## SIEMENS

## Data sheet

## 3RT2026-4AN60



power contactor, AC-3 25 A, 11 kW / 400 V 1 NO + 1 NC, 200 V AC, 50 Hz, 200-220 V, 60 Hz, 3-pole, Size S0, ring cable lug connection

| 175   |                            |
|---|----------------------------|
| product brand name  | SIRIUS                     |
| product designation   | Power contactor            |
| product type designation  | 3RT2                       |
| General technical data  |                            |
| size of contactor   | SO                         |
| product extension   |                            |
| <ul> <li>function module for communication</li> </ul>   | No                         |
| auxiliary switch  | Yes                        |
| power loss [W] for rated value of the current   |                            |
| <ul> <li>at AC in hot operating state</li> </ul>  | 5.7 W                      |
| <ul> <li>at AC in hot operating state per pole</li> </ul>   | 1.9 W                      |
| <ul> <li>without load current share typical</li> </ul>  | 10.5 W                     |
| insulation voltage  |                            |
| <ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>                                  | 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 safe isolation between<br>coil and main contacts according to EN 60947-1    | 400 V                      |
| shock resistance at rectangular impulse   |                            |
| • at AC   | 8,3g / 5 ms, 5,3g / 10 ms  |
| shock resistance with sine pulse  |                            |
| • at AC   | 13,5g / 5 ms, 8,3g / 10 ms |
| mechanical service life (switching 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)   | 10/01/2009                 |
| 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  |                    |
| <ul> <li>at AC-3 rated value maximum</li> </ul>  | 690 V              |
| <ul> <li>at AC-3e rated value maximum</li> </ul>   | 690 V              |
| operational current  |                    |
| <ul> <li>at AC-1 at 400 V at ambient temperature 40 °C<br/>rated value</li> </ul>  | 40 A               |
| • at AC-1  |                    |
| <ul> <li>— up to 690 V at ambient temperature 40 °C rated value</li> </ul>   | 40 A               |
| — up to 690 V at ambient temperature 60 °C rated value   | 35 A               |
| • at AC-3  |                    |
| — at 400 V rated value   | 25 A               |
| — at 500 V rated value   | 18 A               |
| — at 690 V rated value   | 13 A               |
| • at AC-3e   |                    |
| — at 400 V rated value   | 25 A               |
| — at 500 V rated value   | 18 A               |
| — at 690 V rated value   | 13 A               |
| • at AC-4 at 400 V rated value   | 15.5 A             |
| <ul> <li>at AC-5a up to 690 V rated value</li> </ul>   | 35.2 A             |
| • at AC-5b up to 400 V rated value   | 20.7 A             |
| • at AC-6a   |                    |
| <ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>  | 20.2 A             |
| <ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>  | 20.2 A             |
| <ul> <li>— up to 500 V for current peak value n=20 rated value</li> </ul>  | 20.2 A             |
| <ul> <li>up to 690 V for current peak value n=20 rated<br/>value</li> </ul>  | 12.9 A             |
| <ul> <li>at AC-6a         <ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul> </li> </ul>            | 13.5 A             |
| — up to 400 V for current peak value n=30 rated value  | 13.5 A             |
| <ul> <li>— up to 500 V for current peak value n=30 rated value</li> </ul>  | 13.5 A             |
| up to 690 V for current peak value n=30 rated value  | 13 A               |
| minimum cross-section in main circuit at maximum AC-1<br>rated value<br>operational current for approx. 200000 operating | 10 mm <sup>2</sup> |
| cycles at AC-4   |                    |
| at 400 V rated value   | 9 A                |
| • at 690 V rated value   | 9 A                |
| operational current  |                    |
| • at 1 current path at DC-1  |                    |
| — at 24 V rated value  | 35 A               |
| — at 110 V rated value   | 4.5 A              |
| — at 220 V rated value   | 1A                 |
| — at 440 V rated value   | 0.4 A              |
| — at 600 V rated value   | 0.25 A             |
| <ul> <li>with 2 current paths in series at DC-1</li> </ul>   |                    |
| - at 24 V rated value  | 35 A               |
| — at 110 V rated value   | 35 A<br>35 A       |
| — at 220 V rated value   | 5 A                |
|  |                    |
| — at 440 V rated value   | 1A                 |
| — 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 Å           - at 22 V rated value         35 Å           - at 22 V rated value         35 Å           - at 24 V rated value         29 Å           - at 24 V rated value         29 Å           - at 24 V rated value         29 Å           - at 24 V rated value         20 Å           - at 24 V rated value         20 Å           - at 24 V rated value         20 Å           - at 24 V rated value         0.00 Å           - at 24 V rated value         0.00 Å           - at 240 V rated value         0.16 Å           - at 240 V rated value         0.16 Å           - at 240 V rated value         0.16 Å           - at 240 V rated value         0.6 Å           - at 230 V rated value         0.6 Å           - at 230 V rated value         0.6 Å           - at 230 V rated value         1.1 kW           - at 230 V rated value         5.5 kW           - at 230 V rated value         1.1 kW  |   |   |  |  |  |  |
|--|---|---|--|--|--|--|
| <ul> <li>af 20 Y rady value</li> <li>af 85 Å</li> <li>af 800 Y rady value</li> <li< td=""><td>— at 24 V rated value</td><td>35 A</td></li<></ul>  | — at 24 V rated value   | 35 A  |  |  |  |  |
| - all 440 Yradd value29.A- all 420 Yradd value14.A- all 24V radd value20.A- all 14V radd value20.A- all 24V radd value20.A- all 24V radd value0.09 A- all 250 Yradd value0.09 A- all 24V radd value0.09 A- all 250 Yradd value0.09 A- all 24V radd value0.09 A- all 24V radd value0.09 A- all 24V radd value0.5A- all 24V radd value0.6A- all 24V radd value0.6A- all 24V radd value0.6A- all 230 Vradd value0.6A- all 230 Vradd value11KW- all 230 Vradd value11KW <td< td=""><td></td><td colspan="5">35 A</td></td<>   |   | 35 A  |  |  |  |  |
|  |   |   |  |  |  |  |
| • at 1 current path at DC-3 at DC-5- at 24 V rade Value25 A- at 25 V rade Value25 A- at 20 V rade Value0.99 A- at 20 V rade Value0.99 A- at 20 V rade Value0.99 A- at 24 V rade Value35 A- at 25 V rade Value35 A- at 26 V rade Value0.16 A- at 27 V rade Value0.16 A- at 26 V rade Value0.16 A- at 27 V rade Value35 A- at 26 V rade Value0.16 A- at 27 V rade Value0.6 A- at 27 V rade Value0.6 A- at 27 V rade Value10 A- at 27 V rade Value10 A- at 28 V rate Value10 A- at 29 V rate Value10 A- at 20 V rated Value10 A- at 20 V rated Value16 A- at 20 V rated Value11 KW- at 20 V rated Value12 KVA- at 20 V rated Value13 KVA- at 20 V rated Value13 KVA- at 20 V rated Value13 KVA- at 20 V rated Value14 KVA- at 20 V rated Value12 KVA- at 20 V rated Value13 KVA- at 20 V rated Value13 KVA- at 20 V rated Value <td>— at 440 V rated value</td> <td colspan="4"></td>  | — at 440 V rated value  |   |  |  |  |  |
| - at 20 V rated value20 A- at 100 V rated value2.5 A- at 420 V rated value0.09 A- at 440 V rated value0.09 A- at 420 V rated value0.06 A- at 420 V rated value35 A- at 24 V rated value35 A- at 240 V rated value36 A- at 250 V rated value0.6 A- at 250 V rated value0.6 A- at 260 V rated value0.6 A- at 270 V rated value10 A- at 280 V rated value11 kW- at 200 V rated value55 kW- at 200 V rated value11 kW- at 200 V rated value11 kW- at 200 V rated value12 kW- at 200 V rated value13 kVA- at 200 V rated value n=20 rated value14 kW- at 690 V rated value n=20 rated value15 kVA- at 690 V rated value n=20 rated value15 kVA- at 690 V fracternet paek value n=20 rated  |   | 1.4 A   |  |  |  |  |
| -25 Å-at 200 V rated value0.00 Å-at 440 V rated value0.00 Å-at 600 V rated value0.00 Å-at 600 V rated value0.00 Å-at 600 V rated value35 Å-at 200 V rated value0.16 Å-at 700 V rated value0.16 Å-at 600 V rated value0.16 Å-at 600 V rated value0.16 Å-at 400 V rated value0.16 Å-at 400 V rated value0.6 Å-at 400 V rated value0.6 Å-at 20 V rated value0.6 Å-at 20 V rated value0.6 Å-at 20 V rated value10 Å-at 20 V rated value11 KW-at 60 V rated value55 KW-at 60 V rated value11 KW-at 60 V rated value11 KW-at 60 V rated value55 KW-at 60 V rated value55 KW-at 60 V rated val   | <ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>                 |   |  |  |  |  |
| - at 200 Y rated value1 A- at 440 V rated value0.06 A- at 600 V rated value0.06 A- at 24 V rated value0.06 A- at 24 V rated value0.6 A- at 24 V rated value15 A- at 24 V rated value0.27 A- at 600 V rated value0.27 A- at 600 V rated value0.16 A- at 24 V rated value35 A- at 24 V rated value0.16 A- at 24 V rated value0.6 A- at 20 V rated value0.6 A- at 24 V rated value0.6 A- at 24 V rated value10 A- at 24 V rated value10 A- at 250 V rated value10 A- at 250 V rated value10 A- at 250 V rated value11 KW- at 650 V rated value15 KW- at 650 V rated value16 KWA- at 650 V rated value16 KWA- at 650 V rated value16 KWA- at 650 V rated value16 KWA <td>— at 24 V rated value</td> <td></td>  | — at 24 V rated value   |   |  |  |  |  |
|  | — at 110 V rated value  | 2.5 A   |  |  |  |  |
|  | — at 220 V rated value  | 1 A   |  |  |  |  |
| • with 2 current paths in series at DC-3 at DC-535 A- at 24 V rated value35 A- at 220 V rated value37 A- at 220 V rated value37 A- at 240 V rated value35 A- at 240 V rated value36 A- at 240 V rated value36 A- at 220 V rated value10 A- at 220 V rated value6 A- at 220 V rated value6 A- at 230 V rated value11 KW- at 400 V rated value11 KW- at 230 V rated value11 KW- at 400 V rated value11 KW- at 600 V rated value11 KW- at 600 V rated value13 KA- at 600 V fract value n=20 rated value13 KA- at   | — 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   |   |  |  |  |  |
|  | — at 110 V rated value  | 15 A  |  |  |  |  |
|  | — at 220 V rated value  | 3 A   |  |  |  |  |
| <ul> <li>with 3 current paths in series at DC-3 at DC-5         <ul> <li>- at 24 V rated value</li> <li>- at 24 V rated value</li> <li>- at 220 V rated value</li> <li>- at 220 V rated value</li> <li>- at 240 V rated value</li> <li>- at 240 V rated value</li> <li>- at 240 V rated value</li> <li>- at 440 V rated value</li> <li>- at 440 V rated value</li> <li>- at 400 V rated value</li> <li>- at 400 V rated value</li> <li>- at 230 V rated value</li> <li>- at 360 V rated value</li> <li>- at 360 V rated value</li> <li>- at 860 V rated value</li> <li>- 1 7 kWA</li> <li>- up to 200 V for current peak value n=30 rated value</li> <li>- 1 5</li></ul></li></ul>   | — 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   |   |  |  |  |  |
|  | — at 110 V rated value  | 35 A  |  |  |  |  |
|  | — at 220 V rated value  | 10 A  |  |  |  |  |
| operating power <ul> <li>at AC-3</li> <li>at AC -3e</li> <li>at 500 V rated value</li> <li>at WW</li> <li>at AC -3e</li> <li>at 500 V rated value</li> <li>at WW</li> <li>at AC -3e</li> <li>at 400 V rated value</li> <li>at WW</li> <li>at 500 V rated value</li> <li>at WW</li> <li>at 500 V rated value</li> <li>at WW</li> <li>at 600 V rated value</li> <li>at WW</li> <li>at 400 V rated value</li> <li>at WW</li> <li>at 400 V rated value</li> <li>at WW</li> <li>at 400 V rated value</li> <li>at WW</li> <li>at 600 V rated value</li> <li>at WW</li> <li>at 600 V rated value</li> <li>at WW</li> <li>at 600 V rated value</li> <li>at 400 V rated value</li> <li>at 400 V rated value</li> <li>at 400 V rated value</li> <li>at 600 V for current peak value n=20 rated value</li> <li>at 600 V for current peak value n=20 rated value</li> <li>by to 230 V for current peak value n=20 rated value</li> <li>by to 200 V for current peak value n=20 rated value</li> <li>by to 200 V for current peak value n=30 rated value</li> <li>by to 200 V for current peak value n=30 rated value</li> <li>by to 400 V for current peak value n=30 rated value</li> <li>by to 500 V for current peak value n=30 rated value</li> <li>by to 500 V for current peak value n=30 rated value</li> <li>by to</li></ul>   | — at 440 V rated value  | 0.6 A   |  |  |  |  |
| • at AC-35.5 kW- at 230 V rated value11 kW- at 500 V rated value11 kW- at 690 V rated value11 kW- at 690 V rated value11 kW- at 230 V rated value11 kW- at 230 V rated value11 kW- at 230 V rated value11 kW- at 300 V rated value11 kW- at 690 V rated value24 kW- at 690 V rated value7.7 kWoperating apparent power at AC-6a8 kVA- up to 230 V for current peak value n=20 rated value13.9 kVA- up to 230 V for current peak value n=20 rated value15.4 kVAoperating apparent power at AC-6a9.3 kVA- up to 530 V for current peak value n=30 rated value15.4 kVAoperating apparent power at AC-6a9.3 kVA- up to 500 V for current peak value n=30 rated value15.5 kVAshort-time withstand current in cold operating state11 kVA- up to 600 V for current peak value n=30 rated value290 A; Use minimum cross-section acc. to AC-1 rated value- limited to 1 s switching at zero current maximum16 A; Use minimum cross-section acc. to AC-1 rated value- limited to 10 s switching at zero current maximum18 A; Use minimum cross-section acc. to AC-1 rated value- limited to 10 s switching at zero current maximum16 A; Use minimum cross  | — at 600 V rated value  | 0.6 A   |  |  |  |  |
|  | operating power   |   |  |  |  |  |
| at 400 V rated value11 kW at 500 V rated value11 kW at 600 V rated value11 kW at 230 V rated value5.5 kW at 400 V rated value11 kW at 600 V rated value4.4 kW at 600 V rated value7.7 kWoperating apparent power at AC-6a8 kVA up to 230 V for current peak value n=20 rated value8 kVA up to 230 V for current peak value n=20 rated value15.4 kVA operating apparent power at AC-6a5.3 kVA up to 690 V for current peak value n=30 rated value5.3 kVA up to 690 V for current peak value n=30 rated value5.3 kVA up to 690 V for current peak value n=30 rated value11.6 kVA up to 690 V for current peak value n=30 rated value12.8 kVA up to 690 V for current peak value n=30 rated value12.8 kVA up to 690 V for current peak value n=30 rated value12.8 kVA up to 690 V for current peak value n=30 rated value12.8 kVA et to 600 V for current peak value n=30 rated value12.8 kVA et to 600 V for current peak value n=30 rated value12.8 kVA et to 600 V for current peak value n=30 rated value12.8 kVA et to 600 V for current peak value n=30 rated value12.8 kVA et to 600 V for curren  | • at AC-3   |   |  |  |  |  |
| at 500 V rated value11 kW at 690 V rated value11 kW• at AC-3e at 230 V rated value5.5 kW at 400 V rated value11 kW at 500 V rated value11 kW at 630 V rated value7.7 kWoperating apparent power at AC-6a8 kVA up to 530 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 40 °C imined to 1 s switching at zero current maximum imined to 1 s switching at zero current maximum imined to 50 s switching at zero current maximum limited to 50 s   | — at 230 V rated value  | 5.5 kW  |  |  |  |  |
| at 690 V rated value11 kW• at AC-3e at 230 V rated value55 kW at 400 V rated value11 kW at 690 V rated value7.7 kWoperating apparent power at AC-6a8 kVA up to 230 V for current peak value n=20 rated value13.9 kVA up to 690 V for current peak value n=20 rated value15.4 kVA up to 690 V for current peak value n=30 rated value15.4 kVA up to 500 V for current peak value n=30 rated value9.3 kVA up to 500 V for current peak value n=30 rated value9.3 kVA up to 500 V for current peak value n=30 rated value9.3 kVA up to 500 V for current peak value n=30 rated value9.3 kVA up to 600 V for current peak value n=30 rated value9.3 kVA up to 500 V for current peak value n=30 rated value9.3 kVA up to 600 V for current peak value n=30 rated value9.3 kVA up to 600 V for current peak value n=30 rated value9.3 kVA up to 600 V for current peak value n=30 rated value9.3 kVA up to 600 V for current peak value n=30 rated value10.6 kVA up to 600 V for current peak value n=30 rated value10.6 kVA up to 60°C   | — at 400 V rated value  | 11 kW   |  |  |  |  |
| • at AC-3e- at 230 V rated value5.5 kW- at 400 V rated value11 kW- at 600 V rated value4.4 kW- at 600 V rated value7.7 kWoperating apparent power at AC-6a8 kVA- up to 230 V for current peak value n=20 rated value13.9 kVA- up to 500 V for current peak value n=20 rated value15.4 kVA- up to 500 V for current peak value n=20 rated value15.4 kVA- up to 230 V for current peak value n=20 rated value5.3 kVA- up to 230 V for current peak value n=20 rated value15.4 kVA- up to 500 V for current peak value n=20 rated value5.3 kVA- up to 500 V for current peak value n=20 rated value5.3 kVA- up to 500 V for current peak value n=30 rated value5.3 kVA- up to 500 V for current peak value n=30 rated value5.3 kVA- up to 500 V for current peak value n=30 rated value11.6 kVA- up to 500 V for current peak value n=30 rated value15.5 kVA- up to 500 V for current peak value n=30 rated value15.5 kVA- up to 500 V for current peak value n=30 rated value15.5 kVA- up to 500 V for current peak value n=30 rated value15.5 kVA- up to 500 V for current peak value n=30 rated value15.6 kVA- up to 500 V for current peak value n=30 rated value15.4 kVA   | — at 500 V rated value  | 11 kW   |  |  |  |  |
| - at 230 V rated value5.5 kW- at 400 V rated value11 kW- at 500 V rated value11 kW- at 690 V rated value11 kW- at 690 V rated value11 kWoperating power for approx. 200000 operating cycles<br>at AC-44.4 kW• at 400 V rated value7.7 kWoperating apparent power at AC-5a8 kVA• up to 230 V for current peak value n=20 rated value8 kVA• up to 500 V for current peak value n=20 rated value13.9 kVA• up to 500 V for current peak value n=20 rated value15.4 kVAoperating apparent power at AC-6a8 kVA• up to 500 V for current peak value n=20 rated value15.4 kVAoperating apparent power at AC-6a8 kVA• up to 500 V for current peak value n=30 rated value5.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 690 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value12.5 kVA• up to 690 V for current peak value n=30 rated value10.6 kVA• up to 690 V for current meak value n=30 rated value12.5 kVA• up to 690 V for current peak value n=30 rated value12.5 kVA• up to 690 V for current peak value n=30 rated value10.6 kVA• up to 690 V for current maximum11.6 kVA• limited to 1 s switching at zero current maximum13.5 kVA• limited to 10 s switching at zero current maximum12.6 kVA• limited to 10 s switching at zero  | — at 690 V rated value  | 11 kW   |  |  |  |  |
| at 400 V rated value11 kW at 500 V rated value11 kW at 690 V rated value11 kW at 690 V rated value11 kW at 690 V rated value11 kW• at 400 V rated value4.4 kW• at 690 V rated value4.4 kW• at 690 V rated value7.7 kW• operating apparent power at AC-6a8 kVA• up to 230 V for current peak value n=20 rated value8 kVA• up to 500 V for current peak value n=20 rated value8 kVA• up to 690 V for current peak value n=20 rated value17.4 kVA• up to 500 V for current peak value n=20 rated value5.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 690 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value12.6 kVA• up to 690 V for current peak value n=30 rated value12.5 kVA• up to 690 V for current peak value n=30 rated value200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum12.8 k; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum12.8 k; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum12.8 k; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s s  | • at AC-3e  |   |  |  |  |  |
| at 500 V rated value11 kW at 690 V rated value11 kWoperating power for approx. 200000 operating cycles<br>at AC-411 kW• at 400 V rated value4.4 kW• at 690 V rated value7.7 kWoperating apparent power at AC-6a8 kVA• up to 230 V for current peak value n=20 rated value8 kVA• up to 500 V for current peak value n=20 rated value13.9 kVA• up to 500 V for current peak value n=20 rated value15.4 kVA• up to 690 V for current peak value n=30 rated value5.3 kVA• up to 500 V for current peak value n=30 rated value5.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value12.8 kVA• up to 690 V for current peak value n=30 rated value12.8 kVA• up to 690 V for current peak value n=30 rated value12.8 kVA• up to 690 V for current peak value n=30 rated value12.8 kVA• up to 690 V for current peak value n=30 rated value200 A; Use minimum cross-section acc. to AC-1 rated value• up to 690 V for current peak value n=10 current maximum12.8 k.VA• limited to 1 s switching at zero current maximum21.8 k.VB eminimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum100 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to   | — at 230 V rated value  | 5.5 kW  |  |  |  |  |
|  | — at 400 V rated value  | 11 kW   |  |  |  |  |
| operating power for approx. 20000 operating cycles<br>at AC-44.4 kW• at 400 V rated value4.4 kW• at 690 V rated value7.7 kWoperating apparent power at AC-6a8 kVA• up to 230 V for current peak value n=20 rated value8 kVA• up to 500 V for current peak value n=20 rated value13.9 kVA• up to 500 V for current peak value n=20 rated value15.4 kVA• up to 690 V for current peak value n=30 rated value5.3 kVA• up to 230 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 600 V for current peak value n=30 rated value15.5 kVA• up to 600 V for current peak value n=30 rated value15.5 kVA• up to 600 V for current peak value n=30 rated value15.5 kVA• up to 600 V for current peak value n=30 rated value12.5 kVA• up to 600 V for current peak value n=30 rated value12.5 kVA• up to 40 °C375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• at ACat AC-1 maximum1 000 1/h• at AC-1 maximum1 000 1/h• at AC-1 maximum1 000 1/h• at AC-1 maximum1 000 1/h<   | — at 500 V rated value  | 11 kW   |  |  |  |  |
| at AC-4A A W• at 400 V rated value4.4 kW• at 690 V rated value7.7 kWoperating apparent power at AC-6a8 kVA• up to 230 V for current peak value n=20 rated value8 kVA• up to 500 V for current peak value n=20 rated value13.9 kVA• up to 690 V for current peak value n=20 rated value15.4 kVA• up to 500 V for current peak value n=20 rated value5.3 kVA• up to 690 V for current peak value n=30 rated value5.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value128 X/A• up to 600 V for current peak value n=30 rated value200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current m  | — at 690 V rated value  | 11 kW   |  |  |  |  |
| • at 690 V rated value7.7 kWoperating apparent power at AC-6a8 kVA• up to 230 V for current peak value n=20 rated value8 kVA• up to 400 V for current peak value n=20 rated value13.9 kVA• up to 500 V for current peak value n=20 rated value17.4 kVA• up to 500 V for current peak value n=20 rated value15.4 kVAoperating apparent power at AC-6a5.3 kVA• up to 230 V for current peak value n=30 rated value5.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value12.5 kVA• up to 690 V for current peak value n=30 rated value200 A; Use minimum cross-section acc. to AC-1 rated value• up to 690 V for current peak value n=30 rated value200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum299 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A;   |   |   |  |  |  |  |
| operating apparent power at AC-6a8 kVA• up to 230 V for current peak value n=20 rated value8 kVA• up to 400 V for current peak value n=20 rated value13.9 kVA• up to 500 V for current peak value n=20 rated value17.4 kVA• up to 690 V for current peak value n=20 rated value15.4 kVA• up to 230 V for current peak value n=30 rated value5.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 500 V for current peak value n=30 rated value15.5 kVA• up to 500 V for current peak value n=30 rated value15.5 kVA• up to 500 V for current peak value n=30 rated value12.6 kVA• up to 690 V for current maximum10.6 VA• limited to 1 s switching at zero current maximum375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum299 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-s  | • at 400 V rated value  | 4.4 kW  |  |  |  |  |
| • up to 230 V for current peak value n=20 rated value8 kVA• up to 400 V for current peak value n=20 rated value13.9 kVA• up to 500 V for current peak value n=20 rated value17.4 kVA• up to 690 V for current peak value n=20 rated value15.4 kVA• up to 230 V for current peak value n=30 rated value5.3 kVA• up to 200 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 500 V for current peak value n=30 rated value15.5 kVA• up to 500 V for current peak value n=30 rated value15.5 kVA• up to 500 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 500 V for current peak value n=30 rated value15.5 kVA• up to 400 °C375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum290 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 S switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 61 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 62 s witching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 63 s witching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 63 s witching at zero current maximum106 A; Use mini   | • at 690 V rated value  | 7.7 kW  |  |  |  |  |
| • up to 400 V for current peak value n=20 rated value13.9 kVA• up to 500 V for current peak value n=20 rated value17.4 kVA• up to 690 V for current peak value n=20 rated value15.4 kVA• up to 230 V for current peak value n=30 rated value5.3 kVA• up to 400 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 40 °C11.6 kVA• up to 40 °C200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum299 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC5 000  | operating apparent power at AC-6a                                     |   |  |  |  |  |
| up to 500 V for current peak value n=20 rated value17.4 kVAup to 690 V for current peak value n=20 rated value15.4 kVAoperating apparent power at AC-6a5.3 kVAup to 230 V for current peak value n=30 rated value9.3 kVAup to 500 V for current peak value n=30 rated value9.3 kVAup to 500 V for current peak value n=30 rated value11.6 kVAup to 690 V for current peak value n=30 rated value15.5 kVAshort-time withstand current in cold operating state<br>up to 40 °C375 A; Use minimum cross-section acc. to AC-1 rated valuelimited to 1 s switching at zero current maximum375 A; Use minimum cross-section acc. to AC-1 rated valuelimited to 1 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated valuelimited to 3 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated valuelimited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated valuelimited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated valuee at AC5 000 1/hoperating frequency1000 1/he at AC-1 maximum1 000 1/he at AC-2 maximum750 1/h   | • up to 230 V for current peak value n=20 rated value                 | 8 kVA   |  |  |  |  |
| up to 500 V for current peak value n=20 rated value17.4 kVAup to 690 V for current peak value n=20 rated value15.4 kVAoperating apparent power at AC-6a5.3 kVAup to 230 V for current peak value n=30 rated value9.3 kVAup to 500 V for current peak value n=30 rated value9.3 kVAup to 500 V for current peak value n=30 rated value11.6 kVAup to 690 V for current peak value n=30 rated value15.5 kVAshort-time withstand current in cold operating state<br>up to 40 °C375 A; Use minimum cross-section acc. to AC-1 rated valuelimited to 1 s switching at zero current maximum375 A; Use minimum cross-section acc. to AC-1 rated valuelimited to 1 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated valuelimited to 3 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated valuelimited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated valuelimited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated valuee at AC5 000 1/hoperating frequency1000 1/he at AC-1 maximum1 000 1/he at AC-2 maximum750 1/h   |   | 13.9 kVA  |  |  |  |  |
| • up to 690 V for current peak value n=20 rated value15.4 kVAoperating apparent power at AC-6a5.3 kVA• up to 230 V for current peak value n=30 rated value9.3 kVA• up to 400 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• limited to 1 s switching at zero current maximum375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum209 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum5 000 1/h• at AC-1 maximum1 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum1 000 1/h   |   | 17.4 kVA  |  |  |  |  |
| operating apparent power at AC-6a5.3 kVA• up to 230 V for current peak value n=30 rated value5.3 kVA• up to 400 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVAshort-time withstand current in cold operating state<br>up to 40 °C375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum<br>• limited to 10 s switching at zero current maximum<br>• limited to 30 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limi  |   | 15.4 kVA  |  |  |  |  |
| • up to 230 V for current peak value n=30 rated value5.3 kVA• up to 400 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVAshort-time withstand current in cold operating state15.5 kVA• limited to 1 s switching at zero current maximum375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum299 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum100 1/h• at AC5 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h  |   |   |  |  |  |  |
| <ul> <li>up to 400 V for current peak value n=30 rated value</li> <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>the KVA</li> <li>short-time withstand current in cold operating state</li> <li>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 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>limited to 60 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>limited to 60 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>limited to 60 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>limited to 60 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>limited to 60 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>limited to 60 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>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching a</li></ul>   |   | 5.3 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>to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 60 °C</li> <li>to 40 °C<td></td><td>9.3 kVA</td></li></ul>   |   | 9.3 kVA   |  |  |  |  |
| short-time withstand current in cold operating state<br>up to 40 °C375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum<br>• limited to 10 s switching at zero current maximum<br>• limited to 30 s switching at zero current maximum<br>• limited to 30 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• at AC-1 maximum<br>• at AC-1 maximum<br>• at AC-2 maximum1 000 1/h<br>• 1 000 1/h<br>• 750 1/h   |   | 11.6 kVA  |  |  |  |  |
| short-time withstand current in cold operating state<br>up to 40 °C375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum<br>• limited to 10 s switching at zero current maximum<br>• limited to 30 s switching at zero current maximum<br>• limited to 30 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum<br>• at AC-1 maximum<br>• at AC-1 maximum<br>• at AC-2 maximum1 000 1/h<br>• 1 000 1/h<br>• 750 1/h   |   | 15.5 kVA  |  |  |  |  |
| <ul> <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>limited to 60 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>limited to 60 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>limited to 60 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>limited to 60 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>limited to 60 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>limited to 60 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>limited to 60 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>limited to 60 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>limited to 60 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<td>short-time withstand current in cold operating state</td><td></td></li></ul> | short-time withstand current in cold operating state                  |   |  |  |  |  |
| <ul> <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>128 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>1000 1/h</li> <li>at AC-2 maximum</li> <li>750 1/h</li> </ul>  | <ul> <li>limited to 1 s switching at zero current maximum</li> </ul>  | 375 A; Use minimum cross-section acc. to AC-1 rated value |  |  |  |  |
| • limited to 30 s switching at zero current maximum<br>• limited to 60 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value<br>106 A; Use minimum cross-section acc. to AC-1 rated valueno-load switching frequency<br>• at AC5000 1/hoperating frequency<br>• at AC-1 maximum1000 1/hot AC-2 maximum750 1/h   | <ul> <li>limited to 5 s switching at zero current maximum</li> </ul>  | 299 A; Use minimum cross-section acc. to AC-1 rated value |  |  |  |  |
| • limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated valueno-load switching frequency5 000 1/h• at AC5 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h   | <ul> <li>limited to 10 s switching at zero current maximum</li> </ul> | 200 A; Use minimum cross-section acc. to AC-1 rated value |  |  |  |  |
| no-load switching frequency• at AC5 000 1/hoperating frequency• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h   | <ul> <li>limited to 30 s switching at zero current maximum</li> </ul> | 128 A; Use minimum cross-section acc. to AC-1 rated value |  |  |  |  |
| • at AC5 000 1/hoperating frequency1 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h   | <ul> <li>limited to 60 s switching at zero current maximum</li> </ul> | 106 A; Use minimum cross-section acc. to AC-1 rated value |  |  |  |  |
| operating frequency• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h  | no-load switching frequency   |   |  |  |  |  |
| • at AC-1 maximum         1 000 1/h           • at AC-2 maximum         750 1/h  | • at AC   | 5 000 1/h   |  |  |  |  |
| • at AC-2 maximum 750 1/h  | operating frequency   |   |  |  |  |  |
|  | • at AC-1 maximum   | 1 000 1/h   |  |  |  |  |
| • at AC-3 maximum 750 1/h  | • at AC-2 maximum   | 750 1/h   |  |  |  |  |
|  | <ul> <li>at AC-3 maximum</li> </ul>                                   | 750 1/h   |  |  |  |  |

| • at AC 3e maximum   | 750 1/h  |
|--|--|
| • at AC-3e maximum   |  |
| at AC-4 maximum  | 250 1/h  |
| Control circuit/ Control   |  |
| type of voltage of the control supply voltage  | AC   |
| control supply voltage at AC   | 222.14   |
| • at 50 Hz rated value   | 200 V  |
| at 60 Hz rated value   | 220 V  |
| operating range factor control supply voltage rated<br>value of magnet coil at AC  |  |
| • at 50 Hz   | 0.8 1.1  |
| • at 60 Hz   | 0.85 1.1   |
| apparent pick-up power of magnet coil at AC  |  |
| • at 50 Hz   | 81 VA  |
| • at 60 Hz   | 79 VA  |
| inductive power factor with closing power of the coil  |  |
| • at 50 Hz   | 0.72   |
| • at 60 Hz   | 0.74   |
| apparent holding power of magnet coil at AC  |  |
| • at 50 Hz   | 10.5 VA  |
| • at 60 Hz   | 8.5 VA   |
| inductive power factor with the holding power of the   |  |
| coil   |  |
| • at 50 Hz   | 0.25   |
| • at 60 Hz   | 0.28   |
| closing delay  |  |
| • at AC  | 8 40 ms  |
| opening delay  |  |
| • at AC  | 4 16 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   | 1  |
| instantaneous contact  |  |
| number of NO contacts for auxiliary contacts<br>instantaneous contact  | 1  |
| operational current at AC-12 maximum   | 10 A   |
| operational current at AC-15   |  |
| at 230 V rated value   | 10 A   |
| at 400 V rated value   | 3 A  |
| at 500 V rated value   | 2 A  |
| at 690 V rated value   | 1A   |
| operational current at DC-12   |  |
| -L   |  |
| <ul> <li>at 24 V rated value</li> </ul>  | 10 A   |
| <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> </ul>   | 10 A<br>6 A  |
|  |  |
| • at 48 V rated value  | 6 A  |
| <ul><li>at 48 V rated value</li><li>at 60 V rated value</li></ul>  | 6 A<br>6 A   |
| <ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> </ul>   | 6 A<br>6 A<br>3 A  |
| <ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> </ul>   | 6 A<br>6 A<br>3 A<br>2 A   |
| <ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> </ul>   | 6 A<br>6 A<br>3 A<br>2 A<br>1 A  |
| <ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul>   | 6 A<br>6 A<br>3 A<br>2 A<br>1 A  |
| <ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul> operational current at DC-13  | 6 A<br>6 A<br>3 A<br>2 A<br>1 A<br>0.15 A  |
| <ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul> <b>operational current at DC-13</b> <ul> <li>at 24 V rated value</li> </ul>   | 6 A<br>6 A<br>3 A<br>2 A<br>1 A<br>0.15 A  |
| <ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul> <b>operational current at DC-13</b> <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> </ul>  | 6 A<br>6 A<br>3 A<br>2 A<br>1 A<br>0.15 A<br>10 A<br>2 A   |
| <ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul> <b>operational current at DC-13</b> <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 600 V rated value</li> </ul>  | 6 A<br>6 A<br>3 A<br>2 A<br>1 A<br>0.15 A<br>10 A<br>2 A<br>2 A  |
| <ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> </ul>   | 6 A<br>6 A<br>3 A<br>2 A<br>1 A<br>0.15 A<br>10 A<br>2 A<br>2 A<br>2 A<br>1 A                            |
| <ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 125 V rated value</li> </ul>   | 6 A<br>6 A<br>3 A<br>2 A<br>1 A<br>0.15 A<br>10 A<br>2 A<br>2 A<br>2 A<br>1 A<br>0.9 A                   |
| <ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> </ul>                                       | 6 A<br>6 A<br>3 A<br>2 A<br>1 A<br>0.15 A<br>10 A<br>2 A<br>2 A<br>2 A<br>1 A<br>0.9 A<br>0.3 A          |
| <ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 100 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul>                              | 6 A<br>6 A<br>3 A<br>2 A<br>1 A<br>0.15 A<br>10 A<br>2 A<br>2 A<br>2 A<br>1 A<br>0.9 A<br>0.3 A<br>0.1 A |
| <ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> | 6 A<br>6 A<br>3 A<br>2 A<br>1 A<br>0.15 A<br>10 A<br>2 A<br>2 A<br>2 A<br>1 A<br>0.9 A<br>0.3 A<br>0.1 A |
| <ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 125 V rated value</li> <li>at 125 V rated value</li> <li>at 60 V rated value</li> <li>at 125 V rated value</li> <li>at 60 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul>   | 6 A<br>6 A<br>3 A<br>2 A<br>1 A<br>0.15 A<br>10 A<br>2 A<br>2 A<br>2 A<br>1 A<br>0.9 A<br>0.3 A<br>0.1 A |

| • at 600 V rated value  | 22 A   |  |  |  |
|---|--|--|--|--|
| yielded mechanical performance [hp]   |  |  |  |  |
| for single-phase AC motor   |  |  |  |  |
| — at 110/120 V rated value  | 2 hp   |  |  |  |
| — at 230 V rated value  | 3 hp   |  |  |  |
| <ul> <li>for 3-phase AC motor</li> </ul>  |  |  |  |  |
| — at 200/208 V rated value  | 5 hp   |  |  |  |
| — at 220/230 V rated value  | 7.5 hp   |  |  |  |
| — at 460/480 V rated value  | 15 hp  |  |  |  |
| — at 575/600 V rated value  | 20 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: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA)  |  |  |  |
| — with type of assignment 2 required  | gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)   |  |  |  |
| <ul> <li>for short-circuit protection of the auxiliary switch<br/>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 standard mounting rail according to DIN EN 60715   |  |  |  |
| <ul> <li>side-by-side mounting</li> </ul>   | Yes  |  |  |  |
| height  | 85 mm  |  |  |  |
| width   | 45 mm  |  |  |  |
| depth   | 97 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   |  |  |  |
| Connections/ Terminals  |  |  |  |  |
| type of electrical connection   |  |  |  |  |
| • for main current circuit  | Ring cable lug connection  |  |  |  |
| <ul> <li>for auxiliary and control circuit</li> </ul>                                 | ring terminal lug connection   |  |  |  |
| at contactor for auxiliary contacts   | Ring cable lug connection  |  |  |  |
| of magnet coil  | Ring cable lug connection  |  |  |  |
| Safety related data   |  |  |  |  |
| product function  |  |  |  |  |
| mirror contact according to IEC 60947-4-1   | Yes  |  |  |  |
| B10 value with high demand rate according to SN 31920                                 | 450 000  |  |  |  |
| proportion of dangerous failures  |  |  |  |  |
| with low demand rate according to SN 31920  | 40 %   |  |  |  |
| with high demand rate according to SN 31920   | 73 %   |  |  |  |
| failure rate [FIT] with low demand rate according to SN<br>31920                      | 100 FIT  |  |  |  |
| T1 value for proof test interval or service life according to                         | 20 у   |  |  |  |

| IEC 61508  |   |                   |                           |   |  |
|--|---|-------------------|---------------------------|---|--|
| protection class IP o 60529  | on the front according                        | to IEC IP         | 200                       |   |  |
| suitability for use  |   |                   |                           |   |  |
| <ul> <li>safety-related s</li> <li>Certificates/ approval</li> </ul> |   | Y                 | es                        |   |  |
| General Product Ap   |   |                   |                           |   |  |
|  | <u>Confirmation</u>                           | CCC CCC           | <b>U</b>                  | <u>KC</u>                                   | EAC  |
| EMC  | Functional<br>Safety/Safety of<br>Machinery   | Declaration of Co | onformity                 | Test Certificates                           |  |
| RCM  | <u>Type Examination</u><br><u>Certificate</u> | UK<br>CA          | CE<br>EG-Konf.            | <u>Special Test Certific-</u><br><u>ate</u> | <u>Type Test Certific-</u><br>ates/Test Report |
| Marine / Shipping  |   |                   |                           |   |  |
| ABS  |   |                   | Hoyd's<br>Register<br>uis | PRS   | RINA   |
| Marine / Shipping  | other   |                   |                           |   |  |
| RMRS   | <u>Confirmation</u>                           | VDE               |                           |   |  |

## **Further information**

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2026-4AN60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-4AN60

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-4AN60

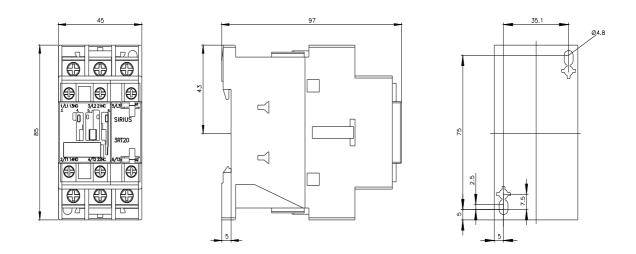
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2026-4AN60&lang=en

Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-4AN60/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-4AN60&objecttype=14&gridview=view1



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