV                        |
| maximum permissible voltage for protective separation between<br>coil and main contacts according to EN 60947-1 | 400 V                       |
| 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)  |                             |
| <ul> <li>of contactor typical</li> </ul>  | 10 000 000                  |
| <ul> <li>of the contactor with added electronically optimized<br/>auxiliary switch block typical</li> </ul>     | 5 000 000                   |
| <ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>                                  | 10 000 000                  |
| 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   |                             |
| <ul> <li>during operation</li> </ul>  | -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  |                             |
| 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  | 80 A               |
| value  |                    |
| • at AC-1  |                    |
| — up to 690 V at ambient temperature 40 °C rated<br>value  | 80 A               |
| — up to 690 V at ambient temperature 60 °C rated   | 70 A               |
| value  |                    |
| • at AC-3  |                    |
| — at 400 V rated value   | 65 A               |
| — at 500 V rated value   | 65 A               |
| — at 690 V rated value   | 47 A               |
| • at AC-3e   |                    |
| — at 400 V rated value   | 65 A               |
| — at 500 V rated value   | 65 A               |
| — at 690 V rated value   | 47 A               |
| at AC-4 at 400 V rated value   | 55 A               |
| at AC-5a up to 690 V rated value   | 70.4 A             |
| <ul> <li>at AC-5b up to 400 V rated value</li> <li>at AC-6a</li> </ul>   | 53.9 A             |
|  | 56.9 A             |
| — up to 230 V for current peak value n=20 rated value  |                    |
| — up to 400 V for current peak value n=20 rated value  | 56.9 A<br>56.9 A   |
| <ul> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> </ul> | 47 A               |
| • at AC-6a   | 4/ A               |
| <ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>  | 38 A               |
| — up to 200 V for current peak value n=30 rated value  | 38 A               |
| — up to 500 V for current peak value n=30 rated value  | 38 A               |
| — up to 690 V for current peak value n=30 rated value  | 38 A               |
| minimum cross-section in main circuit at maximum AC-1 rated  | 25 mm <sup>2</sup> |
| value  |                    |
| operational current for approx. 200000 operating cycles at AC-4  |                    |
| at 400 V rated value   | 28 A               |
| at 690 V rated value   | 22 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              |
| <ul> <li>with 3 current paths in series at DC-1</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   | 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>  |                    |

|  | — at 24 V rated value   | 35 A  |
|--|---|---|
|  | — at 60 V rated value   | 6 A   |
|  | — at 220 V rated value  | 1 A   |
| • win 2 current path in series at DC-3 at DC-5         5           - at 24 V rade value         55 Å           - at 110 V rade value         25 Å           - at 110 V rade value         5 Å           - at 440 V rade value         0.27 Å           - at 440 V rade value         0.18 Å           - at 440 V rade value         0.18 Å           - at 440 V rade value         0.18 Å           - at 440 V rade value         0.5 Å           - at 440 V rade value         55 Å           - at 440 V rade value         55 Å           - at 440 V rade value         0.38 Å           - at 440 V rade value         30 kW           - at 440 V rade value         30 kW           - at 420 V rade value         37 kW           - at 400 V rade value         37 kW <td>— at 440 V rated value</td> <td>0.1 A</td>   | — 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>      |   |
| - all 10 Vinited value<br>at 440 Vinited value<br>b 27 A<br>- at 600 Vinited value<br>0 27 A<br>- at 600 Vinited value<br>0 27 A<br>- at 600 Vinited value<br>0 27 A<br>- at 60 Vinited value<br>55 A<br>- at 24 Vinited value<br>55 A<br>- at 24 Vinited value<br>55 A<br>- at 70 Vinited value<br>56 A<br>- at 700 Vinited value<br>57 A<br>- at 400 Vinited value<br>58 A<br>- at 700 Vinited value<br>59 A<br>- at 700 Vinited value<br>50 Vinited value | — 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   |
| • with 3 current path in series at DC-3 at DC-5     55 A       - at 20 V rated value     55 A       - at 110 V rated value     55 A       - at 120 V rated value     55 A       - at 440 V rated value     66 A       - at 420 V rated value     0.35 A       operating power     0.35 A       - at 600 V rated value     0.35 A       operating power     0.15 KW       - at 230 V rated value     30 KW       - at 230 V rated value     30 KW       - at 500 V rated value     30 KW       - at 500 V rated value     30 KW       - at 500 V rated value     37 KW       - at 600 V rated value     30 KW       - at 500 V rated value     30 kW       - at 500 V rated value     30 kW       - at 600 V rated value     30 kW       opoperating poperator     30 kW <tr< td=""><td>— at 440 V rated value</td><td>0.27 A</td></tr<>  | — 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  |
| operating power       at AC-2 at 400 V rated value       30 kW         • at AC-3   | — at 440 V rated value  | 0.6 A   |
|  | — at 600 V rated value  | 0.35 A  |
|  | operating power   |   |
|  |   | 30 kW   |
|  | • at AC-3   |   |
| at 400 V rated value30 kW at 500 V rated value37 kW at 230 V rated value37 kW at 230 V rated value15. kW at 400 V rated value30 kW at 630 V rated value30 kW at 630 V rated value37 kW at 630 V rated value20 kWoperating power for approx. 20000 operating cycles at AC at 640 V rated value20 kWoperating apparent power at AC-6820 kW operating apparent power at AC-6850 kW op to 200 V for current peak value n=20 rated value34 kVA up to 200 V for current peak value n=20 rated value35 kVA op to 400 V for current peak value n=30 rated value36 k kVA up to 200 V for current peak value n=30 rated value26 kVA op to 400 V for current peak value n=30 rated value28 kVA up to 580 V for current peak value n=30 rated value28 kVA op to 680 V for current peak value n=30 rated value28 kVA op to 680 V for current peak value n=30 rated value28 kVA op to 680 V for current peak value n=30 rated value28 kVA op time bas value n=30 rated value28 kVA <td>— at 230 V rated value</td> <td>18.5 kW</td>   | — at 230 V rated value  | 18.5 kW   |
| at 890 V rated value37 kW• at AC-3e at 230 V rated value30 kW at 400 V rated value30 kW at 690 V rated value37 kW at 690 V rated value20 kWoperating paperent power at AC-6a22.6 kVA up to 500 V for current peak value n=20 rated value39.4 kVA up to 500 V for current peak value n=20 rated value56.1 kVA up to 500 V for current peak value n=20 rated value56.1 kVA up to 500 V for current peak value n=30 rated value56.1 kVA up to 500 V for current peak value n=30 rated value28.2 kVA up to 500 V for current peak value n=30 rated value28.2 kVA up to 500 V for current peak value n=30 rated value28.2 kVA up to 500 V for current peak value n=30 rated value28.2 kVA up to 500 V for current peak value n=30 rated value28.2 kVA up to 500 V for current neak value n=30 rated value28.2 kVA up to 500 V for current neak value n=30 rated value28.2 kVA up to 500 V for current neak value n=30 rated value28.2 kVA up to 500 V for current neak value n=30 rated value28.2 kVA up to 500 V for current neak value n=30 rated value28.2 kVA up to 500 V for current neak value n=30 rated value28.2 kVA </td <td>— at 400 V rated value</td> <td>30 kW</td>   | — at 400 V rated value  | 30 kW   |
| • at AC-3eI at 230 V rated value15.5 kW- at 400 V rated value30 kW- at 600 V rated value37 kW- at 600 V rated value37 kW- at 600 V rated value37 kWoperating power for approx. 20000 operating cycles at AC-414.7 kW• at 400 V rated value14.7 kW• at 600 V rated value20 kWoperating apparent power at AC-6a20 kW• up to 230 V for current peak value n=20 rated value39.4 kVA• up to 500 V for current peak value n=20 rated value39.4 kVA• up to 690 V for current peak value n=20 rated value56.1 kVAoperating apparent power at AC-6a15.1 kVA• up to 690 V for current peak value n=30 rated value22.8 kVA• up to 600 V for current peak value n=30 rated value25.8 kVA• up to 500 V for current peak value n=30 rated value25.8 kVA• up to 500 V for current peak value n=30 rated value25.8 kVA• up to 500 V for current peak value n=30 rated value35.4 kVA• up to 500 V for current peak value n=30 rated value32.8 kVA• up to 500 V for current peak value n=30 rated value35.4 kVA• up to 500 V for current no current maximum1055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 ra   | — at 500 V rated value  | 37 kW   |
| at 230 V rated value18.5 kW at 400 V rated value30 kW at 500 V rated value37 kWoperating power for approx. 20000 operating cycles at AC-<br>47 kW• at 400 V rated value14.7 kWoperating apparent power at AC-6a22<br>22 kWA• up to 230 V for current peak value n=20 rated value39.4 kVA• up to 500 V for current peak value n=20 rated value39.4 kVA• up to 500 V for current peak value n=20 rated value50.1 kVA• up to 500 V for current peak value n=20 rated value51.4 kVA• up to 500 V for current peak value n=30 rated value52.4 kVA• up to 500 V for current peak value n=30 rated value22.8 kVA• up to 500 V for current peak value n=30 rated value22.8 kVA• up to 500 V for current peak value n=30 rated value22.8 kVA• up to 500 V for current peak value n=30 rated value22.8 kVA• up to 500 V for current peak value n=30 rated value22.8 kVA• up to 500 V for current peak value n=30 rated value22.8 kVA• up to 500 V for current peak value n=30 rated value32.8 kVA• up to 500 V for current peak value n=30 rated value32.8 kVA• up to 500 V for current peak value n=30 rated value33.6 k.U se minimum cross-section acc. to AC-1 rated value• up to 500 V for current peak value n=30 rated value33.6 k.U se minimum cross-section acc. to AC-1 rated value• uimited to 1 s switching at zero current maximum33.6 k.U se minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum35.0 k.U se minimum cross-   | — at 690 V rated value  | 37 kW   |
|  | • at AC-3e  |   |
|  | — at 230 V rated value  | 18.5 kW   |
|  | — at 400 V rated value  | 30 kW   |
| operating power for approx. 20000 operating cycles at AC-4       14.7 kW         • at 400 V rated value       20 kW         operating apparent power at AC-6a       20 kW         • up to 230 V for current peak value n=20 rated value       39.4 kVA         • up to 500 V for current peak value n=20 rated value       39.4 kVA         • up to 500 V for current peak value n=20 rated value       39.4 kVA         • up to 500 V for current peak value n=20 rated value       46.1 kVA         • up to 500 V for current peak value n=20 rated value       56.1 kVA         operating apparent power at AC-6a       15.1 kVA         • up to 500 V for current peak value n=30 rated value       56.2 kVA         • up to 500 V for current peak value n=30 rated value       28.8 kVA         • up to 500 V for current peak value n=30 rated value       28.8 kVA         • up to 690 V for current peak value n=30 rated value       32.8 kVA         • up to 690 V for current peak value n=30 rated value       45.3 kVA         short-time withstand current in cold operating state up to 40° C       1055 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 1s switching at zero current maximum       1055 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at zero current maximum       236 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at   | — at 500 V rated value  | 37 kW   |
| 4     i at 400 V rated value     14.7 kW       • at 690 V rated value     20 kW       operating apparent power at AC-6a     22.6 kVA       • up to 230 V for current peak value n=20 rated value     39.4 kVA       • up to 500 V for current peak value n=20 rated value     39.4 kVA       • up to 500 V for current peak value n=20 rated value     49.2 kVA       • up to 500 V for current peak value n=20 rated value     56.1 kVA       operating apparent power at AC-6a     15.1 kVA       • up to 230 V for current peak value n=30 rated value     28.2 kVA       • up to 600 V for current peak value n=30 rated value     28.2 kVA       • up to 500 V for current peak value n=30 rated value     28.2 kVA       • up to 600 V for current peak value n=30 rated value     28.2 kVA       • up to 600 V for current peak value n=30 rated value     26.2 kVA       • up to 600 V for current peak value n=30 rated value     26.3 kVA       • up to 600 V for current peak value n=30 rated value     26.3 kVA       • up to 600 V for current peak value n=30 rated value     32.8 kVA       • up to 600 V for current peak value n=30 rated value     45.3 kVA       • up to 600 V for current maximum     1055 A; Use minimum cross-section acc. to AC-1 rated value       • limited to 10 s switching at zero current maximum     500 A; Use minimum cross-section acc. to AC-1 rated value       • limited to 10 s switching at zero current maximum     27   | — at 690 V rated value  | 37 kW   |
| 4     i at 400 V rated value     14.7 kW       • at 690 V rated value     20 kW       operating apparent power at AC-6a     22.6 kVA       • up to 230 V for current peak value n=20 rated value     39.4 kVA       • up to 500 V for current peak value n=20 rated value     39.4 kVA       • up to 500 V for current peak value n=20 rated value     49.2 kVA       • up to 500 V for current peak value n=20 rated value     56.1 kVA       operating apparent power at AC-6a     15.1 kVA       • up to 230 V for current peak value n=30 rated value     28.2 kVA       • up to 600 V for current peak value n=30 rated value     28.2 kVA       • up to 500 V for current peak value n=30 rated value     28.2 kVA       • up to 600 V for current peak value n=30 rated value     28.2 kVA       • up to 600 V for current peak value n=30 rated value     26.2 kVA       • up to 600 V for current peak value n=30 rated value     26.3 kVA       • up to 600 V for current peak value n=30 rated value     26.3 kVA       • up to 600 V for current peak value n=30 rated value     32.8 kVA       • up to 600 V for current peak value n=30 rated value     45.3 kVA       • up to 600 V for current maximum     1055 A; Use minimum cross-section acc. to AC-1 rated value       • limited to 10 s switching at zero current maximum     500 A; Use minimum cross-section acc. to AC-1 rated value       • limited to 10 s switching at zero current maximum     27   |   |   |
| • at 690 V rated value       20 kW         operating apparent power at AC-6a       22.6 kVA         • up to 230 V for current peak value n=20 rated value       39.4 kVA         • up to 600 V for current peak value n=20 rated value       39.4 kVA         • up to 690 V for current peak value n=20 rated value       49.2 kVA         • up to 690 V for current peak value n=20 rated value       56.1 kVA         operating apparent power at AC-6a       51.1 kVA         • up to 230 V for current peak value n=30 rated value       26.2 kVA         • up to 500 V for current peak value n=30 rated value       28.8 kVA         • up to 690 V for current peak value n=30 rated value       28.8 kVA         • up to 690 V for current peak value n=30 rated value       28.8 kVA         • up to 690 V for current peak value n=30 rated value       45.3 kVA         short-time withstand current in cold operating state up to 40°C       45.3 kVA         • limited to 1 s switching at zero current maximum       1 055 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 10 s switching at zero current maximum       20 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 10 s switching at zero current maximum       20 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 30 s switching at zero current maximum       20 A; Use minimum cross-section acc. to AC-1 rated value   |   |   |
| operating apparent power at AC-6a22.6 kVA• up to 230 V for current peak value n=20 rated value39.4 kVA• up to 500 V for current peak value n=20 rated value39.4 kVA• up to 500 V for current peak value n=20 rated value49.2 kVA• up to 690 V for current peak value n=20 rated value50.1 kVAoperating apparent power at AC-6a15.1 kVA• up to 230 V for current peak value n=30 rated value26.2 kVA• up to 500 V for current peak value n=30 rated value22.6 kVA• up to 500 V for current peak value n=30 rated value26.2 kVA• up to 500 V for current peak value n=30 rated value28.8 kVA• up to 500 V for current peak value n=30 rated value32.8 kVA• up to 500 V for current peak value n=30 rated value45.3 kVA• up to 690 V for current peak value n=30 rated value45.3 kVA• up to 500 V for current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum20 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum36 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value   | <ul> <li>at 400 V rated value</li> </ul>                                | 14.7 kW   |
| • up to 230 V for current peak value n=20 rated value       22.6 kVA         • up to 400 V for current peak value n=20 rated value       39.4 kVA         • up to 500 V for current peak value n=20 rated value       49.2 kVA         • up to 690 V for current peak value n=20 rated value       50.1 kVA         operating apparent power at AC-6a       6         • up to 230 V for current peak value n=30 rated value       26.2 kVA         • up to 500 V for current peak value n=30 rated value       26.2 kVA         • up to 500 V for current peak value n=30 rated value       26.2 kVA         • up to 500 V for current peak value n=30 rated value       28.4 kVA         • up to 500 V for current peak value n=30 rated value       28.4 kVA         • up to 690 V for current peak value n=30 rated value       32.8 kVA         • up to 690 V for current peak value n=30 rated value       45.3 kVA         • up to 690 V for current peak value n=30 rated value       45.3 kVA         • up to 690 V for current peak value n=30 rated value       45.3 kVA         • up to 690 V for current peak value n=30 rated value       45.3 kVA         • up to 690 V for current peak value n=30 rated value       45.3 kVA         • up to 690 V for current peak value n=30 rated value       45.3 kVA         • up to 690 V for current peak value n=30 rated value       50 A (Use minimum cross-section acc. to AC-1 rated value <td><ul> <li>at 690 V rated value</li> </ul></td> <td>20 kW</td>  | <ul> <li>at 690 V rated value</li> </ul>                                | 20 kW   |
| up to 400 V for current peak value n=20 rated value39.4 kVAup to 500 V for current peak value n=20 rated value49.2 kVAup to 690 V for current peak value n=20 rated value56.1 kVAoperating apparent power at AC-6aup to 230 V for current peak value n=30 rated value15.1 kVAup to 400 V for current peak value n=30 rated value26.2 kVAup to 500 V for current peak value n=30 rated value32.8 kVAup to 690 V for current peak value n=30 rated value32.8 kVAup to 690 V for current peak value n=30 rated value32.8 kVAup to 690 V for current peak value n=30 rated value32.8 kVAup to 690 V for current peak value n=30 rated value45.3 kVAshort-time withstand current in cold operating state up to<br>40 °C40.2 Cilmited to 1 s switching at zero current maximum1055 A; Use minimum cross-section acc. to AC-1 rated valueilmited to 50 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated valueilmited to 60 s switching at zero current maximum36 A; Use minimum cross-section acc. to AC-1 rated valueilmited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated valueilmited to 60 s switching at zero current maximum270 A; Use minimum cross-section acc. to AC-1 rated valueilmited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated valueilmited to 60 s switching at zero current maximum270 A; Use minimum cross-section acc. to AC-1 rated valueilmited to 60 s switching at zero current maximum200 1/h  | operating apparent power at AC-6a                                       |   |
| • up to 500 V for current peak value n=20 rated value       49.2 kVA         • up to 690 V for current peak value n=20 rated value       56.1 kVA         operating apparent power at AC-6a       15.1 kVA         • up to 230 V for current peak value n=30 rated value       26.2 kVA         • up to 500 V for current peak value n=30 rated value       26.2 kVA         • up to 500 V for current peak value n=30 rated value       26.2 kVA         • up to 500 V for current peak value n=30 rated value       25.3 kVA         • up to 500 V for current peak value n=30 rated value       45.3 kVA         • up to 500 V for current peak value n=30 rated value       45.3 kVA         • up to 500 V for current peak value n=30 rated value       45.3 kVA         • up to 500 V for current maximum       1 055 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 1 s switching at zero current maximum       520 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 10 s switching at zero current maximum       236 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 S switching at zero current maximum       272 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at zero current maximum       272 A; Use minimum cross-section acc. to AC-1 rated value         • limited to 60 s switching at zero current maximum       272 A; Use minimum cross-section acc. to AC-1 rated value <td><ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul></td> <td>22.6 kVA</td>  | <ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul> | 22.6 kVA  |
| • up to 690 V for current peak value n=20 rated value     for current peak value n=30 rated value     iup to 230 V for current peak value n=30 rated value     iup to 230 V for current peak value n=30 rated value     iup to 500 V for current peak value n=30 rated value     26.2 kVA     iup to 500 V for current peak value n=30 rated value     32.8 kVA     iup 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     limited to 5 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 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     ilimited to 60 s switching at zero current maximum     at AC-     sound thing frequency     i at AC-     for at AC-     for at AC-     for at AC-     sound thing     i at AC-2 maximum     at AC-3 maximum     i at AC-3 maximum     current     at AC-4 maximum     zurent     at AC-4 maximum     zurent   | <ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul> | 39.4 kVA  |
| operating apparent power at AC-6a15.1 kVA• up to 230 V for current peak value n=30 rated value15.1 kVA• up to 400 V for current peak value n=30 rated value26.2 kVA• up to 500 V for current peak value n=30 rated value32.8 kVA• up to 690 V for current peak value n=30 rated value45.3 kVAshort-time withstand current in cold operating state up to 40 °C45.3 kVA• limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-4 maximum200 1/h  | <ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul> | 49.2 kVA  |
| <ul> <li>up to 230 V for current peak value n=30 rated value</li> <li>15.1 kVA</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>26.2 kVA</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>32.8 kVA</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>45.3 kVA</li> <li>short-time withstand current in cold operating state up to</li> <li>40 °C</li> <li>limited to 1 s switching at zero current maximum</li> <li>1055 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>limited to 1 s switching at zero current maximum</li> <li>1055 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>limited to 30 s switching at zero current maximum</li> <li>S20 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>limited to 30 s switching at zero current maximum</li> <li>S22 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>limited to 60 s switching at zero current maximum</li> <li>S22 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>limited to 60 s switching at zero current maximum</li> <li>S22 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>limited to 60 s switching at zero current maximum</li> <li>S22 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>limited to 60 s switching at zero current maximum</li> <li>S22 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>at AC</li> <li>s to 00 1/h</li> <li>at AC-1 maximum</li> <li>at AC-1 maximum</li> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-4 maximum</li> <li>at AC-4 maximum</li> <li>at AC-4 maximum</li> <li>at AC-4 maximum</li> </ul>   | <ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul> | 56.1 kVA  |
| • up to 400 V for current peak value n=30 rated value26.2 kVA• up to 500 V for current peak value n=30 rated value32.8 kVA• up to 690 V for current peak value n=30 rated value45.3 kVA <b>short-time withstand current in cold operating state up to</b><br><b>40 °C</b> 1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching frequency5 000 1/h• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-4 maximum200 1/h   | operating apparent power at AC-6a                                       |   |
| • up to 500 V for current peak value n=30 rated value32.8 kVA• up to 690 V for current peak value n=30 rated value45.3 kVAshort-time withstand current in cold operating state up to<br>40 °C1055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-3 maximum200 1/h   | <ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul> | 15.1 kVA  |
| • up to 690 V for current peak value n=30 rated value45.3 kVAshort-time withstand current in cold operating state up to<br>40 °C45.3 kVA• limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum730 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-4 maximum200 1/h   | <ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul> | 26.2 kVA  |
| short-time withstand current in cold operating state up to<br>40 °C1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-3 maximum200 1/h   | <ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul> | 32.8 kVA  |
| 40 °C• limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum730 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 e maximum700 1/h• at AC-4 maximum200 1/h  | <ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul> | 45.3 kVA  |
| • limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum730 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching frequency272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum800 1/h• at AC-3 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-4 maximum200 1/h   |   |   |
| • limited to 5 s switching at zero current maximum730 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-4 maximum200 1/h  |   |   |
| • limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• no-load switching frequency272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3e maximum700 1/h• at AC-4 maximum200 1/h  | -   |   |
| • limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated valueno-load switching frequency<br>• at AC5 000 1/hoperating frequency5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3e maximum700 1/h• at AC-4 maximum200 1/h   | -   |   |
| • limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated valueno-load switching frequency5 000 1/h• at AC5 000 1/hoperating frequency800 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum200 1/h   | -   |   |
| no-load switching frequency• at AC5 000 1/hoperating frequency• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-4 maximum200 1/h   | -   |   |
| • at AC5 000 1/hoperating frequency800 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3e maximum700 1/h• at AC-4 maximum200 1/h  |   | 272 A; Use minimum cross-section acc. to AC-1 rated value |
| operating frequency800 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3e maximum700 1/h• at AC-4 maximum200 1/h  |   |   |
| • at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3e maximum700 1/h• at AC-4 maximum200 1/h  |   | 5 000 1/h   |
| • at AC-2 maximum       400 1/h         • at AC-3 maximum       700 1/h         • at AC-3e maximum       700 1/h         • at AC-4 maximum       200 1/h   |   |   |
| • at AC-3 maximum       700 1/h         • at AC-3e maximum       700 1/h         • at AC-4 maximum       200 1/h   |   |   |
| • at AC-3e maximum         700 1/h           • at AC-4 maximum         200 1/h   |   |   |
| • at AC-4 maximum 200 1/h  |   |   |
|  |   |   |
| Control circuit/ Control   |   | 200 1/h   |
|  | Control circuit/ Control  |   |

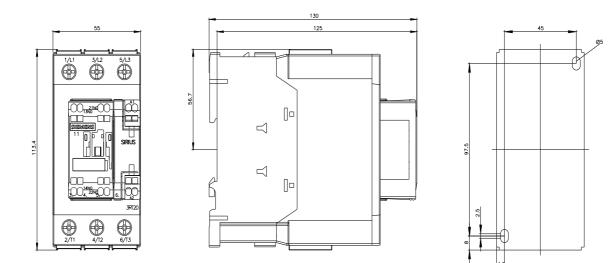
| type of voltage of the control supply voltage  | AC  |
|--|---|
| control supply voltage at AC   |   |
| • at 50 Hz rated value   | 220 V   |
| • at 60 Hz rated value   | 240 V   |
| operating range factor control supply voltage rated value of<br>magnet coil at AC          |   |
| • at 50 Hz   | 0.8 1.1   |
| • at 60 Hz   | 0.8 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                                      |   |
| • at 50 Hz   | 0.69  |
| • at 60 Hz   | 0.65  |
| apparent holding power of magnet coil at AC  |   |
| • 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   | 0.36  |
| • at 60 Hz   | 0.39  |
| closing delay  |   |
| • at AC  | 10 80 ms  |
| opening delay  |   |
| • 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                                 | 1   |
| contact<br>number of NO contacts for auxiliary contacts instantaneous                      | 1   |
| contact  |   |
| operational current at AC-12 maximum   | 10 A  |
| operational current at AC-15   |   |
| <ul> <li>at 230 V rated value</li> </ul>   | 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   |
| • 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   | 65 A  |
| • at 600 V rated value   | 52 A  |
|  |   |
| yielded mechanical performance [hp]  |   |
| <ul> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor</li> </ul> |   |
|  | 5 hp  |

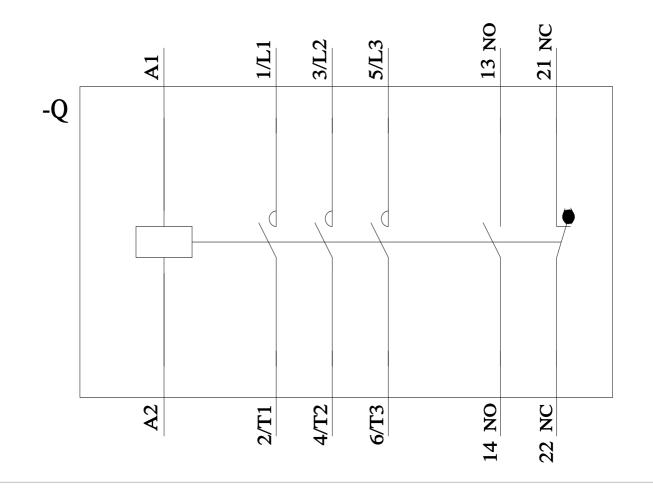
| — at 230 V rated value  | 10 hp  |  |  |  |  |
|---|--|--|--|--|--|
| • for 3-phase AC motor  |  |  |  |  |  |
| — at 200/208 V rated value  | 20 hp  |  |  |  |  |
| — at 220/230 V rated value  | 20 hp  |  |  |  |  |
| — at 460/480 V rated value  | 50 hp  |  |  |  |  |
| — at 575/600 V rated value  | 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: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA)   |  |  |  |  |
| <ul> <li>— with type of assignment 2 required</li> </ul>                          | gG: 125A (690V,100kA), aM: 63A (690V,100kA), BS88: 100A (415V,80kA)  |  |  |  |  |
| <ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul> | 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   |  |  |  |  |
|   | 55 mm  |  |  |  |  |
| width don'th  |  |  |  |  |  |
| depth   | 130 mm   |  |  |  |  |
| required spacing  |  |  |  |  |  |
| with side-by-side mounting  | 40   |  |  |  |  |
| — 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  |  |  |  |  |
| <ul> <li>for live parts</li> </ul>  |  |  |  |  |  |
| — 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   |  |  |  |  |
| <ul> <li>for auxiliary and control circuit</li> </ul>                             | spring-loaded terminals  |  |  |  |  |
| at contactor for auxiliary contacts   | Spring-type terminals  |  |  |  |  |
| of magnet coil  | Spring-type terminals  |  |  |  |  |
| type of connectable conductor cross-sections for main contacts                    |  |  |  |  |  |
| solid or stranded   | 2x (1 35 mm²), 1x (1 50 mm²)   |  |  |  |  |
| <ul> <li>finely stranded with core end processing</li> </ul>                      | $2x (1 35 mm^2), 1x (1 35 mm^2)$<br>$2x (1 25 mm^2), 1x (1 35 mm^2)$   |  |  |  |  |
| connectable conductor cross-section for main contacts                             |  |  |  |  |  |
| finely stranded with core end processing  | 1 35 mm²   |  |  |  |  |
|   |  |  |  |  |  |
| connectable conductor cross-section for auxiliary contacts                        | $0.5 - 2.5 \text{ mm}^2$   |  |  |  |  |
| solid or stranded   | 0.5 2.5 mm <sup>2</sup>  |  |  |  |  |
| finely stranded with core end processing  | 0.5 1.5 mm <sup>2</sup>  |  |  |  |  |
| finely stranded without core end processing                                       | 0.5 2.5 mm²  |  |  |  |  |
| type of connectable conductor cross-sections                                      |  |  |  |  |  |
| for auxiliary contacts  |  |  |  |  |  |
| — solid or stranded   | 2x (0.5 2.5 mm <sup>2</sup> )  |  |  |  |  |
| <ul> <li>finely stranded with core end processing</li> </ul>                      | 2x (0.5 1.5 mm <sup>2</sup> )  |  |  |  |  |
| <ul> <li>finely stranded without core end processing</li> </ul>                   | 2x (0.5 2.5 mm²)   |  |  |  |  |
| <ul> <li>for AWG cables for auxiliary contacts</li> </ul>                         | 2x (20 14)   |  |  |  |  |
| AWG number as coded connectable conductor cross                                   |  |  |  |  |  |
| section   |  |  |  |  |  |

| <ul> <li>for main contact</li> <li>for auxiliary con</li> </ul>   |  |   | 18 1<br>20 14               |                           |   |   |
|---|--|---|-----------------------------|---------------------------|---|---|
| • for auxiliary contacts 20 14<br>Safety related data   |  |   |                             |                           |   |   |
| product function  |  |   |                             |                           |   |   |
| •   | ccording to IEC 60947-4-1  |   | Yes                         |                           |   |   |
|   | 0  | C 60947-5-1                               | No                          |                           |   |   |
|   | positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 |   | 1 000 000                   |                           |   |   |
| proportion of danger  |  | 101020                                    | 1 000 000                   |                           |   |   |
|   | d rate according to SN 319   | 20  | 40 %                        |                           |   |   |
|   | nd rate according to SN 319  |   | 40 %<br>73 %                |                           |   |   |
|   | •  |   |                             |                           |   |   |
|   | bw demand rate according   |   | 100 FIT                     |                           |   |   |
| 61508   | interval or service life acco  | raing to IEC                              | 20 a                        |                           |   |   |
| protection class IP or  | n the front according to II  | EC 60529                                  | IP20                        |                           |   |   |
| -   | the front according to IEC   |   | finger-safe                 | e, for vertical contact   | from the front                              |   |
| suitability for use   | <b>.</b>   |   | 0                           | -,                        |   |   |
| safety-related sv   | witching OFF   |   | Yes                         |                           |   |   |
| Certificates/ approvals   | Ŭ  |   | 100                         |                           |   |   |
|   |  |   | _                           |                           |   |   |
| General Product App   | proval   |   |                             |                           |   |   |
|   |  | <u>Confirmatio</u>                        | n                           | (UL)                      | KC  | EAC                                     |
| EMC   | Functional<br>Safety/Safety of Ma-<br>chinery  | Declaration of                            | Conformity                  |                           | Test Certificates                           |   |
| RCM   | <u>Type Examination Cer-</u><br><u>tificate</u>  | CE<br>EG-Konf.                            |                             | UK<br>CA                  | <u>Special Test Certific-</u><br><u>ate</u> | Type Test Certific-<br>ates/Test Report |
| Marine / Shipping   |  |   |                             |                           |   |   |
| ABS   | B U R E A U<br>VERITAS   |   |                             | Lloyds<br>Register<br>uxs | PRS   | RINA                                    |
| Marine / Shipping   | other  |   | Ra                          | ailway                    | Dangerous Good                              | Environment                             |
| RMRS  | <u>Confirmation</u>  | <u>Confirmatio</u>                        | n Vi                        | bration and Shock         | Transport Information                       | Environmental Con-<br>firmations        |
|   |  |   |                             |                           |   |   |
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| http://support.automati   | on.siemens.com/WW/CAX  |   |                             | nlfb=3RT2037-3AP6         | <u>0</u>                                    |   |
|   | anuals, Certificates, Chara  |   |                             |                           |   |   |
|   |  |   | •                           | vice circuit diagram      | s, EPLAN macros,)                           |   |
| Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) |  |   |                             |                           |   |   |

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