SIEMENS

Data sheet

3RT2027-2AL20



Power contactor, AC-3 32 A, 15 kW / 400 V 1 NO + 1 NC, 230 V AC 50/60 Hz, 3-pole Size S0, Spring-type terminals

| product brand name | SIRIUS |
|---|----------------------------|
| product designation | Power contactor |
| product type designation | 3RT2 |
| General technical data | |
| size of contactor | SO |
| product extension | |
| function module for communication | No |
| auxiliary switch | Yes |
| power loss [W] for rated value of the current | |
| at AC in hot operating state | 6.3 W |
| at AC in hot operating state per pole | 2.3 W |
| without load current share typical | 10.5 W |
| insulation voltage | |
| of main circuit with degree of pollution 3 rated value | 690 V |
| of auxiliary circuit with degree of pollution 3 rated value | 690 V |
| surge voltage resistance | |
| of main circuit rated value | 6 kV |
| of auxiliary circuit rated value | 6 kV |
| maximum permissible voltage for safe isolation between 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) | |
| of contactor typical | 10 000 000 |
| of the contactor with added electronically optimized auxiliary switch block typical | 5 000 000 |
| of the contactor with added auxiliary switch block typical | 10 000 000 |
| reference code according to IEC 81346-2 | Q |
| Substance Prohibitance (Date) | 10/01/2009 |
| Ambient conditions | |
| installation altitude at height above sea level maximum | 2 000 m |
| ambient temperature | |
| during operation | -25 +60 °C |
| during storage | -55 +80 °C |
| relative humidity minimum | 10 % |
| relative humidity at 55 °C according to IEC 60068-2-30 maximum | 95 % |

| number of 0 contacts for main control circuit 3 operating voltage 3 • at AC-3 rated value maximum 680 V • at AC-1 rated value 50 A - up to 680 V at ambient temperature 40 °C 50 A rated value 50 A - up to 680 V at ambient temperature 40 °C 70 A - at 400 V rated value 32 A - at 400 V rated value 30 A - at 400 V rated value 30 A - at 400 V rated value 40 A - at 40 | Main circuit | |
|--|--|--------|
| number of NO contacts for main contacts 3 operating volue maximum 680 v • at AC-3 rated value maximum 680 v • at AC-3 rated value maximum 680 v • at AC-3 rated value maximum 680 v • at AC-1 at 400 V at ambient temperature 40 °C 50 A • at AC-1 at 400 V at ambient temperature 40 °C 50 A • at AC-1 at 400 V rated value 32 A - at 600 V rated value 30 A - at 600 V rated value 30 A - at 600 V for current peak value me20 rated 30 A - aub 60 V for current | | 3 |
| • # AC-3 raied value maximum600 Voperational current600 V• # AC-1 at 400 V at ambient temperature 40 °C50 A• at AC-1 at 400 V at ambient temperature 40 °C50 A• at AC-150 A• at AC-1400 V at ambient temperature 40 °C• at AC-150 A• at AC-1 at 400 V rated value50 A• at AC-150 A• at AC-250 A• at AC-321 A• at AC-3 at ADO V rated value50 A• at AC-3 at ADO V rated value50 A• at AC-4 at ADO V rated value50 A• at AC-5 at D 50 V for current peak value n=20 rated70 A• at AC-5 at D 50 V for current peak value n=20 rated70 A• at AC-5 at AC-410 A• at AC-5 at A21 A• at AC-5 at AC-410 A• at | number of NO contacts for main contacts | 3 |
| • # AC-3c rated value maximum680 Voperational current50 Arated value50 A• at AC-1•- up to 680 V at ambient temperature 40 °C50 Arated value50 A- up to 680 V at ambient temperature 60 °C42 A• at AC-3•- at 400 V rated value32 A• at AC-332 A- at 600 V rated value32 A- at 600 V rated value30 A- at 600 V rated value44 A- at AC-3e- at 600 V rated value- up to 500 V for current peak value n=20 rated70 A- up to 600 V for current peak value n=20 rated70 A- up to 600 V for current peak value n=30 rated50 A- up to 600 V for current peak value n=30 rated50 A- up to 600 V for current peak value n=30 rated50 A- up to 600 V for current peak value n=30 rated10 rm²- up to 600 V for current peak value n=30 rated10 rm²- at 600 V rated value10 A- up to 600 | operating voltage | |
| operational current operational current ai AC-14 400 via ambient temperature 40 °C 50 A | at AC-3 rated value maximum | 690 V |
| • at AC-1 at 400 v1 ambient temperature 40 °C 50 A • up to 569 v1 at ambient temperature 60 °C 50 A • up to 569 v1 at ambient temperature 60 °C 42 A • up to 569 v1 at ambient temperature 60 °C 42 A • up to 509 v1 at ambient temperature 60 °C 42 A • up to 509 v1 at ambient temperature 60 °C 42 A • up to 509 v1 at ambient temperature 60 °C 42 A • up to 509 v1 at ambient temperature 60 °C 42 A • up to 509 v1 at ambient temperature 60 °C 42 A • up to 509 v1 at ambient temperature 60 °C 42 A • up to 509 v1 at ambient temperature 60 °C 42 A • up to 500 v1 at at value 32 A • up to 700 v1 at at value 32 A • up to 700 v1 at at value 22 A • up to 400 v1 at at value 22 A • up to 400 v1 at at value 42 A • up to 400 v1 at at value 40 A • up to 500 v1 for current peak value n=20 rated 40 A • up to 500 v1 for current peak value n=30 rated 20.5 A • up to 500 v1 for current peak value n=30 rated 18 A • up to 500 v1 for current peak value n=30 rated | at AC-3e rated value maximum | 690 V |
| retar value i al AC-1 | operational current | |
| ei AC-1 up to 800 V at ambient temperature 40 °C ried Vaule - up to 800 V at ambient temperature 60 °C ried Vaule ei AC-3 - ei 400 V rated value 2 A - ei 500 V rated value 21 A - ei 400 V rated value 22 A - ei 400 V rated value 22 A - ei 600 V rated value 22 A - ei 70 Current pack value n=20 rated - up fo 600 V for current pack value n=20 rated - up fo 600 V for current pack value n=20 rated - up fo 600 V for current pack value n=20 rated - up fo 600 V for current pack value n=20 rated - up fo 600 V for current pack value n=30 rated - up fo 600 V for current pack value n=30 rated - up fo 600 V for current pack value n=30 rated - up fo 600 V for current pack value n=30 rated - up fo 600 V for current pack value n=30 rated - up fo 600 V for current pack value n=30 rated - up fo 600 V for current pack value n=30 rated - ei 600 V rated value - ei 600 V for current pack value n=30 rated - ei 600 V for current pack value n=30 rated - ei 600 V for current pack value n=30 rated - ei 620 V for current pack value n=30 rated - ei 620 V for current pack value n=30 rated - ei 620 V for current pack va | | 50 A |
| | | |
| | | |
| | | 50 A |
| raide value in the construction of the constru | | 42 A |
| | | |
| | • at AC-3 | |
| | — at 400 V rated value | 32 A |
| | — at 500 V rated value | 32 A |
| | — at 690 V rated value | 21 A |
| - at 500 V rated value32 Å- at 690 V rated value21 Å- at 690 V rated value22 Å- at 44 00 V rated value22 Å- at AC-5a up to 690 V rated value24 Å- at AC-5a up to 100 V for current peak value n=20 rated30.8 Å- up to 100 V for current peak value n=20 rated30.8 Å- up to 500 V for current peak value n=20 rated30.8 Å- up to 500 V for current peak value n=20 rated21 Å- up to 500 V for current peak value n=20 rated21 Å- up to 500 V for current peak value n=20 rated20.5 Å- up to 500 V for current peak value n=30 rated20.5 Å- up to 500 V for current peak value n=30 rated20.5 Å- up to 500 V for current peak value n=30 rated18 Å- up to 500 V for current peak value n=30 rated18 Å- up to 600 V for current peak value n=30 rated12 Å- at 400 V rated value12 Å- at 400 V rated value20.5 Å- at 400 V rated value20.5 Å- at 400 V rated value18 Å- at 400 V rated value12 Å- at 400 V rated value20.5 Å- at 400 V rated value35 Å- at 400 V | • at AC-3e | |
| | — at 400 V rated value | 32 A |
| • at AC-4 at 400 V rated value 22 A • at AC-5a up to 690 V rated value 26 A • at AC-5a up to 400 V for current peak value n=20 rated 30.8 A - up to 500 V for current peak value n=20 rated 30.8 A - up to 500 V for current peak value n=20 rated 30.8 A - up to 500 V for current peak value n=20 rated 21 A - up to 500 V for current peak value n=20 rated 21 A - up to 500 V for current peak value n=30 rated 20.5 A - up to 500 V for current peak value n=30 rated 20.5 A - up to 500 V for current peak value n=30 rated 18 A - up to 600 V for current peak value n=30 rated 10 mm² outer 10 mm² et at 00 V for durent peak value n=30 rated 10 mm² operational current for approx. 200000 operating 20.5 A et at 00 V for durent peak value n=30 rated 10 mm² et at 00 V fated value 20 FA • at 400 V fated value 25 A | — at 500 V rated value | 32 A |
| • at AC-5a up to 690 V rated value 44 A • at AC-5b up to 400 V rated value 25 S A • at AC-6a | — at 690 V rated value | 21 A |
| et AC-5b up to 400 V rated value et AC-5a | • at AC-4 at 400 V rated value | 22 A |
| • at AC-5b up to 400 V rated value 26.5 A • at AC-5a 30.8 A - up to 230 V for current peak value n=20 rated 30.8 A value 30.8 A - up to 500 V for current peak value n=20 rated 30.8 A - up to 500 V for current peak value n=20 rated 27 A - up to 500 V for current peak value n=20 rated 21 A • at AC-5a 21 A - up to 230 V for current peak value n=30 rated 20.5 A value 20.5 A - up to 500 V for current peak value n=30 rated 20.5 A value 18 A - up to 500 V for current peak value n=30 rated 10 mm² rated value 10 mm² operational current for approx. 20000 operating 12 A operational current for approx. 20000 operating 12 A operational current path at DC-1 12 A - at 240 V rated value 35 A - at 440 V rated value 025 A • with 2 current path in series at DC-1 14 AO - at 440 V rated value 35 A - at 440 V rated value 35 A - at 600 V rated value 35 A - at 600 V rated value 35 A </td <td>• at AC-5a up to 690 V rated value</td> <td>44 A</td> | • at AC-5a up to 690 V rated value | 44 A |
| at AC-6a | | 26.5 A |
| valuevalue | | |
| value27 A | | 30.8 A |
| value21 Aup to 690 V for current peak value n=20 rated value21 A• at AC-6a20.5 Aup to 230 V for current peak value n=30 rated value20.5 Aup to 400 V for current peak value n=30 rated value20.5 Aup to 500 V for current peak value n=30 rated value18 Aup to 690 V for current peak value n=30 rated value18 Aup to 690 V for current peak value n=30 rated value18 Aup to 690 V for current peak value n=30 rated value10 mm²up to 690 V for current peak value n=30 rated value10 mm²up to 690 V for current peak value n=30 rated value12 Aup to 690 V for current peak value n=30 rated value12 Aup to 690 V for current for approx. 200000 operating cycles at AC-412 A- at 400 V rated value12 A- at 240 V rated value35 A- at 240 V rated value35 A- at 240 V rated value0.4 A- at 440 V rated value0.4 A- at 440 V rated value35 A- at 4110 V rated value35 A- at 440 V rated value35 A- | | 30.8 A |
| value• at AC-6a up to 230 V for current peak value n=30 rated value20.5 A up to 400 V for current peak value n=30 rated value20.5 A up to 500 V for current peak value n=30 rated value18 A up to 6300 V for current peak value n=30 rated value18 A up to 6300 V for current peak value n=30 rated value10 mm²minimum cross-section in main circuit at maximum AC-1 rated value10 mm²operational current for approx. 200000 operating cycles at AC-412 A• at 400 V rated value12 A• at 400 V rated value35 A- at 24 V rated value35 A- at 24 V rated value0.4 A- at 240 vrated value0.25 A• with 2 current pats in series at DC-1 at 220 V rated value35 A- at 410 V rated value0.25 A- at 240 vrated value35 A- at 240 vrated value35 A- at 220 V rated value35 A- at 220 V rated value35 A- at 440 V rated value35 A- at 440 V rated value35 A- at 440 V rated value35 A- at 110 V rated value35 A- at 440 V rated value36 A | | 27 A |
| up to 230 V for current peak value n=30 rated value20.5 Aup to 400 V for current peak value n=30 rated value20.5 Aup to 500 V for current peak value n=30 rated value18 Aup to 690 V for current peak value n=30 rated value18 Aup to 690 V for current peak value n=30 rated value10 mm²up to 690 V for current peak value n=30 rated value12 A | value | 21 A |
| valueConstraint of a provide walue n=30 rated value20.5 A-up to 500 V for current peak value n=30 rated value18 A-up to 500 V for current peak value n=30 rated value18 A-up to 690 V for current peak value n=30 rated value10 mm²minimum cross-section in main circuit at maximum AC-1 rated value10 mm²operational current for approx. 200000 operating cycles at AC-412 A• at 400 V rated value12 A• at 400 V rated value12 A• at 400 V rated value35 A- at 24 V rated value0.4 A- at 240 V rated value0.4 A- at 400 V rated value0.5 A- at 400 V rated value35 A- at 410 V rated value35 A- at 220 V rated value35 A- at 240 V rated value35 A- at 240 V rated value35 A- at 410 V rated value35 A- at 410 V rated value35 A- at 420 V rated value35 A- at 440 V rated value36 A </td <td></td> <td></td> | | |
| valueI8 A- up to 500 V for current peak value n=30 rated value18 A- up to 680 V for current peak value n=30 rated value18 Aminimum cross-section in main circuit at maximum AC-1 rated value10 mm²operational current for approx. 20000 operating cycles at AC-412 A• at 400 V rated value12 A• at 400 V rated value12 A• at 400 V rated value35 A• at 10 V rated value35 A- at 24 V rated value4.5 A- at 220 V rated value1A- at 440 V rated value0.25 A• at 600 V rated value35 A- at 24 V rated value35 A- at 24 V rated value35 A- at 220 V rated value35 A- at 220 V rated value35 A- at 440 V rated value35 A- at 440 V rated value35 A- at 220 V rated value35 A- at 440 V rated value35 A- at 24 V rated value35 A- at 24 V rated value35 A- at 440 V rated value35 A- at 24 V rated value35 A- at 440 V rated value35 A | value | |
| value18 Aup to 690 V for current peak value n=30 rated value10 mm2minimum cross-section in main circuit at maximum AC-1 rated value10 mm2operational current for approx. 200000 operating cycles at AC-412 Aoperational current for approx. 200000 operating cycles at AC-425 A- at 24 V rated value0.4 A- at 440 V rated value0.4 A- at 24V rated value35 A- at 440 V rated value35 A- at 440 V rated value36 A- at 440 V rated value38 A <td>value</td> <td></td> | value | |
| valueminimum cross-section in main circuit at maximum AC-1 rated value10 mm2operational current for approx. 200000 operating cycles at AC-412 A• at 400 V rated value12 A• at 690 V rated value12 A• at 690 V rated value12 A• at 1 current path at DC-1 at 24 V rated value35 A- at 24 V rated value1 A- at 20 V rated value0.4 A- at 440 V rated value0.25 A- at 600 V rated value35 A- at 24 V rated value35 A- at 24 V rated value35 A- at 24 V rated value35 A- at 440 V rated value35 A- at 440 V rated value35 A- at 440 V rated value1 A- at 440 V rated value35 A- at 440 V rated value36 A | value | |
| rated valueoperational current for approx. 200000 operating cycles at AC-4• at 400 V rated value12 A• at 400 V rated value12 Aoperational current12 Aoperational current12 A• at 1 current path at DC-1 at 24 V rated value35 A- at 24 V rated value4.5 A- at 20 V rated value1 A- at 440 V rated value0.4 A- at 600 V rated value0.25 A• with 2 current paths in series at DC-1 at 24 V rated value35 A- at 24 V rated value35 A- at 440 V rated value0.25 A- at 440 V rated value35 A- at 24 V rated value35 A- at 24 V rated value1 A- at 24 V rated value1 A- at 24 V rated value35 A- at 440 V rated value35 A- at 200 V rated value35 A- at 200 V rated value35 A- at 200 V rated value35 A- at 440 V rated value35 A- at 440 V rated value36 A- a | value | |
| cycles at AC-412 A• at 400 V rated value12 A• at 690 V rated value12 Aoperational current12 A• at 1 current path at DC-1 at 24 V rated value35 A- at 110 V rated value4.5 A- at 220 V rated value1 A- at 440 V rated value0.4 A- at 600 V rated value0.25 A• with 2 current paths in series at DC-1 at 22 V rated value35 A- at 24 V rated value1 A- at 24 V rated value0.25 A• with 2 current paths in series at DC-1 at 24 V rated value35 A- at 440 V rated value1 A- at 20 V rated value1 A- at 20 V rated value35 A- at 20 V rated value1 A- at 20 V rated value5 A- at 440 V rated value5 A- at 440 V rated value1 A- at 600 V rated value1 A- at 600 V rated value5 A- at 440 V rated value5 A- at 600 V rated value1 A- at 600 V rated value1 A- at 600 V rated value1 A- at 600 V rated value0.8 A | rated value | |
| • at 690 V rated value 12 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 1 A - at 440 V rated value 0.4 A - at 600 V rated value 0.25 A - at 24 V rated value 35 A - at 24 V rated value 35 A - at 24 V rated value 0.25 A - at 24 V rated value 5 A - at 24 V rated value 35 A - at 440 V rated value 5 A - at 440 V rated value 1 A - at 440 V rated value 5 A - at 440 V rated value 0.8 A | cycles at AC-4 | |
| operational current• at 1 current path at DC-1- at 24 V rated value- at 24 V rated value- at 110 V rated value- at 220 V rated value- at 220 V rated value- at 440 V rated value- at 440 V rated value- at 600 V rated value- at 24 V rated value- at 26 V rated value- at 26 V rated value- at 440 V rated value- at 440 V rated value- at 440 V rated value- at 600 V rated value | | |
| • at 1 current path at DC-135 A- at 24 V rated value35 A- at 210 V rated value4.5 A- at 220 V rated value1 A- at 440 V rated value0.4 A- at 600 V rated value0.25 A• with 2 current paths in series at DC-1 at 24 V rated value35 A- at 20 V rated value35 A- at 24 V rated value35 A- at 24 V rated value35 A- at 24 V rated value35 A- at 210 V rated value35 A- at 440 V rated value1 A- at 440 V rated value5 A- at 440 V rated value1 A- at 600 V rated value0.8 A | | 12 A |
| at 24 V rated value35 A at 210 V rated value4.5 A at 220 V rated value1 A at 440 V rated value0.4 A at 600 V rated value0.25 A•- at 24 V rated value35 A at 24 V rated value35 A at 210 V rated value35 A at 220 V rated value35 A at 220 V rated value5 A at 240 V rated value5 A at 240 V rated value5 A at 240 V rated value5 A at 440 V rated value5 A at 440 V rated value1 A at 600 V rated value0.8 A | • | |
| - at 110 V rated value 4.5 A - at 220 V rated value 1 A - at 440 V rated value 0.4 A - at 600 V rated value 0.25 A • with 2 current paths in series at DC-1 - - at 24 V rated value 35 A - at 110 V rated value 35 A - at 220 V rated value 5 A - at 220 V rated value 1 A - at 240 V rated value 35 A - at 240 V rated value 35 A - at 260 V rated value 5 A - at 260 V rated value 5 A - at 440 V rated value 5 A - at 440 V rated value 1 A - at 600 V rated value 0.8 A | - | |
| at 220 V rated value at 440 V rated value at 600 V rated value 0.4 A at 600 V rated value 0.25 A • with 2 current paths in series at DC-1 at 24 V rated value 35 A at 110 V rated value 35 A at 220 V rated value 5 A at 440 V rated value 1 A at 440 V rated value 0.8 A | — at 24 V rated value | |
| at 440 V rated value at 600 V rated value 0.4 A at 600 V rated value 0.25 A with 2 current paths in series at DC-1 at 24 V rated value 35 A at 110 V rated value 35 A at 220 V rated value 5 A at 440 V rated value 1 A at 600 V rated value 0.8 A | — at 110 V rated value | |
| at 600 V rated value0.25 A• with 2 current paths in series at DC-1 at 24 V rated value35 A at 110 V rated value35 A at 220 V rated value5 A at 440 V rated value1 A at 600 V rated value0.8 A | — at 220 V rated value | 1 A |
| with 2 current paths in series at DC-1 | — at 440 V rated value | 0.4 A |
| at 24 V rated value35 A at 110 V rated value35 A at 220 V rated value5 A at 440 V rated value1 A at 600 V rated value0.8 A | | 0.25 A |
| at 110 V rated value35 A at 220 V rated value5 A at 440 V rated value1 A at 600 V rated value0.8 A | with 2 current paths in series at DC-1 | |
| at 220 V rated value5 A at 440 V rated value1 A at 600 V rated value0.8 A | — at 24 V rated value | |
| at 440 V rated value 1 A at 600 V rated value 0.8 A | — at 110 V rated value | 35 A |
| — at 600 V rated value 0.8 A | — at 220 V rated value | 5 A |
| | — at 440 V rated value | 1 A |
| with 3 current paths in series at DC-1 | — at 600 V rated value | 0.8 A |
| | with 3 current paths in series at DC-1 | |

| - at 24 V rated value 35 Å - at 22 V rated value 35 Å - at 24 V rated value 29 Å - at 60 V rated value 1.4 Å - at 24 V rated value 20 Å - at 24 V rated value 20 Å - at 10 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 0.16 Å - at 24 V rated value 0.16 Å - at 24 V rated value 0.16 Å - at 24 V rated value 0.6 Å - at 24 V rated value 0.6 Å - at 24 V rated value 0.6 Å - at 23 V rated value 0.6 Å - at 23 V rated value 15 ÅW - at 23 V rated value 15 ÅW - at 23 V rated value 15 ÅW < | | |
|--|---|---|
| - al 220 V rade value 35 Å - al 600 V rade value 29 Å - al 600 V rade value 20 Å - al 700 V rade value 20 Å - al 200 V rade value 20 Å - al 200 V rade value 20 Å - al 200 V rade value 009 Å - al 200 V rade value 016 Å - al 200 V rade value 15 KW - al 200 V rade value 10 KW - al | — at 24 V rated value | 35 A |
| - alt 40 V radid value 2.9 Å - alt 600 V radid value 1.4 Å - alt 24 V radid value 2.0 Å - alt 24 V radid value 2.0 Å - alt 24 V radid value 2.0 Å - alt 24 V radid value 0.09 Å - alt 24 V radid value 0.09 Å - alt 20 V radid value 0.09 Å - alt 24 V radid value 0.16 Å - alt 24 V radid value 0.6 Å - alt 24 V radid value 0.6 Å - alt 20 V radid value 0.6 Å - alt 20 V radid value 15 KW | — at 110 V rated value | |
| | | |
| • at 1 current path at DC-3 at DC-5 > - at 24 V rade Value 25 A - at 24 V rade Value 0.09 A - at 210 V rated Value 0.09 A - at 24 V rade Value 0.09 A - at 220 V rated Value 0.09 A - at 220 V rated Value 0.07 A - at 240 V rated Value 0.16 A - at 240 V rated Value 0.16 A - at 240 V rated Value 0.6 A - at 240 V rated Value 0.6 A - at 250 V rated Value 1.6 A | — at 440 V rated value | |
| | — at 600 V rated value | 1.4 A |
| - at 10 V rited value2.5 Å- at 200 V rated value0.09 Å- at 600 V rated value0.09 Å- at 600 V rated value35 Å- at 24 V rated value35 Å- at 220 V rated value0.16 Å- at 220 V rated value0.16 Å- at 440 V rated value0.6 Å- at 440 V rated value0.6 Å- at 440 V rated value10 Å- at 440 V rated value10 Å- at 440 V rated value10 Å- at 600 V rated value15 ÅW- at 600 V rated value16 ÅW• at 600 V rated value16 ÅW• at 600 V rated value10 ÅW• at 600 V rated value10 ÅW• at 600 V rated value10 ÅW• at 600 V rated value21 ÅWA• at 600 V rated value21 ÅWA• at 600 V rated value = 30 rated value23 ÅVA• at 600 V rated value = 30 rated value23 ÅVA• at 600 V rated value = 30 rated value< | at 1 current path at DC-3 at DC-5 | |
| - at 20 V rated value1 A- at 440 V rated value0.06 A- at 600 V rated value0.06 A• with 2 current paths in series at DC-3 at DC-535 A- at 110 V rated value15 A- at 240 V rated value0.27 A- at 600 V rated value0.27 A- at 600 V rated value0.16 A- at 240 V rated value0.6 A- at 240 V rated value0.6 A- at 240 V rated value10 A- at 250 V rated value15 KW- at 250 V rated value15 KW- at 650 V rated value25 KW- at 650 | — at 24 V rated value | 20 A |
| | — 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-5 at 24 V rated value 35 A at 220 V rated value 36 A at 220 V rated value 37 A at 220 V rated value 37 A at 24 V rated value 36 A at 24 V rated value 37 A at 24 V rated value 36 A at 24 V rated value 37 A at 24 V rated value 36 A at 230 V rated value 36 A at 400 V rated value 36 A at 230 V rated value 36 A at 230 V rated value 36 A at 230 V rated value 37 KW at 400 V rated value 38 KW at 400 V rated value 38 KW at 400 V rated value 38 KW at 400 V rated value 39 KW at 400 V rated value 30 KW at 400 V rated value 31 KVA at 400 V rated value 32 KVA at 400 V rated value 33 KW at 400 V rated value at 800 V fracturent peak value n=20 rated value 33 KVA at 000 V fracturent peak value n=20 rated value 31 KVA at 000 V fracturent peak value n=20 rated value at 800 V fracturent peak value n=20 rated value 32 KVA at 000 V fracturent peak value n=30 rated value 33 KVA at 000 V fracturent peak value n=30 rated value 32 KVA at 000 V fracturen | — at 440 V rated value | 0.09 A |
| | — at 600 V rated value | 0.06 A |
| | with 2 current paths in series at DC-3 at DC-5 | |
| | — at 24 V rated value | 35 A |
| | — at 110 V rated value | 15 A |
| | — at 220 V rated value | 3 A |
| with 3 current paths in series at DC-3 at DC-5 - at 24 V rated value 35 A - at 224 V rated value 35 A - at 220 V rated value 06 A - at 220 V rated value 0.6 A - at 200 V rated value 0.7 5 kW - at 200 V rated value 0.7 5 kW - at 200 V rated value 0.7 5 kW - at 200 V rated value 0.7 5 kW - at 200 V rated value 0.7 5 kW - at 200 V rated value 0.7 5 kW - at 200 V rated value 0.7 5 kW - at 300 V rated value 0.1 5 kW - at 300 V rated value 0.1 5 kW - at 400 V rated value 0.1 5 kW - at 600 V rated value 0.1 5 kW - at 600 V rated value 0.2 15 kW - at 600 V rated value 0.2 0 rated value 0.1 8 kW - at 600 V rated value 0.2 0 rated value 0.2 15 kW - at 600 V rated value 0.2 0 rated value 0.2 3 kVA - up to 200 V for current peak value n=20 rated value 2.3 kVA - up to 200 V for current peak value n=20 rated value 2.3 kVA - up to 200 V for current peak value n=30 rated value 2.3 kVA - up to 200 V for current peak value n=30 rated value 2.3 kVA - up to 500 V for current peak value n=30 rated value 2.3 kVA - up to 600 V for current peak value n=30 rated value 2.3 kVA - up to 600 V for current peak value n=30 rated value 2.1 kVA - up to 600 V for current peak value n=30 rated value 2.1 kVA - up to 600 V for current peak value n=30 rated value 2.1 kVA | — at 440 V rated value | 0.27 A |
| | — at 600 V rated value | 0.16 A |
| | with 3 current paths in series at DC-3 at DC-5 | |
| | — at 24 V rated value | 35 A |
| | — at 110 V rated value | 35 A |
| | — at 220 V rated value | 10 A |
| operating power et AC-3 | — at 440 V rated value | 0.6 A |
| • at AC-3 - at 230 V rated value 7.5 kW - at 400 V rated value 15 kW - at 690 V rated value 15 kW - at 690 V rated value 15 kW - at 230 V rated value 15 kW - at 230 V rated value 15 kW - at 400 V rated value 15 kW - at 400 V rated value 15 kW - at 400 V rated value 15 kW - at 500 V rated value 15 kW - at 690 V rated value 18 kW operating power for approx. 200000 operating cycles at AC-4 18 kW • at 400 V rated value 10.3 kW operating apparent power at AC-6a 12.2 kVA • up to 500 V for current peak value n=20 rated value 23.3 kVA • up to 500 V for current peak value n=20 rated value 25 kVA operating apparent power at AC-6a 8.1 kVA • up to 500 V for current peak value n=30 rated value 14.2 kVA • up to 500 V for current peak value n=30 rated value 15.5 kVA • up to 500 v for current peak value n=30 rated value 15.5 | — at 600 V rated value | 0.6 A |
| | operating power | |
| at 400 V rated value15 kW at 500 V rated value15 kW at 600 V rated value15 kW at 230 V rated value7.5 kW at 400 V rated value15 kW at 600 V rated value6 kW at 600 V rated value6 kW at 600 V rated value6 kW at 600 V rated value18.5 kW at 600 V rated value6 kW at 600 V rated value10.3 kW at 600 V rated value21.3 kW operating apparent power at AC-6a23.3 kVA up to 230 V for current peak value n=20 rated value23.3 kVA up to 500 V for current peak value n=20 rated value25. kVA operating apparent power at AC-6a8.1 kVA up to 500 V for current peak value n=30 rated value21.5 kVA operating apparent power at AC-6a8.1 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 600 V for current peak value n=30 rated value21.5 kVA operating apparent power at AC-6a4.9 A; Use minimum cross-section acc. to AC-1 rated value operating at zero current maximum35 A; Use minimum cross-section acc. to AC-1 rated value operating frequency as witching at zero current maximum iminde to 10 s switching at zero current maximum152 A; Use minimum cross-section acc. to AC-1 rated value< | • at AC-3 | |
| at 500 V rated value15 kW at 690 V rated value18.5 kW• at AC-3e | — at 230 V rated value | 7.5 kW |
| at 690 V rated value18.5 kW• at AC-3e7.5 kW at 230 V rated value15 kW at 400 V rated value15 kW at 690 V rated value15 kW at 690 V rated value15 kW at 690 V rated value16 kW at 690 V rated value18.5 kWoperating power for approx. 20000 operating cycles18.5 kWe at 400 V rated value6 kW• at 400 V rated value10.3 kWoperating apparent power at AC-6a10.3 kW• up to 230 V for current peak value n=20 rated value21.3 kVA• up to 600 V for current peak value n=20 rated value23.3 kVA• up to 690 V for current peak value n=20 rated value25 kVAoperating apparent power at AC-6a6.1 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 value21.5 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 value21.5 kVA• up to 600 V for current peak value n=30 rated value25.6 kVA• up to 600 V for current peak value n=30 rated value25.6 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 value26.0 k.1 use minimum cross-section acc. to AC-1 rated value• up to 600 V for current peak value n=30 rated value26.0 k.1 use minimum cross-section acc. to AC-1 rated value• up to 600 V for current p | — at 400 V rated value | 15 kW |
| • at AC-3e 7.5 kW - at 230 V rated value 7.5 kW - at 400 V rated value 15 kW - at 690 V rated value 15 kW - at 690 V rated value 18.5 kW operating power for approx. 200000 operating cycles at AC-4 6 kW • at 400 V rated value 6 kW • at 400 V rated value 10.3 kW operating apparent power at AC-6a 12.2 kVA • up to 230 V for current peak value n=20 rated value 23.3 kVA • up to 500 V for current peak value n=20 rated value 23.3 kVA • up to 500 V for current peak value n=20 rated value 23.3 kVA • up to 500 V for current peak value n=20 rated value 23.3 kVA • up to 500 V for current peak value n=30 rated value 23.4 kVA • up to 500 V for current peak value n=30 rated value 14.2 kVA • up to 500 V for current peak value n=30 rated value 15.5 kVA • up to 500 V for current peak value n=30 rated value 21.5 kVA • up to 500 V for current peak value n=30 rated value 21.5 kVA • up to 600 V for current peak value n=30 rated value 21.5 kVA • up to 600 V for current peak value 21.5 kVA < | — at 500 V rated value | 15 kW |
| at 230 V rated value7.5 kW at 400 V rated value15 kW at 500 V rated value15 kW at 690 V rated value18.5 kWoperating power for approx. 20000 operating cycles at AC-46 kW• at 400 V rated value6 kW• at 400 V rated value10.3 kWoperating apparent power at AC-5a12.2 kVA• up to 230 V for current peak value n=20 rated value21.3 kVA• up to 500 V for current peak value n=20 rated value23. kVA• up to 500 V for current peak value n=20 rated value25 kVAoperating apparent power at AC-6a8.1 kVA• up to 500 V for current peak value n=30 rated value5 kVAoperating apparent power at AC-6a8.1 kVA• up to 500 V for current peak value n=30 rated value14.2 kVA• up to 690 V for current peak value n=30 rated value15. kVA• up to 690 V for current peak value n=30 rated value21.5 kVA• up to 690 V for current peak value n=30 rated value21.5 kVA• up to 690 V for current peak value n=30 rated value21.5 kVA• up to 690 V for current peak value n=30 rated value21.5 kVA• up to 690 V for current maximum499 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum499 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum186 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum186 A; Use minimum cross-section acc. to AC-1 rated value• limited | — at 690 V rated value | 18.5 kW |
| at 400 V rated value15 kW at 500 V rated value15 kW at 690 V rated value18.5 kWoperating power for approx. 20000 operating cycles at AC-48.5 kW• at 400 V rated value6 kW• at 690 V rated value6 kW• at 690 V rated value10.3 kWoperating apparent power at AC-6a12.2 kVA• up to 230 V for current peak value n=20 rated value21.3 kVA• up to 500 V for current peak value n=20 rated value23.3 kVA• up to 690 V for current peak value n=20 rated value23.3 kVA• up to 500 V for current peak value n=30 rated value8.1 kVA• up to 500 V for current peak value n=30 rated value14.2 kVA• up to 690 V for current peak value n=30 rated value14.5 kVA• up to 690 V for current peak value n=30 rated value15. kVA• up to 690 V for current peak value n=30 rated value21.5 kVA• up to 690 V for current peak value n=30 rated value21.5 kVA• up to 690 V for current peak value n=30 rated value21.5 kVA• up to 690 V for current peak value n=30 rated value20.4 Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum499 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum182 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum182 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum182 A; Use minimum cross-section acc. to AC-1 rated value <td>• at AC-3e</td> <td></td> | • at AC-3e | |
| at 500 V rated value15 kW at 690 V rated value18.5 kWoperating power for approx. 200000 operating cycles at AC-46 kW- at 400 V rated value6 kW- at 690 V rated value10.3 kWoperating apparent power at AC-6a12.2 kVA- up to 230 V for current peak value n=20 rated value21.3 kVA- up to 500 V for current peak value n=20 rated value23.3 kVA- up to 500 V for current peak value n=20 rated value23.3 kVA- up to 500 V for current peak value n=20 rated value25 kVAoperating apparent power at AC-6a8.1 kVA- up to 500 V for current peak value n=30 rated value8.1 kVA- up to 500 V for current peak value n=30 rated value8.1 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 value21.5 kVA- up to 690 V for current peak value n=30 rated value21.5 kVA- up to 690 V for current peak value n=30 rated value21.5 kVA- up to 690 V for current peak value n=30 rated value21.5 kVA- up to 690 V for current peak value n=30 rated value21.5 kVA- up to 690 V for current maximum499 A; Use minimum cross-section acc. to AC-1 rated value- limited to 1 s switching at zero current maximum366 A; Use minimum cross-section acc. to AC-1 rated value- limited to 10 s switching at zero current maximum460 A; Use minimum cross-section acc. to AC-1 rated value- limited to 60 s switching at zero current maximum152 A; Use minimum cross-section acc. to AC-1 rated value- limit | — at 230 V rated value | 7.5 kW |
| | — at 400 V rated value | 15 kW |
| operating power for approx. 20000 operating cycles at AC-46 kW• at 400 V rated value6 kW• at 690 V rated value10.3 kWoperating apparent power at AC-6a12.2 kVA• up to 230 V for current peak value n=20 rated value21.3 kVA• up to 500 V for current peak value n=20 rated value23.3 kVA• up to 500 V for current peak value n=20 rated value25 kVAoperating apparent power at AC-6a8.1 kVA• up to 230 V for current peak value n=30 rated value8.1 kVA• up to 500 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 value21.5 kVA• up to 600 V for current peak value n=30 rated value21.5 kVA• up to 600 V for current peak value n=30 rated value21.5 kVA• up to 600 V for current peak value n=30 rated value21.5 kVA• up to 600 V for current peak value n=30 rated value21.5 kVA• up to 600 V for current peak value n=30 rated value21.5 kVA• up to 40 °C499 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum395 A; Use minimum cross-section acc. to AC-1 rated value• limited to 50 s switching at zero current maximum186 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum186 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum1000 1/h• at AC-1 maximum1 000 1/h | — at 500 V rated value | 15 kW |
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| • at 400 V rated value6 kW• at 690 V rated value10.3 kWoperating apparent power at AC-6a12.2 kVA• up to 230 V for current peak value n=20 rated value21.3 kVA• up to 500 V for current peak value n=20 rated value23.3 kVA• up to 500 V for current peak value n=20 rated value23.3 kVA• up to 690 V for current peak value n=20 rated value25 kVAoperating apparent power at AC-6a8.1 kVA• up to 230 V for current peak value n=30 rated value8.1 kVA• up to 500 V for current peak value n=30 rated value14.2 kVA• up to 600 V for current peak value n=30 rated value15.5 kVAbort of current peak value n=30 rated value21.5 kVA• up to 600 V for current peak value n=30 rated value14.2 kVA• up to 600 V for current peak value n=30 rated value21.5 kVAshort-time withstand current in cold operating state up to 40 °C499 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero curr | operating power for approx. 200000 operating cycles | |
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| operating apparent power at AC-6a• up to 230 V for current peak value n=20 rated value• up to 400 V for current peak value n=20 rated value• up to 500 V for current peak value n=20 rated value• up to 690 V for current peak value n=20 rated value• up to 690 V for current peak value n=20 rated value• up to 690 V for current peak value n=20 rated value• up to 230 V for current peak value n=20 rated value• up to 690 V for current peak value n=20 rated value• up to 230 V for current peak value n=30 rated value• up to 230 V for current peak value n=30 rated value• up to 600 V for current peak value n=30 rated value• up to 600 V for current peak value n=30 rated value• up to 690 V for current peak value n=30 rated value• up to 690 V for current peak value n=30 rated value• up to 690 V for current peak value n=30 rated value• up to 690 V for current peak value n=30 rated value• up to 690 V for current maximum• limited to 1 s switching at zero current maximum• limited to 1 s switching at zero current maximum• limited to 10 s switching at zero current maximum• limited to 30 s switching at zero current maximum• limited to 60 s switching at zero current maximum• limited to 60 s switching at zero current maximum• limited to 60 s switching at zero current maximum• limited to 60 s switching at zero current maximum• limited to 60 s switching at zero current maximum• limited to 60 s switching at zero current maximum• limited to 60 s switching at zero current maximum• limited to 60 s switching at zero | at 400 V rated value | 6 kW |
| • up to 230 V for current peak value n=20 rated value12.2 kVA• up to 400 V for current peak value n=20 rated value21.3 kVA• up to 500 V for current peak value n=20 rated value23.3 kVA• up to 690 V for current peak value n=20 rated value25 kVAoperating apparent power at AC-6a8.1 kVA• up to 200 V for current peak value n=30 rated value8.1 kVA• up to 600 V for current peak value n=30 rated value14.2 kVA• up to 500 V for current peak value n=30 rated value8.1 kVA• up to 500 V for current peak value n=30 rated value15.5 kVA• up to 600 V for current peak value n=30 rated value21.5 kVA• up to 600 V for current peak value n=30 rated value21.5 kVA• up to 500 V for current peak value n=30 rated value21.5 kVA• up to 600 V for current peak value n=30 rated value21.5 kVA• up to 400 °C21.5 kVA• limited to 1 s switching at zero current maximum499 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum260 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 S switching at zero current maximum152 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 S switching at zero current maximum152 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum1000 1/h• at AC5 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h | at 690 V rated value | 10.3 kW |
| • up to 400 V for current peak value n=20 rated value21.3 kVA• up to 500 V for current peak value n=20 rated value23.3 kVA• up to 690 V for current peak value n=20 rated value25 kVAoperating apparent power at AC-6a8.1 kVA• up to 230 V for current peak value n=30 rated value8.1 kVA• up to 500 V for current peak value n=30 rated value14.2 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 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 value21.5 kVA• up to 690 V for current peak value n=30 rated value21.5 kVA• up to 40 °C11.6 kVA• limited to 1 s switching at zero current maximum499 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum260 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum186 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum152 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/hoperating frequency5 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum1 000 1/h• at AC-2 maximum750 1/h | operating apparent power at AC-6a | |
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| • up to 690 V for current peak value n=20 rated value25 kVAoperating apparent power at AC-6a8.1 kVA• up to 230 V for current peak value n=30 rated value8.1 kVA• up to 400 V for current peak value n=30 rated value14.2 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 690 V for current peak value n=30 rated value21.5 kVA• up to 690 V for current peak value n=30 rated value21.5 kVA• up to 690 V for current peak value n=30 rated value21.5 kVA• limited to 1 s switching at zero current maximum499 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum260 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum186 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum152 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum152 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum152 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum5 000 1/h• at AC5 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum1 000 1/h• at AC-2 maximum750 1/h | up to 400 V for current peak value n=20 rated value | 21.3 kVA |
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| up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value 21.5 kVA short-time withstand current in cold operating state up to 40 °C limited to 1 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum liz A; Use minimum cross-section acc. to AC-1 rated value 152 A; Use minimum cross-section acc. to AC-1 rated value ta AC 5 000 1/h operating frequency at AC-1 maximum 1 000 1/h at AC-2 maximum 250 1/h | • up to 690 V for current peak value n=20 rated value | 25 kVA |
| up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value 21.5 kVA short-time withstand current in cold operating state up to 40 °C limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching | operating apparent power at AC-6a | |
| up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value 21.5 kVA short-time withstand current in cold operating state up to 40 °C limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current<td> up to 230 V for current peak value n=30 rated value </td><td>8.1 kVA</td> | up to 230 V for current peak value n=30 rated value | 8.1 kVA |
| • up to 690 V for current peak value n=30 rated value21.5 kVAshort-time withstand current in cold operating state up to 40 °C499 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum • limited to 5 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching frequency • at AC1000 1/hoperating frequency • at AC-1 maximum • at AC-2 maximum1 000 1/h | up to 400 V for current peak value n=30 rated value | 14.2 kVA |
| short-time withstand current in cold operating state up to 40 °C499 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum • at AC-1 maximum • at AC-2 maximum1000 1/h • limited to 10 s • limited to 10 s< | up to 500 V for current peak value n=30 rated value | 15.5 kVA |
| up to 40 °C499 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum395 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum260 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum186 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum182 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum152 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC5 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h | up to 690 V for current peak value n=30 rated value | 21.5 kVA |
| limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum at AC operating frequency at AC-1 maximum at AC-2 m | | |
| limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum 186 A; Use minimum cross-section acc. to AC-1 rated value 152 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h operating frequency at AC-1 maximum 1 000 1/h at AC-2 maximum | limited to 1 s switching at zero current maximum | 499 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum 186 A; Use minimum cross-section acc. to AC-1 rated value 152 A; Use minimum cross-section acc. to AC-1 rated value 152 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h operating frequency at AC-1 maximum 1000 1/h at AC-2 maximum 750 1/h | limited to 5 s switching at zero current maximum | 395 A; Use minimum cross-section acc. to AC-1 rated value |
| • limited to 60 s switching at zero current maximum152 A; Use minimum cross-section acc. to AC-1 rated valueno-load switching frequency5 000 1/h• at AC5 000 1/hoperating frequency1 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h | limited to 10 s switching at zero current maximum | 260 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 | limited to 30 s switching at zero current maximum | 186 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 | limited to 60 s switching at zero current maximum | 152 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 |
| | at AC-3 maximum | 750 1/h |

| • at AC-3e maximum | 750 1/h |
|--|--|
| • at AC-4 maximum | 250 1/h |
| Control circuit/ Control | 250 1/11 |
| | AC |
| type of voltage of the control supply voltage control supply voltage at AC | AC |
| at 50 Hz rated value | 230 V |
| | 230 V |
| at 60 Hz rated value operating range factor control supply voltage rated | 230 V |
| 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 | |
| | 1 |
| instantaneous contact number of NO contacts for auxiliary contacts | |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact | 1 |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum | 1 |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 | 1 10 A |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value | 1 10 A 10 A |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value | 1 10 A 10 A 3 A |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value | 1 10 A 10 A 3 A 2 A |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value | 1 10 A 10 A 3 A 2 A |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 | 1 10 A 10 A 3 A 2 A 1 A |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 40 V rated value • at 60 V rated value • at 220 V rated value • at 600 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 40 V rated value • at 40 V rated value • at 40 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 1 A 0.15 A |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 10 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 48 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 600 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 410 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 6 A 3 A 2 A 1 A 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 1 A |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 125 V rated value • at 600 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 6 A 10 A 1 |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 6 A 10 A 2 A 1 A 10 A 0.15 A 10 A 0.15 A |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 10 V rated value • at 110 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 24 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 6 A 6 A 6 A 1 A 1 A 10 A 0 A 2 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 10 V rated value • at 125 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 260 V rated value • at 20 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 600 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 6 A 6 A 6 A 1 A 1 A 10 A 0 A 2 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 |
| instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value • at 600 V rated value • at 600 V rated value • at 110 V rated value • at 125 V rated value • at 100 V rated value • at 200 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 6 A 6 A 6 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 |

| at 600 V rated value | 27 A | | |
|--|--|--|--|
| yielded mechanical performance [hp] | | | |
| for single-phase AC motor | | | |
| — at 110/120 V rated value | 2 hp | | |
| — at 230 V rated value | 5 hp | | |
| • for 3-phase AC motor | | | |
| — at 200/208 V rated value | 10 hp | | |
| — at 220/230 V rated value | 10 hp | | |
| — at 460/480 V rated value | 20 hp | | |
| — at 575/600 V rated value | 25 hp | | |
| contact rating of auxiliary contacts according to UL | A600 / P600 | | |
| Short-circuit protection | | | |
| design of the fuse link | | | |
| for short-circuit protection of the main circuit | | | |
| - with type of coordination 1 required | gG: 125A (690V,100kA), aM: 50A (690V,100kA), BS88: 125A (415V,80kA) | | |
| — with type of assignment 2 required | gG: 50A (690V,100kA), aM: 25A (690V, 100kA), BS88: 50A (415V, 80kA) | | |
| for short-circuit protection of the auxiliary switch required | gG: 10 A (500 V, 1 kA) | | |
| Installation/ mounting/ dimensions | | | |
| mounting position | +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface | | |
| fastening method | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 | | |
| side-by-side mounting | Yes | | |
| height | 102 mm | | |
| width | 45 mm | | |
| depth | 97 mm | | |
| required spacing | | | |
| with side-by-side mounting | | | |
| — forwards | 10 mm | | |
| — upwards | 10 mm | | |
| — downwards | 10 mm | | |
| — at the side | 0 mm | | |
| for grounded parts | | | |
| — forwards | 10 mm | | |
| — upwards | 10 mm | | |
| — at the side | 6 mm | | |
| — downwards | 10 mm | | |
| • for live parts | | | |
| — forwards | 10 mm | | |
| — upwards | 10 mm | | |
| — downwards | 10 mm | | |
| - at the side | 6 mm | | |
| Connections/ Terminals | | | |
| type of electrical connection for main current circuit | spring-loaded terminals | | |
| | | | |
| for auxiliary and control circuit at contactor for auxiliary contacts | spring-loaded terminals Spring-type terminals | | |
| of magnet coil | Spring-type terminals | | |
| type of connectable conductor cross-sections | | | |
| for main contacts | | | |
| — solid | 2x (1 10 mm²) | | |
| — solid or stranded | 2x (1 10 mm ²) | | |
| — finely stranded with core end processing | 2x (1 6 mm ²) | | |
| finely stranded without core end processing | 2x (1 6 mm ²) | | |
| at AWG cables for main contacts | 2x (18 8) | | |
| connectable conductor cross-section for main | | | |
| contacts | | | |
| • solid | 1 10 mm ² | | |

| stranded | | | 1 10 mm ² | | |
|--------------------------------------|--|------------|-----------------------------------|-------------------------------|--|
| - | with core end processing | | 1 6 mm ² | | |
| | without core end processing | | 1 6 mm² | | |
| contacts | ctor cross-section for auxilia | ry | | | |
| solid or strand | | | 0.5 2.5 mm² | | |
| - | • finely stranded with core end processing | | 0.5 1.5 mm² | | |
| | finely stranded without core end processing | | 0.5 2.5 mm² | | |
| | e conductor cross-sections | | | | |
| for auxiliary co | | | 0 | | |
| — solid or st | | | 2x (0.5 2.5 mm ²) | | |
| | nded with core end processing | ina | $2x (0.5 \dots 1.5 \text{ mm}^2)$ | | |
| | nded without core end processi s for auxiliary contacts | ing | 2x (0.5 2.5 mm²) 2x (20 14) | | |
| | ded connectable conductor of | 21066 | ZX (20 14) | | |
| section | | 1055 | | | |
| for main contain | cts | | 18 8 | | |
| for auxiliary co | ntacts | | 20 14 | | |
| Safety related data | | | | | |
| product function | | | | | |
| • | according to IEC 60947-4-1 | | Yes | | |
| | demand rate according to SN 3 | 1920 | 450 000 | | |
| proportion of dange | | | | | |
| with low dema | nd rate according to SN 31920 | | 40 % | | |
| with high dema | and rate according to SN 31920 |) | 73 % | | |
| failure rate [FIT] with 31920 | low demand rate according to | SN | 100 FIT | | |
| T1 value for proof tes IEC 61508 | st interval or service life accordi | ing to | 20 у | | |
| protection class IP 60529 | on the front according to IEC | ; | IP20 | | |
| touch protection or | the front according to IEC 6 | 0529 | finger-safe, for vertical cont | tact from the front | |
| suitability for use | | | | | |
| safety-related | - | | Yes | | |
| Certificates/ approva | ls | | | | |
| General Product A | pproval | | | | |
| () E | | onfirmatic | | <u>KC</u> | EAC |
| EMC | Functional Safety/Safety of Decl Machinery | aration o | of Conformity | Test Certificates | |
| A | Type Examination Certificate | CE | | Special Test Certific- ate | <u>Type Test Certific-</u> ates/Test Report |
| RCM | | EG-Konf. | | | |
| RCM | | | | | |
| Marine / Shipping | B U RE A U VERITAS | | Lloyd's Register us | PRS | RINA |
| Marine / Shipping | EVERITAS | EG-Konf. | Lloyd's Register uis | PRS | RINA |

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Confirmation

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=3RT2027-2AL20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2027-2AL20

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2027-2AL20

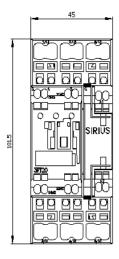
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

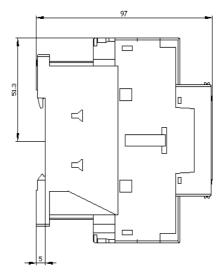
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2027-2AL20&lang=en

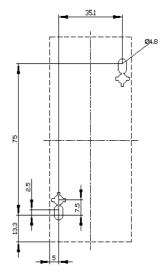
Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT2027-2AL20/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2027-2AL20&objecttype=14&gridview=view1







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