SIEMENS

Data sheet 3RT1076-6AM36

SIRIUS





power contactor, AC-3e/AC-3 500 A, 250 kW / 400 V AC (50-60 Hz) / DC Uc: 200-220 V 3-pole, auxiliary contacts 2 NO + 2 NC drive: conventional main circuit: busbar control and auxiliary circuit: screw terminal



| product type designation General technical data size of contactor product extension • function module for communication • auxiliary switch • auxiliary switch at AC in hot operating state per pole • of main circuit with degree of pollution 3 rated value • of auxiliary circuit rated value • at AC • at DC • ot ontactor with sine pulse • at AC • at DC • ot ontactor with added electronically optimized auxiliary switch block typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added electronically optimized auxiliar | | |
|--|---|----------------------------|
| Size of contactor product extension • function module for communication • auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state per pole • at AC in hot operating state per pole • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit rated value • at AC • at DC • at DC • at DC shock resistance with sine pulse • at AC • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • | product designation | Power contactor |
| size of contactor product extension • function module for communication • function module for communication • auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state per pole • without load current share typical • at Modulation of power loss depending on pole insulation voltage • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of main circuit value • of auxiliary circuit rated value • of auxiliary sortical secording to EN 60947-1 • shock resistance at rectangular impulse • at AC • at DC • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typi | product type designation | 3RT1 |
| product extension • function module for communication • auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole • without load current share typical (type of calculation of power loss depending on pole insulation voltage • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of main circuit rated value • of auxiliary switch block typical • at AC • at DC shock resistance at rectangular impulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC 3,4g / 5 ms, 6,5g / 10 ms • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical | General technical data | |
| • function module for communication • auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state 165 W • without load current share typical 10 W type of calculation of power loss depending on pole 10 w | size of contactor | S12 |
| auxiliary switch power loss [W] for rated value of the current at AC in hot operating state at AC in hot operating state per pole at AC in hot operating state per pole without load current share typical 10 W type of calculation of power loss depending on pole insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit rated value of with voltage for protective separation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse at AC at C at AC at C at AC at | product extension | |
| power loss [W] for rated value of the current at AC in hot operating state at AC in hot operating state pole without load current share typical type of calculation of power loss depending on pole insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value surge voltage resistance of main circuit rated value of auxiliary circuit rated value of waximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse of at AC of auxiliary circuit rated value of the contactor with sine pulse of the contactor vith added electronically optimized auxiliary switch block typical of the contactor with added electronically optimized of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added electronically optimized of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added optimized auxiliary switch block typical of the contactor with added optimized auxiliary switch block typical of the contactor with added optimized auxiliary switch block typical of the contactor with added optimized auxiliary switch b | function module for communication | No |
| at AC in hot operating state at AC in hot operating state per pole without load current share typical type of calculation of power loss depending on pole insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit rated value of main circuit rated value of auxiliary circuit rated value 8 kV of auxiliary circuit rated value 6 kV maximum permissible voltage for protective separation between coll and main contacts according to EN 60947-1 shock resistance at rectangular impulse at AC at AC at AC at AC at AC shock resistance with sine pulse at AC broad at AC broad at AC broad at AC at | auxiliary switch | Yes |
| at AC in hot operating state per pole without load current share typical type of calculation of power loss depending on pole insulation voltage of main circuit with degree of pollution 3 rated value of auxillary circuit with degree of pollution 3 rated value of auxillary circuit with degree of pollution 3 rated value of auxillary circuit trated value of auxillary circuit rated value of auxillary circuit rated value of auxillary circuit rated value if kV maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse of the Contactor with sine pulse of the Contactor typical of the contactor with added electronically optimized auxillary switch block typical of the contactor with added auxillary switch block typical reference code according to EC 81346-2 Substance Prohibitance (Date) Weight Ambient conditions | power loss [W] for rated value of the current | |
| without load current share typical type of calculation of power loss depending on pole insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit rated value of at AC of the contactor with added electronically optimized of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical | at AC in hot operating state | 165 W |
| type of calculation of power loss depending on pole insulation voltage • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of main circuit rated value • of auxiliary circuit rated value maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC • at DC • at DC shock resistance with sine pulse • at AC • at DC 13,4g / 5 ms, 4,2g / 10 ms shock resistance with sine pulse • at AC • at DC 13,4g / 5 ms, 6,5g / 10 ms mechanical service life (operating cycles) • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical | at AC in hot operating state per pole | 55 W |
| insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value surge voltage resistance of main circuit rated value of auxiliary contacts according to EN 60947-1 shock resistance at rectangular impulse of the Command of the contactor with sine pulse of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical before code according to IEC 81346-2 Q Substance Prohibitance (Date) SHC substance name Lead - 7439-92-1 Weight Ambient conditions | without load current share typical | 10 W |
| of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value surge voltage resistance of main circuit rated value of auxiliary circuit rated value of kV ordinand main contacts according to EN 60947-1 shock resistance at rectangular impulse ordinand auxiliary switch sine pulse ordinand auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical | type of calculation of power loss depending on pole | quadratic |
| of auxiliary circuit with degree of pollution 3 rated value surge voltage resistance of main circuit rated value of auxiliary circuit rated value of kV maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse ot AC ot DC ot B,5g / 5 ms, 4,2g / 10 ms shock resistance with sine pulse ot AC ot DC shock resistance with sine pulse ot AC ot DC shock resistance with sine pulse ot AC ot DC shock resistance with sine pulse ot AC ot DC shock resistance with sine pulse ot AC ot DC shock resistance with sine pulse ot AC ot DC shock resistance with sine pulse ot AC ot DC shock resistance with sine pulse shock resistance wi | insulation voltage | |
| surge voltage resistance of main circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value of kV maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse ot AC ot | of main circuit with degree of pollution 3 rated value | 1 000 V |
| of main circuit rated value of auxiliary circuit rated value maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse ot AC | of auxiliary circuit with degree of pollution 3 rated value | 500 V |
| of auxiliary circuit rated value maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse o at AC o at DC shock resistance with sine pulse o at AC o | surge voltage resistance | |
| maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC 13,4g / 5 ms, 4,2g / 10 ms **The shock resistance with sine pulse • at AC • at DC 13,4g / 5 ms, 6,5g / 10 ms mechanical service life (operating cycles) • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical | of main circuit rated value | 8 kV |
| coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC 13,4g / 5 ms, 4,2g / 10 ms **The shock resistance with sine pulse • at AC • at DC 13,4g / 5 ms, 6,5g / 10 ms mechanical service life (operating cycles) • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical | of auxiliary circuit rated value | 6 kV |
| at AC at DC at DC at AC at DC at AC at DC at DC at AC | | 690 V |
| at DC shock resistance with sine pulse at AC at DC 13,4g / 5 ms, 6,5g / 10 ms at DC 13,4g / 5 ms, 6,5g / 10 ms mechanical service life (operating cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical to 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Weight Ambient conditions | shock resistance at rectangular impulse | |
| shock resistance with sine pulse at AC at DC 13,4g / 5 ms, 6,5g / 10 ms mechanical service life (operating cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical to 000 000 reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Weight Ambient conditions | • at AC | 8,5g / 5 ms, 4,2g / 10 ms |
| at AC at DC 13,4g / 5 ms, 6,5g / 10 ms mechanical service life (operating cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Weight Ambient conditions | • at DC | 8,5g / 5 ms, 4,2g / 10 ms |
| at DC | shock resistance with sine pulse | |
| mechanical service life (operating cycles) • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Weight Ambient conditions | • at AC | 13,4g / 5 ms, 6,5g / 10 ms |
| of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Weight Ambient conditions | • at DC | 13,4g / 5 ms, 6,5g / 10 ms |
| of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Weight 10.275 kg Ambient conditions | mechanical service life (operating cycles) | |
| auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Weight 10.275 kg Ambient conditions | of contactor typical | 10 000 000 |
| reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Weight 10.275 kg Ambient conditions | | 5 000 000 |
| Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Weight 10.275 kg Ambient conditions | of the contactor with added auxiliary switch block typical | 10 000 000 |
| SVHC substance name Lead - 7439-92-1 Weight 10.275 kg Ambient conditions | reference code according to IEC 81346-2 | Q |
| Weight 10.275 kg Ambient conditions | Substance Prohibitance (Date) | |
| Ambient conditions | SVHC substance name | Lead - 7439-92-1 |
| | Weight | 10.275 kg |
| installation altitude at height above sea level maximum 2 000 m | 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 % |
| Main circuit | |
| number of poles for main current circuit | 3 |
| number of NO contacts for main contacts | 3 |
| operating voltage | |
| at AC-3 rated value maximum | 1 000 V |
| at AC-3e rated value maximum | 1 000 V |
| operational current | |
| at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-1 | 610 A |
| — up to 690 V at ambient temperature 40 °C rated value | 610 A |
| — up to 690 V at ambient temperature 60 °C rated value | 550 A |
| — up to 1000 V at ambient temperature 40 °C rated value | 200 A |
| up to 1000 V at ambient temperature 60 °C rated value at AC-3 | 200 A |
| | 500 A |
| — at 400 V rated value | 500 A |
| — at 500 V rated value | 500 A |
| — at 690 V rated value | 450 A |
| — at 1000 V rated value | 180 A |
| • at AC-3e | 500 A |
| — at 400 V rated value — at 500 V rated value | 500 A 500 A |
| — at 690 V rated value | 450 A |
| — at 1000 V rated value | 180 A |
| at AC-4 at 400 V rated value | 430 A |
| • at AC-5a up to 690 V rated value | 536 A |
| • at AC-5b up to 400 V rated value | 415 A |
| • at AC-6a | |
| — up to 230 V for current peak value n=20 rated value | 414 A |
| — up to 400 V for current peak value n=20 rated value | 414 A |
| — up to 500 V for current peak value n=20 rated value | 414 A |
| — up to 690 V for current peak value in=20 rated value — up to 690 V for current peak value n=20 rated value | 414 A |
| up to 1000 V for current peak value n=20 rated value value | 180 A |
| • at AC-6a | |
| — up to 230 V for current peak value n=30 rated value | 276 A |
| — up to 400 V for current peak value n=30 rated value | 276 A |
| — up to 500 V for current peak value n=30 rated value | 276 A |
| — up to 690 V for current peak value n=30 rated value | 276 A |
| — up to 1000 V for current peak value n=30 rated value | 180 A |
| minimum cross-section in main circuit at maximum AC-1 rated value | 370 mm² |
| operational current for approx. 200000 operating cycles at AC-4 | |
| • at 400 V rated value | 175 A |
| at 690 V rated value | 150 A |
| operational current • at 1 current path at DC-1 | |
| — at 24 V rated value | 400 A |
| — at 60 V rated value | 330 A |
| — at 110 V rated value | 33 A |
| — at 220 V rated value | 3.8 A |
| — at 440 V rated value | 0.9 A |
| | |

| 1000 1/ 1 1 | 0.0.4 |
|---|-----------------|
| — at 600 V rated value | 0.6 A |
| with 2 current paths in series at DC-1 | 400 A |
| — at 24 V rated value | 400 A |
| — at 60 V rated value | 400 A |
| — at 110 V rated value | 400 A |
| — at 220 V rated value | 400 A |
| — at 440 V rated value | 4 A |
| — at 600 V rated value | 2 A |
| with 3 current paths in series at DC-1 | |
| — at 24 V rated value | 400 A |
| — at 60 V rated value | 400 A |
| — at 110 V rated value | 400 A |
| — at 220 V rated value | 400 A |
| — at 440 V rated value | 11 A |
| — at 600 V rated value | 5.2 A |
| at 1 current path at DC-3 at DC-5 | |
| — at 24 V rated value | 400 A |
| — at 60 V rated value | 11 A |
| — at 220 V rated value | 0.6 A |
| — at 440 V rated value | 0.18 A |
| — at 600 V rated value | 0.125 A |
| with 2 current paths in series at DC-3 at DC-5 | |
| — at 24 V rated value | 400 A |
| — at 60 V rated value | 400 A |
| — at 110 V rated value | 400 A |
| — at 220 V rated value | 2.5 A |
| — at 440 V rated value | 0.65 A |
| — at 600 V rated value | 0.37 A |
| with 3 current paths in series at DC-3 at DC-5 | |
| — at 24 V rated value | 400 A |
| — at 60 V rated value | 400 A |
| — at 110 V rated value | 400 A |
| — at 220 V rated value | 400 A |
| — at 440 V rated value | 1.4 A |
| — at 600 V rated value | 0.75 A |
| operating power | |
| • at AC-3 | |
| — at 230 V rated value | 160 kW |
| — at 400 V rated value | 250 kW |
| — at 500 V rated value | 315 kW |
| — at 690 V rated value | 400 kW |
| — at 1000 V rated value | 250 kW |
| • at AC-3e | |
| — at 230 V rated value | 160 kW |
| — at 400 V rated value | 250 kW |
| — at 500 V rated value | 315 kW |
| — at 690 V rated value | 400 kW |
| — at 1000 V rated value | 250 kW |
| operating power for approx. 200000 operating cycles at AC- | |
| | OS KIM |
| at 400 V rated valueat 690 V rated value | 98 kW 148 kW |
| | 140 KVV |
| operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value | 160 000 kVA |
| up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value | 280 000 VA |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value | 350 000 VA |
| up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value | 490 000 VA |
| up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value | 310 000 VA |
| operating apparent power at AC-6a | 310 000 VA |
| up to 230 V for current peak value n=30 rated value | 110 000 VA |
| up to 400 V for current peak value n=30 rated value | 190 000 VA |
| ■ up to 400 v for current peak value n=30 rated value | 190 000 VA |

| * up to 500 V for current peak value n=30 rated value * up to 1000 V for current peak value n=30 rated value * about-time withstand current in cold operating state up to 40 °C * il inited to 1 is avidehing at zero current maximum * il inited to 1 is avidehing at zero current maximum * il inited to 5 is avidehing at zero current maximum * il inited to 5 is avidehing at zero current maximum * il inited to 50 is avidehing at zero current maximum * il inited to 50 is avidehing at zero current maximum * il inited to 30 is avidehing at zero current maximum * il inited to 30 is avidehing at zero current maximum * il inited to 30 is avidehing at zero current maximum * il inited to 30 is avidehing at zero current maximum * il inited to 30 is avidehing at zero current maximum * il inited to 30 is avidehing at zero current maximum * il inited to 30 is avidehing at zero current maximum * il inited to 30 is avidehing at zero current maximum * il inited to 30 is avidehing at zero current maximum * il inited to 30 is avidehing at zero * at AC = maximum * | | |
|--|---|---|
| * up to 1000 V for current peak value in-30 meter value up to 40 °C value withstand current in cold operating state up to 40 °C value va | • up to 500 V for current peak value n=30 rated value | 230 000 VA |
| short-line withstand current in cold operating state up to 40°C | up to 690 V for current peak value n=30 rated value | 330 000 VA |
| File | • up to 1000 V for current peak value n=30 rated value | 310 000 VA |
| milled to 5 s switching at zero current maximum 7.484 k, Use minimum cross-section acc. to AC-1 rated value milled to 50 s switching at zero current maximum 3.785 k, Use minimum cross-section acc. to AC-1 rated value 2.887 k, Use minimum cross-section acc. to AC-1 rated value 2.897 k, Use minimum cross-section acc. to AC-1 rated value 2.897 k, Use minimum cross-section acc. to AC-1 rated value 2.897 k, Use minimum cross-section acc. to AC-1 rated value 2.897 k, Use minimum cross-section acc. to AC-1 rated value 2.897 k, Use minimum cross-section acc. to AC-1 rated value 2.897 k, Use minimum cross-section acc. to AC-1 rated value 2.897 k, Use minimum cross-section acc. to AC-1 rated value 2.897 k, Use minimum cross-section acc. to AC-1 rated value 2.897 k, Use minimum cross-section acc. to AC-1 rated value 2.897 k, Use minimum | | |
| miled to 10 s evidining at zero current maximum 5.978 K. Use minimum cross-section acc. to AC-1 rated value 1 mined to 80 s evinthing at zero current maximum 2.887 K. Use minimum cross-section acc. to AC-1 rated value 2.887 K. Use minimum cross-section acc. to AC-1 rated value 2.887 K. Use minimum cross-section acc. to AC-1 rated value 2.887 K. Use minimum cross-section acc. to AC-1 rated value 2.887 K. Use minimum cross-section acc. to AC-1 rated value 2.887 K. Use minimum cross-section acc. to AC-1 rated value 2.887 K. Use minimum cross-section acc. to AC-1 rated value 2.887 K. Use minimum cross-section acc. to AC-1 rated value 2.887 K. Use minimum cross-section acc. to AC-1 rated value 2.887 K. Use minimum cross-section acc. to AC-1 rated value 2.887 K. Use minimum cross-section acc. to AC-1 rated value 2.887 K. Use minimum cross-section acc. to AC-1 rated value 2.887 K. Use minimum cross-section acc. to AC-1 rated value 2.887 K. Use minimum cross-section acc. to AC-1 rated value 2.887 K. Use minimum cross-section acc. to AC-1 rated value 2.887 K. Use minimum cross-section acc. to AC-1 rated value 2.887 K. Use minimum cross-section acc. to AC-1 rated value 2.887 K. Use minimum cross-section acc. to AC-1 rated value 2.887 K. Use minimum cross-section acc. to AC-1 rated value 2.897 K. Use minimum cross-section acc. to AC-1 rated value 2.897 K. Use minimum cross-section acc. to AC-1 rated value 2.897 K. Use minimum cross-section acc. to AC-1 rated value 2.897 K. Use minimum cross-section acc. to AC-1 rated value 2.897 K. Use minimum cross-section acc. to AC-1 rated value 2.897 K. Use minimum cross-section acc. to AC-1 rated value 2.897 K. Use minimum cross-section acc. to AC-1 rated value 2.897 K. Use minimum cross-section acc. to AC-1 rated value 2.897 K. Use minimum cross-section acc. to AC-1 rated value 2.897 K. Use minimum cross-section acc. to AC-1 rated value 2.897 K. Use minimum cross-section acc. to AC-1 rated value 2.897 K. Use minimum | limited to 1 s switching at zero current maximum | 7 484 A; Use minimum cross-section acc. to AC-1 rated value |
| • Imited to 80 s evictining at zero current maximum 2 887 A. Use minimum cross-section acc. to AC-1 rated value 2 887 A. Use minimum cross-section acc. to AC-1 rated value 2 887 A. Use minimum cross-section acc. to AC-1 rated value 2 887 A. Use minimum cross-section acc. to AC-1 rated value 2 900 th 2 90 th | limited to 5 s switching at zero current maximum | 7 484 A; Use minimum cross-section acc. to AC-1 rated value |
| • miled to 80 s switching requency | limited to 10 s switching at zero current maximum | 5 978 A; Use minimum cross-section acc. to AC-1 rated value |
| | limited to 30 s switching at zero current maximum | 3 765 A; Use minimum cross-section acc. to AC-1 rated value |
| no-load switching frequency | limited to 60 s switching at zero current maximum | 2 887 A; Use minimum cross-section acc. to AC-1 rated value |
| | | |
| | | 2 000 1/h |
| operating frequency | | 2 000 1/h |
| eat AC-1 maximum | operating frequency | |
| ■ at AC-2 maximum ■ at AC-4 maximum ■ at Other craded value ■ at 60 Hz rated value ■ at 60 Hz ■ at maximum rated control supply voltage at AC ■ at 60 Hz ■ at 60 Hz ■ at minimum rated control supply voltage at AC ■ at 60 Hz ■ at minimum rated control supply voltage at AC ■ at 60 Hz ■ at minimum rated control supply voltage at AC ■ at 60 Hz ■ at maximum rated control supply voltage at AC ■ at 60 Hz ■ at maximum rated control supply voltage at AC ■ at 60 Hz ■ at maximum rated control supply voltage at AC ■ at 60 Hz ■ | | 500 1/h |
| | | |
| at AC-3 maximum at AC-4 maximum by a of AC-4 maximum by at AC-4 maxim | | |
| • at AC-4 maximum Control circuit/ Gentrol Vipe of voltage of the control supply voltage AC/DC control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value • at minimum rated control supply voltage at AC • at 60 Hz rated value • at 60 Hz rated value • at minimum rated control supply voltage at AC • at 60 Hz rated value • at 60 Hz rated value • at minimum rated control supply voltage at AC • at 60 Hz rated value • at 60 Hz rated v | | |
| type of voltage of the control supply voltage of to 150 Hz rated value of to 150 Hz rated value operating range factor control supply voltage rated value of magnet coil at DC initial value olinitial value | | |
| type of voltage of the control supply voltage at AC | | |
| Control supply voltage at AC | | AC/DC |
| • at 50 Hz rated value 200 220 V 200 | | NOIDO |
| ontrol supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value initial value operating range factor control supply voltage rated value of magnet coil at AC oat 50 Hz at 60 Hz at 60 Hz at 80 Hz | | 200 220 V |
| control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz ot 60 Hz at 60 Hz at maximum rated control supply voltage at AC at 50 Hz at 60 Hz but 60 Hz column rated control supply voltage at AC at 50 Hz at 60 Hz at 60 Hz at maximum rated control supply voltage at AC at 50 Hz at 60 Hz at 60 Hz at maximum rated control supply voltage at AC at 50 Hz at 60 Hz at 60 Hz at maximum rated control supply voltage at AC at 50 Hz at 60 Hz at maximum rated control supply voltage at DC at maximum rated control supply voltage at AC at 50 Hz at 60 Hz at 60 Hz at 60 Hz op column rated control supply voltage at AC at 50 Hz at 60 Hz op go VA solumn rated control supply voltage at AC at 50 Hz at 60 Hz op column rated control supply voltage at AC at 50 Hz at 60 Hz op column rated control supply voltage at AC at 50 Hz at 60 Hz op column rated control supply voltage at AC at 50 Hz at 60 Hz op column rated control supply voltage at AC at 50 Hz at 60 Hz op column rated control supply voltage at AC at 50 Hz at 60 Hz op column rated control supply voltage at AC at 50 Hz at 60 Hz op column rated control supply voltage at AC at 50 Hz at 60 Hz op column rated control supply voltage at AC at 50 Hz at 60 Hz op column rated control supply voltage at AC at 50 Hz at 60 Hz op column rated control supply column rated control supply colu | | |
| operating range factor control supply voltage rated value of magnet coil at DC initial value initial value initial value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 50 Hz at 60 Hz design of the surge suppressor apparent pick-up power at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz — at 60 Hz — at 60 Hz — at 50 Hz apparent pick-up power of magnet coil at AC at 50 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 50 Hz at 60 Hz at 60 Hz at 60 Hz at 60 Hz at maximum rated control supply voltage at DC at minimum rated control supply voltage at DC at minimum rated control supply voltage at DC at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC at minimum rated control supply voltage at DC yo VA at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz yo VA at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz yo VA inductive power factor with the holding power of the coil at 50 Hz at 60 Hz yo VA closing power of magnet coil at DC yo UA | | |
| magnet coil at DC | | 200 220 V |
| e full-scale value operating range factor control supply voltage rated value of magnet coil at AC ● at 50 HZ ● at 60 Hz obesign of the surge suppressor apparent pick-up power ● at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz — at 50 Hz ■ at 60 Hz ■ at maximum rated control supply voltage at DC ■ at 60 Hz ■ at maximum rated control supply voltage at DC ■ at maximum rated control supply voltage at DC ■ at maximum rated control supply voltage at DC ■ at maximum rated control supply voltage at DC ■ at maximum rated control supply voltage at DC ■ at maximum rated control supply voltage at DC ■ at maximum rated control supply voltage at DC ■ at maximum rated control supply voltage at DC ■ at maximum rated control supply voltage at DC ■ at maximum rated control supply voltage at DC ■ at maximum rated control supply voltage at DC ■ at maximum rated control supply voltage at DC ■ at 50 Hz — at 50 Hz — at 50 Hz — at 60 Hz — at 60 Hz 9 2 VA 3 2 VA 4 2 VA | magnet coil at DC | |
| operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz at 60 Hz beside of the surge suppressor apparent pick-up power at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz at maximum rated control supply voltage at AC — at 60 Hz apparent pick-up power of magnet coil at AC — at 50 Hz at 60 Hz at 60 Hz as 30 VA apparent pick-up power of magnet coil at AC at 60 Hz apparent holding power at minimum rated control supply voltage at DC at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz 9.2 VA inductive power factor with the holding power of the coil at 50 Hz — at 60 Hz 9.2 VA inductive power factor with the holding power of the coil at 50 Hz — at 60 Hz 9.2 VA jet 60 Hz 0.9 closing power of magnet coil at DC 9.20 W | | |
| magnet coil af AC • at 50 Hz • at 60 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz — at 60 Hz — at 60 Hz — at 50 Hz • at maximum rated control supply voltage at AC • at 50 Hz • at 60 Hz • at minimum rated control supply voltage at DC • at 50 Hz • at minimum rated control supply voltage at DC • at 50 Hz • at 60 Hz • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at mostimum rated control supply voltage at DC • at mostimum rated control supply voltage at DC • at 60 Hz | | 1.1 |
| e at 50 Hz e at 60 Hz design of the surge suppressor apparent pick-up power e at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz — at 60 Hz — at 60 Hz e at maximum rated control supply voltage at AC — at 50 Hz apparent pick-up power of magnet coil at AC e at 50 Hz a to 0 Hz apparent pick-up power of magnet coil at AC e at 60 Hz a to 0 Hz e at 60 Hz a to 0 Hz a to 0 Hz e at 60 Hz a to 0 Hz e at 60 Hz apparent holding power e at minimum rated control supply voltage at DC at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz at maximum rated control supply voltage at AC — at 50 Hz at maximum rated control supply voltage at AC — at 50 Hz at maximum rated control supply voltage at AC — at 50 Hz at 60 Hz e at 60 Hz e at 60 Hz e 150 Hz e 160 Hz e 150 Hz e 160 Hz e 16 | | |
| • at 60 Hz design of the surge suppressor apparent pick-up power • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz — at 50 Hz — at 50 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz at 60 Hz at 50 Hz • at 60 Hz at maximum rated control supply voltage at DC at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz at maximum rated control supply voltage at AC — at 50 Hz at maximum rated control supply voltage at AC — at 50 Hz at maximum rated control supply voltage at AC — at 50 Hz at 60 Hz 9.2 VA inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.9 closing power of magnet coil at DC 920 W | | 0.8 1.1 |
| design of the surge suppressor apparent pick-up power at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz — at 50 Hz san waximum rated control supply voltage at AC — at 50 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz at maximum rated control supply voltage at DC at minimum rated control supply voltage at DC at minimum rated control supply voltage at DC at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz 9.2 VA inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.9 closing power of magnet coil at DC 920 W | | |
| apparent pick-up power • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz • at maximum rated control supply voltage at AC — at 60 Hz a to Hz — at 50 Hz — at 50 Hz — at 50 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz 830 VA apparent pick-up power factor with closing power of the coil • at 50 Hz • at 60 Hz • at 60 Hz apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz • at maximum rated control supply voltage at AC — at 50 Hz • at maximum rated control supply voltage at AC — at 50 Hz • at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz 9.2 VA inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz 0.9 • at 60 Hz | | |
| at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz at maximum rated control supply voltage at AC — at 60 Hz — at 50 Hz — at 50 Hz apparent pick-up power of magnet coil at AC • at 60 Hz at 60 Hz 830 VA at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at minimum rated control supply voltage at AC — at 50 Hz • at maximum rated control supply voltage at AC — at 50 Hz • at maximum rated control supply voltage at AC — at 50 Hz • at maximum rated control supply voltage at AC — at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz | | |
| - at 50 Hz | | |
| - at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz - at 50 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at AC - at 50 Hz - at 60 Hz • at maximum rated control supply voltage at AC - at 50 Hz - at 60 Hz • at maximum rated control supply voltage at AC - at 50 Hz - at 60 Hz • at maximum rated control supply voltage at AC - at 50 Hz - at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 50 Hz • at 60 Hz 0.9 closing power of magnet coil at DC | , | 700 VA |
| | | |
| - at 50 Hz - at 50 Hz apparent pick-up power of magnet coil at AC | | 100 VI |
| apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz at 50 Hz output at 50 Hz at 50 Hz output at 50 Hz output at 50 Hz output at 50 Hz output at 50 Hz output at 50 Hz output at 50 Hz output at 60 Hz apparent holding power at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC at minimum rated control supply voltage at DC at minimum rated control supply voltage at DC at 50 Hz output at 50 Hz output at 50 Hz output at 50 Hz output at 60 | | 830 VA |
| apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at DC - at 50 Hz - at 60 Hz • at maximum rated control supply voltage at AC - at 50 Hz - at 60 Hz - at 50 Hz - at 60 Hz - at 50 Hz - at 60 Hz - at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz output 0.9 closing power of magnet coil at DC 830 VA 845 VA 9.2 VA 9. | | |
| at 50 Hz at 60 Hz at 50 Hz at 50 Hz at 50 Hz at 50 Hz at 60 Hz at 50 Hz at 60 Hz apparent holding power at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC at minimum rated control supply voltage at DC at minimum rated control supply voltage at DC at minimum rated control supply voltage at AC at 50 Hz at 60 Hz at maximum rated control supply voltage at AC at 50 Hz at maximum rated control supply voltage at AC at 50 Hz at maximum rated control supply voltage at AC at 50 Hz at 60 Hz Hz | | 000 1/1 |
| at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC apparent holding power at minimum rated control supply voltage at DC apparent holding power at minimum rated control supply voltage at AC - at 50 Hz - at 60 Hz at maximum rated control supply voltage at AC - at 50 Hz - at 60 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.9 closing power of magnet coil at DC 920 W | | 830 VA |
| inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz • at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz and 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz 0.9 closing power of magnet coil at DC 920 W | | |
| apparent holding power at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC at minimum rated control supply voltage at DC at minimum rated control supply voltage at DC at minimum rated control supply voltage at AC - at 50 Hz - at 60 Hz - at 50 Hz - at 60 Hz 9.2 VA inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.9 closing power of magnet coil at DC 920 W | | 000 VA |
| apparent holding power at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC apparent holding power at minimum rated control supply voltage at AC - at 50 Hz - at 60 Hz 7.6 VA - at 60 Hz - at 50 Hz - at 60 Hz 0.9 VA inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.9 closing power of magnet coil at DC 920 W | | 0.0 |
| apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz • at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz 9.2 VA — at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz 0.9 closing power of magnet coil at DC | | |
| at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC apparent holding power at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz — at 60 Hz 9.2 VA inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 9.2 VA 9.2 VA 9.2 VA 9.2 VA inductive power factor with the holding power of the coil at 50 Hz out 60 Hz 9.9 VA 9.9 VA 1.9 VA 9.9 VA 9 | | 0.8 |
| apparent holding power at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz — at 50 Hz — at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz out 60 Hz out 60 Hz 0.9 closing power of magnet coil at DC | | O E MA |
| apparent holding power • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz • at maximum rated control supply voltage at AC — at 50 Hz — at 50 Hz — at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz • at 60 Hz closing power of magnet coil at DC 920 W | | |
| at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz at maximum rated control supply voltage at AC — at 50 Hz — at 50 Hz — at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz output 0.9 closing power of magnet coil at DC 7.6 VA 7.6 VA 9.2 VA | | IU VA |
| - at 50 Hz - at 60 Hz • at maximum rated control supply voltage at AC - at 50 Hz - at 60 Hz 9.2 VA - at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz • at 60 Hz closing power of magnet coil at DC 7.6 VA 7.6 VA 9.2 VA 9.2 VA 9.2 VA 9.2 VA 9.2 VA 9.9 VA | | |
| - at 60 Hz • at maximum rated control supply voltage at AC - at 50 Hz - at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz • at 60 Hz closing power of magnet coil at DC 7.6 VA 7.6 VA 9.2 VA 9.2 VA 9.2 VA 9.2 VA 0.9 0.9 0.9 | | 70.74 |
| at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.9 closing power of magnet coil at DC 920 W | | |
| - at 50 Hz - at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz • at 60 Hz closing power of magnet coil at DC 9.2 VA | | 7.6 VA |
| — at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz 0.9 closing power of magnet coil at DC 9.2 VA 9.2 VA 0.9 9.9 9.9 9.9 9.9 9.9 9.9 9. | | |
| inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz closing power of magnet coil at DC 920 W | | |
| ● at 50 Hz 0.9 ■ at 60 Hz 0.9 closing power of magnet coil at DC 920 W | | 9.2 VA |
| at 60 Hz closing power of magnet coil at DC 920 W | | |
| closing power of magnet coil at DC 920 W | | |
| | | 0.9 |
| holding power of magnet coil at DC 10 W | closing power of magnet coil at DC | 920 W |
| | holding power of magnet coil at DC | 10 W |

| closing delay | |
|--|--|
| • at AC | 45 100 ms |
| • at DC | 45 100 ms |
| opening delay | |
| • at AC | 60 100 ms |
| • at DC | 60 100 ms |
| arcing time | 10 15 ms |
| control version of the switch operating mechanism | Standard A1 - A2 |
| Auxiliary circuit | |
| number of NC contacts for auxiliary contacts instantaneous contact | 2 |
| number of NO contacts for auxiliary contacts instantaneous contact | 2 |
| operational current at AC-12 maximum | 10 A |
| operational current at AC-15 | |
| • at 230 V rated value | 6 A |
| • at 400 V rated value | 3 A |
| • at 500 V rated value | 2 A |
| • at 690 V rated value | 1 A |
| operational current at DC-12 | |
| at 24 V rated value | 10 A |
| at 48 V rated value | 6 A |
| at 60 V rated value | 6 A |
| at 110 V rated value | 3 A |
| at 175 V rated value at 125 V rated value | 2 A |
| at 220 V rated value | 1A |
| at 600 V rated value | 0.15 A |
| operational current at DC-13 | 0.13 A |
| at 24 V rated value | 10 A |
| | 2 A |
| at 48 V rated value | |
| at 60 V rated value | 2 A |
| • at 110 V rated value | 1 A |
| • at 125 V rated value | 0.9 A |
| at 220 V rated value | 0.3 A |
| at 600 V rated value | 0.1 A |
| contact reliability of auxiliary contacts | 1 faulty switching per 100 million (17 V, 1 mA) |
| UL/CSA ratings | |
| full-load current (FLA) for 3-phase AC motor | |
| at 480 V rated value | 477 A |
| at 600 V rated value | 472 A |
| yielded mechanical performance [hp] | |
| • for 3-phase AC motor | |
| — at 200/208 V rated value | 150 hp |
| — at 220/230 V rated value | 200 hp |
| — at 460/480 V rated value | 400 hp |
| — at 575/600 V rated value | 500 hp |
| contact rating of auxiliary contacts according to UL | A600 / Q600 |
| Short-circuit protection | |
| design of the fuse link | |
| for short-circuit protection of the main circuit | |
| with type of coordination 1 required | gG: 630 A (690 V, 100 kA) |
| — with type of assignment 2 required | gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) |
| • for short-circuit protection of the auxiliary switch required | gG: 10 A (500 V, 1 kA) |
| Installation/ mounting/ dimensions | |
| mounting position | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back |
| fastening method | screw fixing |
| height | 214 mm |
| width | 160 mm |
| depth | 225 mm |
| required spacing | |
| roquirou opuonig | |

| with side-by-side mounting | 00 |
|---|---|
| — forwards | 20 mm |
| — upwards | 10 mm |
| — downwards | 10 mm |
| — at the side | 0 mm |
| for grounded parts | |
| — forwards | 20 mm |
| — upwards | 10 mm |
| — at the side | 10 mm |
| — downwards | 10 mm |
| for live parts | |
| — forwards | 20 mm |
| — upwards | 10 mm |
| — downwards | 10 mm |
| — at the side | 10 mm |
| Connections/ Terminals | |
| type of electrical connection | |
| for main current circuit | Connection bar |
| for auxiliary and control circuit | screw-type terminals |
| at contactor for auxiliary contacts | Screw-type terminals |
| of magnet coil | Screw-type terminals |
| width of connection bar | 25 mm |
| thickness of connection bar | 6 mm |
| diameter of holes | 11 mm |
| number of holes | 1 |
| | 1 |
| type of connectable conductor cross-sections | 2/0 500 komil |
| for AWG cables for main contacts | 2/0 500 kcmil |
| connectable conductor cross-section for main contacts | 70 040 2 |
| • stranded | 70 240 mm² |
| connectable conductor cross-section for auxiliary contacts | |
| solid or stranded | 0.5 4 mm² |
| finely stranded with core end processing | 0.5 2.5 mm ² |
| type of connectable conductor cross-sections | |
| for auxiliary contacts | |
| — solid | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) |
| — solid or stranded | 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²) |
| finely stranded with core end processing | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) |
| for AWG cables for auxiliary contacts | 2x (20 16), 2x (18 14), 1x 12 |
| AWG number as coded connectable conductor cross section | |
| for auxiliary contacts | 18 14 |
| Safety related data | |
| product function | |
| mirror contact according to IEC 60947-4-1 | Yes |
| positively driven operation according to IEC 60947-5-1 | No |
| suitable for safety function | Yes |
| suitability for use safety-related switching OFF | Yes |
| service life maximum | 20 a |
| test wear-related service life necessary | Yes |
| proportion of dangerous failures | |
| with low demand rate according to SN 31920 | 40 % |
| with high demand rate according to SN 31920 with high demand rate according to SN 31920 | 73 % |
| | |
| B10 value with high demand rate according to SN 31920 | 1 000 000 |
| failure rate [FIT] with low demand rate according to SN 31920 | 100 FIT |
| ISO 13849 | |
| device type according to ISO 13849-1 | 3 |
| overdimensioning according to ISO 13849-2 necessary | Yes |
| IEC 61508 | |
| safety device type according to IEC 61508-2 | Type A |
| Electrical Safety | |
| | |

protection class IP on the front according to IEC 60529

touch protection on the front according to IEC 60529

IP00; IP20 with box terminal/cover

finger-safe, for vertical contact from the front with box terminal/cover

Approvals Certificates

General Product Approval

EMV





Confirmation







Functional Saftey

Test Certificates

Marine / Shipping

Type Examination Certificate

Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report

Miscellaneous





Marine / Shipping

other







Confirmation

Miscellaneous

Confirmation

Railway

Environment

Special Test Certific-<u>ate</u>







Environmental Confirmations

Information on the packaging

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

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1076-6AM36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1076-6AM36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-6Al

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

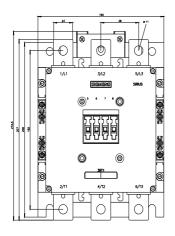
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1076-6AM36&lang=en

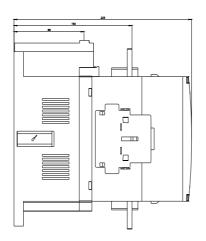
Characteristic: Tripping characteristics, I2t, Let-through current

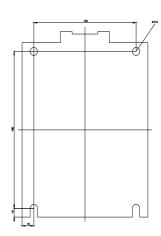
https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-6AM36/char

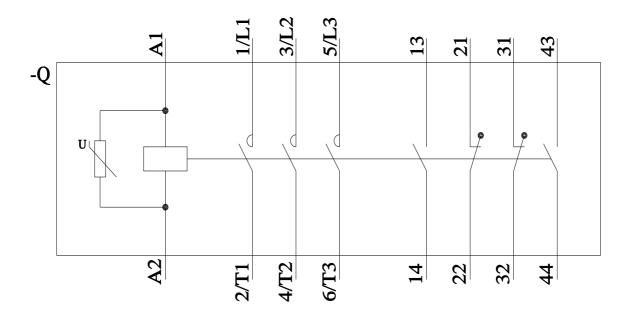
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1076-6AM36&objecttype=14&gridview=view1









last modified:

