SIEMENS

Data sheet

3RT2037-1AN60



power contactor, AC-3e/AC-3, 65 A, 30 kW / 400 V, 3-pole, 200 V AC, 50 Hz / 200-220 V, 60 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S2 $\,$

| product brand name SIRIUS product brand designation Power contactor opticut type designation SRT2 General technical data S2 size of contactor S2 product streamsion No • auxiliary switch No • auxiliary switch No • at AC in hot operating state 11.4 W • at AC in hot operating state per pole 3.8 W • without load current share typical 660 V • of main circuit with degree of pollution 3 rated value 690 V suitiary circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 10 000 000 • of chanchate is free free (operating cycles) 10 000 000 • of chanchate service iff (operating cycles) 10 000 000 | 470 K/H | |
|--|---|-----------------------------|
| product type designation 3RT2 General tachnical data | product brand name | SIRIUS |
| General technical data S2 product extension • function module for communication No • auxiliary switch No power loss [W] for rated value of the current • at AC in hot operating state 11.4 VV • at AC in hot operating state 11.4 VV • at AC in hot operating state 5.8 VV • without load current share typical 680 V • of main circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit with degree of pollution 3 rated value 690 V • of main circuit rated value 64 V • of auxiliary circuit atted value 64 V • of auxiliary circuit rated value 64 V • of auxiliary circuit reget of polective separation between coll and main contacts according to EN 60947-1 400 V shock resistance at rectangular impulse 9.8g / 5 ms, 6.5g / 10 ms • at AC 15.3g / 5 ms, 10.1g / 10 ms mechanical service life (operating cycles) 10 000 000 • of the contactor with added alectronically optimized auxiliary switch block typical <th>product designation</th> <th>Power contactor</th> | product designation | Power contactor |
| size of contactor §2 product extension No • function module for communication No • auxilary switch No power loss [W] for rated value of the current 11.4 W • at AC in hot operating state per pole 3.8 W • without load current share typical 6.5 W insulation voltage 690 V • of main circult with degree of pollution 3 rated value 690 V • of main circult with degree of pollution 3 rated value 690 V • of auxiliary circuit rated value 64 V • of main circult with degree of pollution 3 rated value 690 V • of auxiliary circuit rated value 64 V • of main circuit rated value 64 V • of auxiliary circuit rated value 9.8 g / 5 ms, 6.5g / 10 ms shock resistance with sine pulse 11.3 g / 5 ms, 10.1g / 10 ms • of contactor with added electronically optimized 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block ty | product type designation | 3RT2 |
| product extension incidion module for communication No • auxiliary switch No • auxiliary switch No • at AC in hot operating state 11.4 W • at AC in hot operating state per pole 3.8 W • without load current share typical 6.5 W insulation voltage 6.90 V • of main circuit with degree of pollution 3 rated value 690 V • of analizing vicruit with degree of pollution 3 rated value 690 V • of analizing vicruit with degree of pollution 3 rated value 690 V • of analizing vicruit with degree of pollution 3 rated value 690 V • of analizing vicruit with degree of pollution 3 rated value 690 V • of analizing vicruit with degree of pollution 3 rated value 64 V • of analizing vicruit rated value 64 KV • at AC 9.8g / 5 ms, 6.5g / 10 ms • at AC 15.3g / 5 ms, 10.1g / 10 ms mechanical service life (operating cycles) 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 5000 000 • of the contactor with added electronically optimized auxiliary switch block typical 0 Q | General technical data | |
| • function module for communication No • auxiliary switch No power loss [W] for rated value of the current • at AC in hot operating state 11.4 W • at AC in hot operating state per pole 3.8 W • without load current share typical 6.5 W insultation voltage 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit ated value 6 kV • of main circuit rated value 6 kV • of main circuit rated value 6 kV • of auxiliary circuit ated value 100 V • ot auxiliary switch biore upose 9.8g / 5 ms, 6.5g / 10 ms • at AC 15.3g / 5 ms, 10.1g / 10 ms • at AC 10.000 000 • of the contactor with added electronically optimized 5 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch bloc | size of contactor | S2 |
| • auxiliary switch No power loss [W] for rated value of the current 11.4 W • at AC in hot operating state per pole 3.8 W • without load current share typical 6.5 W insulation voltage 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit rated value 6 kV • of main circuit rated value 6 kV • of auxiliary circuit with sine pulse 400 V • at AC 9.8g / 5 ms, 6.5g / 10 ms shock resistance with sine pulse 15.3g / 5 ms, 10.1g / 10 ms • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 0000 | product extension | |
| power loss [W] for rated value of the current i.at AC in hot operating state prole at AC in hot operating state per pole at AC in hot operating state per pole at AC in hot operating state per pole by the state typical c.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 • of auxiliary circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV 6 do 0 V 6 do 0 O 0 0 O 6 do do 0 O 6 do do | function module for communication | No |
| • at AC in hot operating state 11.4 W • at AC in hot operating state per pole 3.8 W • without load current share typical 6.5 W insultation voltage 6.5 W • of main circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit with degree of pollution 3 rated value 690 V • of main circuit rated value 690 V • of auxiliary circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit rated value 6 kV • at AC 9.8g / 5 ms, 6.5g / 10 ms shock resistance with sine pulse 15.3g / 5 ms, 10.1g / 10 ms • at AC 10 000 000 • of the contactor with added electronically optimized 2000 000 • of the contactor with added electronically optimized 10/01/2014 Ambient conditions 25 +60 °C • of uring storage -25 | auxiliary switch | No |
| • at AC in hot operating state per pole 3.8 W • without bad current share typical 6.5 W insulation voltage 60 min circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V surge voltage resistance 60 KV • of main circuit with degree of pollution 2 rated value 68 V • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • ad and main contacts according to EN 60947-1 400 V • otal main contacts according to EN 60947-1 400 V • at AC 9.8g / 5 ms, 6.5g / 10 ms • at AC 9.8g / 5 ms, 10.1g / 10 ms mechanical service life (operating cycles) 10 000 000 • of contactor typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical <t< th=""><th>power loss [W] for rated value of the current</th><th></th></t<> | power loss [W] for rated value of the current | |
| • without load current share typical 6.5 W insulation voltage 690 V • of main circuit with degree of pollution 3 rated value 690 V surge voltage resistance 690 V • of main circuit with degree of pollution 3 rated value 690 V surge voltage resistance 6 kV • of main circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of main circuit rated value 6 kV • at AC 9.8g / 5 ms, 6.5g / 10 ms • at AC 15.3g / 5 ms, 10.1g / 10 ms mechanical service life (operating cycles) 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 1001/2014 Ambient conditions -25 +60 °C • during storage -55 +60 °C • during storage -55 +80 °C <th> at AC in hot operating state </th> <th>11.4 W</th> | at AC in hot operating state | 11.4 W |
| Insulation voltage 690 V • of main circuit with degree of pollution 3 rated value 690 V surge voltage resistance 690 V • of main circuit rated value 6 kV • of auxiliary circuit rated value 6 kV maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 400 V shock resistance at rectangular impulse 9.8g / 5 ms, 6.5g / 10 ms • at AC 9.8g / 5 ms, 10.1g / 10 ms mechanical service life (operating cycles) 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 8136-2 Q Substance Prohibitance (Date) 10/01/2014 Ambient temperature - - • during storage -25 +60 °C | at AC in hot operating state per pole | 3.8 W |
| • 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 680 V • of main circuit rated value 6 kV • of auxiliary circuit with degree of pollution 3 rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV maximum permissible voltage for protective separation between 400 V shock resistance at rectangular impulse 9.8g / 5 ms, 6.5g / 10 ms • at AC 9.8g / 5 ms, 10.1g / 10 ms mechanical service life (operating cycles) 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2014 Ambient conditions -25 +60 °C • during operation -25 +60 °C • during storage -55 +60 °C • during storage -55 +60 °C • during st | without load current share typical | 6.5 W |
| • of auxiliary circuit with degree of pollution 3 rated value 690 V surge voltage resistance 6 kV • of main circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • at AC 9.8g / 5 ms, 6.5g / 10 ms • at AC 9.8g / 5 ms, 10.1g / 10 ms mechanical service life (operating cycles) 10 000 000 • of contactor typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2014 Ambient conditions 2000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during storage -55 | insulation voltage | |
| surge voltage resistance 6 kV • of main circuit rated value 6 kV • of auxiliary circuit rated value 6 kV maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 400 V shock resistance at rectangular impulse 9.8g / 5 ms, 6.5g / 10 ms • at AC 9.8g / 5 ms, 10.1g / 10 ms mechanical service life (operating cycles) 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/1/2014 Ambient conditions -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit Main circuit | of main circuit with degree of pollution 3 rated value | 690 V |
| • of main circuit rated value 6 kV • of auxiliary circuit rated value 6 kV maximum permissible voltage for protective separation between coll and main contacts according to EN 60947-1 400 V shock resistance at rectangular impulse 400 V • at AC 9.8g / 5 ms, 6.5g / 10 ms shock resistance with sine pulse 9.8g / 5 ms, 10.1g / 10 ms • at AC 15.3g / 5 ms, 10.1g / 10 ms mechanical service life (operating cycles) 10 000 000 • of the contactor rypical 5 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2014 Ambient conditions 2 000 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C relative humidity minum 10 % 95 % 95 % | of auxiliary circuit with degree of pollution 3 rated value | 690 V |
| • of auxiliary circuit rated value 6 kV maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 400 V shock resistance at rectangular impulse 400 V • at AC 9.8g / 5 ms, 6.5g / 10 ms shock resistance with sine pulse - • at AC 15.3g / 5 ms, 10.1g / 10 ms mechanical service life (operating cycles) - • of contactor typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2014 Amblent conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit 95 % | surge voltage resistance | |
| maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 400 V shock resistance at rectangular impulse at AC 9.8g / 5 ms, 6.5g / 10 ms shock resistance with sine pulse at AC 15.3g / 5 ms, 10.1g / 10 ms mechanical service life (operating cycles) of contactor typical 10 000 000 of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of othe contactor with added auxiliary switch block typical 10 000 000 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2014 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature during operation -25 +60 °C etative humidity minimum 10 % 95 % | of main circuit rated value | 6 kV |
| coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC 9.8g / 5 ms, 6.5g / 10 ms shock resistance with sine pulse • at AC 15.3g / 5 ms, 10.1g / 10 ms mechanical service life (operating cycles) 10 000 000 • of contactor typical 5 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2014 Ambient conditions 2 000 m ambient temperature -25 +60 °C • during operation -25 +80 °C • relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit | of auxiliary circuit rated value | 6 kV |
| • at AC 9.8g / 5 ms, 6.5g / 10 ms shock resistance with sine pulse 15.3g / 5 ms, 10.1g / 10 ms • at AC 15.3g / 5 ms, 10.1g / 10 ms mechanical service life (operating cycles) 0 000 000 • of contactor typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2014 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit 4000000000000000000000000000000000000 | | 400 V |
| shock resistance with sine pulse 15.3g / 5 ms, 10.1g / 10 ms mechanical service life (operating cycles) 10 000 000 • of contactor typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2014 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit | shock resistance at rectangular impulse | |
| • at AC15.3g / 5 ms, 10.1g / 10 msmechanical service life (operating cycles)0• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)10/01/2014Ambient conditions2 000 minstallation altitude at height above sea level maximum2 000 mambient temperature-25 +60 °C• during operation-25 +60 °C• during storage-55 +80 °Crelative humidity minimum10 %maximum95 % | • at AC | 9.8g / 5 ms, 6.5g / 10 ms |
| mechanical service life (operating cycles) 10 000 000 • of contactor typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 5 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2014 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit Main circuit | shock resistance with sine pulse | |
| • of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)10/01/2014Ambient conditions2 000 minstallation altitude at height above sea level maximum2 000 mambient temperature • during operation • during storage-25 +60 °C• during storage-55 +80 °Crelative humidity minimum10 %relative humidity at 55 °C according to IEC 60068-2-30 maximum95 % | • at AC | 15.3g / 5 ms, 10.1g / 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 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2014 Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature oduring operation -25 +60 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit | mechanical service life (operating cycles) | |
| auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2014 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % Main circuit 95 % | of contactor typical | 10 000 000 |
| reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2014 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 95 % | | 5 000 000 |
| Substance Prohibitance (Date) 10/01/2014 Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature 2 000 m • 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 % | of the contactor with added auxiliary switch block typical | 10 000 000 |
| Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 95 % Main circuit | reference code according to IEC 81346-2 | Q |
| installation altitude at height above sea level maximum 2 000 m ambient temperature 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 400 m | Substance Prohibitance (Date) | 10/01/2014 |
| ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 95 % Main circuit | Ambient conditions | |
| during operation -25 +60 °C during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 g5 % Main circuit | installation altitude at height above sea level maximum | 2 000 m |
| • during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 95 % Main circuit | ambient temperature | |
| relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit 95 % | during operation | -25 +60 °C |
| relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit 95 % | during storage | -55 +80 °C |
| maximum Main circuit | relative humidity minimum | 10 % |
| | | 95 % |
| number of noise for main ourrent circuit | Main circuit | |
| number of poles for fillent circuit o | number of poles for main current circuit | 3 |

| number of NO contacts for main contacts | 3 |
|--|--------------------|
| operating voltage | |
| at AC-3 rated value maximum | 690 V |
| at AC-3e rated value maximum | 690 V |
| operational current | |
| • at AC-1 at 400 V at ambient temperature 40 °C rated | 80 A |
| value | |
| • at AC-1 | |
| — up to 690 V at ambient temperature 40 °C rated value | 80 A |
| — up to 690 V at ambient temperature 60 °C rated | 70 A |
| value | |
| • at AC-3 | |
| — at 400 V rated value | 65 A |
| — at 500 V rated value | 65 A |
| — at 690 V rated value | 47 A |
| • at AC-3e | |
| — at 400 V rated value | 65 A |
| — at 500 V rated value | 65 A |
| — at 690 V rated value | 47 A |
| at AC-4 at 400 V rated value | 55 A |
| at AC-5a up to 690 V rated value | 70.4 A |
| at AC-5b up to 400 V rated value at AC-6a | 53.9 A |
| | 56.9 A |
| — up to 230 V for current peak value n=20 rated value | |
| — up to 400 V for current peak value n=20 rated value | 56.9 A 56.9 A |
| up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value | 47 A |
| at AC-6a | 4/ A |
| up to 230 V for current peak value n=30 rated value | 38 A |
| — up to 200 V for current peak value n=30 rated value | 38 A |
| — up to 500 V for current peak value n=30 rated value | 38 A |
| — up to 690 V for current peak value n=30 rated value | 38 A |
| minimum cross-section in main circuit at maximum AC-1 rated | 25 mm ² |
| value | |
| operational current for approx. 200000 operating cycles at AC-4 | |
| at 400 V rated value | 28 A |
| at 690 V rated value | 22 A |
| operational current | |
| • at 1 current path at DC-1 | |
| — at 24 V rated value | 55 A |
| — at 60 V rated value | 23 A |
| — at 110 V rated value | 4.5 A |
| — at 220 V rated value | 1 A |
| — at 440 V rated value | 0.4 A |
| — at 600 V rated value | 0.25 A |
| • with 2 current paths in series at DC-1 | |
| — at 24 V rated value | 55 A |
| — at 60 V rated value | 45 A |
| — at 110 V rated value | 45 A |
| — at 220 V rated value | 5 A |
| — at 440 V rated value | 1 A |
| — at 600 V rated value | 0.8 A |
| with 3 current paths in series at DC-1 | |
| — at 24 V rated value | 55 A |
| — at 60 V rated value | 55 A |
| — at 110 V rated value | 55 A |
| — at 220 V rated value | 45 A |
| — at 440 V rated value | 2.9 A |
| — at 600 V rated value | 1.4 A |
| at 1 current path at DC-3 at DC-5 | |

| | — at 24 V rated value | 35 A |
|--|---|---|
| | — at 60 V rated value | 6 A |
| | — at 220 V rated value | 1 A |
| • win 2 current path in series at DC-3 at DC-5 5 - at 24 V rade value 55 Å - at 110 V rade value 25 Å - at 110 V rade value 5 Å - at 440 V rade value 0.27 Å - at 440 V rade value 0.18 Å - at 440 V rade value 0.18 Å - at 460 V rade value 0.18 Å - at 460 V rade value 0.5 Å - at 460 V rade value 55 Å - at 460 V rade value 55 Å - at 460 V rade value 0.38 Å - at 460 V rade value 30 kW - at 470 V rade value 30 kW - at 400 V rade value 37 kW - at 600 V rade value 32 kW <td>— at 440 V rated value</td> <td>0.1 A</td> | — at 440 V rated value | 0.1 A |
| | — at 600 V rated value | 0.06 A |
| | with 2 current paths in series at DC-3 at DC-5 | |
| - all 10 Vinited value at 440 Vinited value b 27 A - at 600 Vinited value 0 27 A - at 600 Vinited value 0 27 A - at 600 Vinited value 0 27 A - at 60 Vinited value 55 A - at 24 Vinited value 55 A - at 24 Vinited value 55 A - at 70 Vinited value 56 A - at 700 Vinited value 57 A - at 400 Vinited value 58 A - at 700 Vinited value 59 A - at 700 Vinited value 50 Vinited value | — at 24 V rated value | 55 A |
| | — at 60 V rated value | 45 A |
| | — at 110 V rated value | 25 A |
| | — at 220 V rated value | 5 A |
| • with 3 current path in series at DC-3 at DC-5 55 A - at 20 V rated value 55 A - at 110 V rated value 55 A - at 120 V rated value 55 A - at 440 V rated value 66 A - at 420 V rated value 0.35 A operating power 0.35 A - at 600 V rated value 0.35 A operating power 0.15 KW - at 230 V rated value 30 KW - at 230 V rated value 30 KW - at 500 V rated value 30 KW - at 500 V rated value 30 KW - at 500 V rated value 37 KW - at 600 V rated value 30 KW - at 500 V rated value 30 kW - at 500 V rated value 30 kW - at 600 V rated value 30 kW opoperating poperator 30 kW <tr< td=""><td>— at 440 V rated value</td><td>0.27 A</td></tr<> | — at 440 V rated value | 0.27 A |
| | — at 600 V rated value | 0.16 A |
| | with 3 current paths in series at DC-3 at DC-5 | |
| | — at 24 V rated value | 55 A |
| | — at 60 V rated value | 55 A |
| | — at 110 V rated value | 55 A |
| | — at 220 V rated value | 25 A |
| operating power at AC-2 at 400 V rated value 30 kW • at AC-3 | — at 440 V rated value | 0.6 A |
| | — at 600 V rated value | 0.35 A |
| | operating power | |
| | | 30 kW |
| | • at AC-3 | |
| at 400 V rated value30 kW at 500 V rated value37 kW at 230 V rated value37 kW at 230 V rated value15. kW at 400 V rated value30 kW at 630 V rated value30 kW at 630 V rated value37 kW at 630 V rated value20 kWoperating power for approx. 20000 operating cycles at AC at 640 V rated value20 kWoperating apparent power at AC-68 up to 230 V for current peak value n=20 rated value20 kWoperating apparent power at AC-68 up to 400 V for current peak value n=20 rated value34 kVA up to 230 V for current peak value n=20 rated value35 ktVA up to 200 V for current peak value n=30 rated value26 kVA up to 200 V for current peak value n=30 rated value28 kVA up to 680 V for current peak value n=30 rated value28 kVA up to 680 V for current peak value n=30 rated value28 kVA up to 680 V for current peak value n=30 rated value28 kVA up to 680 V for current peak value n=30 rated value28 kVA up to 680 V for current peak value n=30 rated value28 kVA up to 680 V for current peak value n=30 rated value28 kVA up to 680 V for current peak value n=30 rated value28 kVA up to 680 V for current peak value n=30 rated value28 kVA up | — at 230 V rated value | 18.5 kW |
| at 890 V rated value37 kW• at AC-3e at 230 V rated value30 kW at 400 V rated value30 kW at 690 V rated value37 kW at 690 V rated value20 kWoperating paperent power at AC-6a22.6 kVA up to 500 V for current peak value n=20 rated value39.4 kVA up to 500 V for current peak value n=20 rated value56.1 kVA up to 500 V for current peak value n=20 rated value56.1 kVA up to 500 V for current peak value n=30 rated value56.1 kVA up to 500 V for current peak value n=30 rated value28.2 kVA up to 500 V for current peak value n=30 rated value28.2 kVA up to 500 V for current peak value n=30 rated value28.2 kVA up to 500 V for current peak value n=30 rated value28.2 kVA up to 500 V for current peak value n=30 rated value28.2 kVA up to 500 V for current neak value n=30 rated value28.2 kVA up to 500 V for current neak value n=30 rated value28.2 kVA up to 500 V for current neak value n=30 rated value28.2 kVA up to 500 V for current neak value n=30 rated value28.2 kVA up to 500 V for current neak value n=30 rated value28.2 kVA up to 500 V for current neak value n=30 rated value28.2 kVA </td <td>— at 400 V rated value</td> <td>30 kW</td> | — at 400 V rated value | 30 kW |
| • at AC-3eI at 230 V rated value15.5 kW- at 400 V rated value30 kW- at 600 V rated value37 kW- at 600 V rated value37 kW- at 600 V rated value37 kWoperating power for approx. 20000 operating cycles at AC-414.7 kW• at 400 V rated value14.7 kW• at 600 V rated value20 kWoperating apparent power at AC-6a20 kW• up to 230 V for current peak value n=20 rated value39.4 kVA• up to 500 V for current peak value n=20 rated value39.4 kVA• up to 690 V for current peak value n=20 rated value56.1 kVAoperating apparent power at AC-6a15.1 kVA• up to 690 V for current peak value n=30 rated value22.8 kVA• up to 600 V for current peak value n=30 rated value25.8 kVA• up to 500 V for current peak value n=30 rated value25.8 kVA• up to 500 V for current peak value n=30 rated value25.8 kVA• up to 500 V for current peak value n=30 rated value35.4 kVA• up to 500 V for current peak value n=30 rated value32.8 kVA• up to 500 V for current peak value n=30 rated value35.4 kVA• up to 500 V for current no current maximum1055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 ra | — at 500 V rated value | 37 kW |
| at 230 V rated value18.5 kW at 400 V rated value30 kW at 500 V rated value37 kWoperating power for approx. 20000 operating cycles at AC- 47 kW• at 400 V rated value14.7 kWoperating apparent power at AC-6a22 22 kWA• up to 230 V for current peak value n=20 rated value39.4 kVA• up to 500 V for current peak value n=20 rated value39.4 kVA• up to 500 V for current peak value n=20 rated value50.1 kVA• up to 500 V for current peak value n=20 rated value51.4 kVA• up to 500 V for current peak value n=30 rated value52.4 kVA• up to 500 V for current peak value n=30 rated value22.8 kVA• up to 500 V for current peak value n=30 rated value22.8 kVA• up to 500 V for current peak value n=30 rated value22.8 kVA• up to 500 V for current peak value n=30 rated value22.8 kVA• up to 500 V for current peak value n=30 rated value22.8 kVA• up to 500 V for current peak value n=30 rated value22.8 kVA• up to 500 V for current peak value n=30 rated value32.8 kVA• up to 500 V for current peak value n=30 rated value32.8 kVA• up to 500 V for current peak value n=30 rated value33.6 k.U se minimum cross-section acc. to AC-1 rated value• up to 500 V for current peak value n=30 rated value33.6 k.U se minimum cross-section acc. to AC-1 rated value• uimited to 1 s switching at zero current maximum33.6 k.U se minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum35.0 k.U se minimum cross- | — at 690 V rated value | 37 kW |
| | • at AC-3e | |
| | — at 230 V rated value | 18.5 kW |
| | — at 400 V rated value | 30 kW |
| operating power for approx. 20000 operating cycles at AC-4 14.7 kW • at 400 V rated value 20 kW operating apparent power at AC-6a 20 kW • up to 230 V for current peak value n=20 rated value 39.4 kVA • up to 500 V for current peak value n=20 rated value 39.4 kVA • up to 500 V for current peak value n=20 rated value 39.4 kVA • up to 500 V for current peak value n=20 rated value 46.1 kVA • up to 500 V for current peak value n=20 rated value 56.1 kVA operating apparent power at AC-6a 15.1 kVA • up to 500 V for current peak value n=30 rated value 56.2 kVA • up to 500 V for current peak value n=30 rated value 28.8 kVA • up to 500 V for current peak value n=30 rated value 28.8 kVA • up to 690 V for current peak value n=30 rated value 32.8 kVA • up to 690 V for current peak value n=30 rated value 45.3 kVA short-time withstand current in cold operating state up to 40° C 1055 A; Use minimum cross-section acc. to AC-1 rated value • limited to 1s switching at zero current maximum 1055 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 236 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at | — at 500 V rated value | 37 kW |
| 4 i at 400 V rated value 14.7 kW • at 690 V rated value 20 kW operating apparent power at AC-6a 22.6 kVA • up to 230 V for current peak value n=20 rated value 39.4 kVA • up to 500 V for current peak value n=20 rated value 39.4 kVA • up to 500 V for current peak value n=20 rated value 49.2 kVA • up to 500 V for current peak value n=20 rated value 56.1 kVA operating apparent power at AC-6a 15.1 kVA • up to 230 V for current peak value n=30 rated value 28.2 kVA • up to 600 V for current peak value n=30 rated value 28.2 kVA • up to 500 V for current peak value n=30 rated value 28.2 kVA • up to 600 V for current peak value n=30 rated value 28.2 kVA • up to 600 V for current peak value n=30 rated value 26.2 kVA • up to 600 V for current peak value n=30 rated value 26.3 kVA • up to 600 V for current peak value n=30 rated value 26.3 kVA • up to 600 V for current peak value n=30 rated value 32.8 kVA • up to 600 V for current peak value n=30 rated value 45.3 kVA • up to 600 V for current maximum 1055 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 500 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 27 | — at 690 V rated value | 37 kW |
| 4 i at 400 V rated value 14.7 kW • at 690 V rated value 20 kW operating apparent power at AC-6a 22.6 kVA • up to 230 V for current peak value n=20 rated value 39.4 kVA • up to 500 V for current peak value n=20 rated value 39.4 kVA • up to 500 V for current peak value n=20 rated value 49.2 kVA • up to 500 V for current peak value n=20 rated value 56.1 kVA operating apparent power at AC-6a 15.1 kVA • up to 230 V for current peak value n=30 rated value 28.2 kVA • up to 600 V for current peak value n=30 rated value 28.2 kVA • up to 500 V for current peak value n=30 rated value 28.2 kVA • up to 600 V for current peak value n=30 rated value 28.2 kVA • up to 600 V for current peak value n=30 rated value 26.2 kVA • up to 600 V for current peak value n=30 rated value 26.3 kVA • up to 600 V for current peak value n=30 rated value 26.3 kVA • up to 600 V for current peak value n=30 rated value 32.8 kVA • up to 600 V for current peak value n=30 rated value 45.3 kVA • up to 600 V for current maximum 1055 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 500 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 27 | | |
| • at 690 V rated value 20 kW operating apparent power at AC-6a 22.6 kVA • up to 230 V for current peak value n=20 rated value 39.4 kVA • up to 600 V for current peak value n=20 rated value 39.4 kVA • up to 690 V for current peak value n=20 rated value 49.2 kVA • up to 690 V for current peak value n=20 rated value 56.1 kVA operating apparent power at AC-6a 51.1 kVA • up to 230 V for current peak value n=30 rated value 26.2 kVA • up to 500 V for current peak value n=30 rated value 28.8 kVA • up to 690 V for current peak value n=30 rated value 28.8 kVA • up to 690 V for current peak value n=30 rated value 28.8 kVA • up to 690 V for current peak value n=30 rated value 45.3 kVA short-time withstand current in cold operating state up to 40°C 45.3 kVA • limited to 1 s switching at zero current maximum 1 055 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 20 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 20 A; Use minimum cross-section acc. to AC-1 rated value • limited to 30 s switching at zero current maximum 20 A; Use minimum cross-section acc. to AC-1 rated value | | |
| operating apparent power at AC-6a22.6 kVA• up to 230 V for current peak value n=20 rated value39.4 kVA• up to 500 V for current peak value n=20 rated value39.4 kVA• up to 500 V for current peak value n=20 rated value49.2 kVA• up to 690 V for current peak value n=20 rated value50.1 kVAoperating apparent power at AC-6a15.1 kVA• up to 230 V for current peak value n=30 rated value26.2 kVA• up to 500 V for current peak value n=30 rated value22.6 kVA• up to 500 V for current peak value n=30 rated value26.2 kVA• up to 500 V for current peak value n=30 rated value28.8 kVA• up to 500 V for current peak value n=30 rated value32.8 kVA• up to 500 V for current peak value n=30 rated value45.3 kVA• up to 690 V for current peak value n=30 rated value45.3 kVA• up to 500 V for current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum20 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum36 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value | at 400 V rated value | 14.7 kW |
| • up to 230 V for current peak value n=20 rated value 22.6 kVA • up to 400 V for current peak value n=20 rated value 39.4 kVA • up to 500 V for current peak value n=20 rated value 49.2 kVA • up to 690 V for current peak value n=20 rated value 50.1 kVA operating apparent power at AC-6a 6 • up to 230 V for current peak value n=30 rated value 26.2 kVA • up to 500 V for current peak value n=30 rated value 26.2 kVA • up to 500 V for current peak value n=30 rated value 26.2 kVA • up to 500 V for current peak value n=30 rated value 28.4 kVA • up to 500 V for current peak value n=30 rated value 28.4 kVA • up to 690 V for current peak value n=30 rated value 32.8 kVA • up to 690 V for current peak value n=30 rated value 45.3 kVA • up to 690 V for current peak value n=30 rated value 45.3 kVA • up to 690 V for current peak value n=30 rated value 45.3 kVA • up to 690 V for current peak value n=30 rated value 45.3 kVA • up to 690 V for current peak value n=30 rated value 45.3 kVA • up to 690 V for current peak value n=30 rated value 45.3 kVA • up to 690 V for current peak value n=30 rated value 50 A (Use minimum cross-section acc. to AC-1 rated value <td> at 690 V rated value </td> <td>20 kW</td> | at 690 V rated value | 20 kW |
| up to 400 V for current peak value n=20 rated value39.4 kVAup to 500 V for current peak value n=20 rated value49.2 kVAup to 690 V for current peak value n=20 rated value56.1 kVAoperating apparent power at AC-6aup to 230 V for current peak value n=30 rated value15.1 kVAup to 400 V for current peak value n=30 rated value26.2 kVAup to 500 V for current peak value n=30 rated value32.8 kVAup to 690 V for current peak value n=30 rated value32.8 kVAup to 690 V for current peak value n=30 rated value32.8 kVAup to 690 V for current peak value n=30 rated value32.8 kVAup to 690 V for current peak value n=30 rated value45.3 kVAshort-time withstand current in cold operating state up to 40 °C40 °Cilmited to 1 s switching at zero current maximum1055 A; Use minimum cross-section acc. to AC-1 rated valueilmited to 50 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated valueilmited to 60 s switching at zero current maximum36 A; Use minimum cross-section acc. to AC-1 rated valueilmited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated valueilmited to 60 s switching at zero current maximum270 A; Use minimum cross-section acc. to AC-1 rated valueilmited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated valueilmited to 60 s switching at zero current maximum200 1/hoperating frequency5000 1/he at AC5000 1/he at AC-1 maximum800 1/h< | operating apparent power at AC-6a | |
| • up to 500 V for current peak value n=20 rated value 49.2 kVA • up to 690 V for current peak value n=20 rated value 56.1 kVA operating apparent power at AC-6a 15.1 kVA • up to 230 V for current peak value n=30 rated value 26.2 kVA • up to 500 V for current peak value n=30 rated value 26.2 kVA • up to 500 V for current peak value n=30 rated value 26.2 kVA • up to 500 V for current peak value n=30 rated value 25.3 kVA • up to 500 V for current peak value n=30 rated value 45.3 kVA • up to 500 V for current peak value n=30 rated value 45.3 kVA • up to 500 V for current peak value n=30 rated value 45.3 kVA • up to 500 V for current maximum 1 055 A; Use minimum cross-section acc. to AC-1 rated value • limited to 1 s switching at zero current maximum 520 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 236 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 S switching at zero current maximum 272 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 272 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 272 A; Use minimum cross-section acc. to AC-1 rated value <td> up to 230 V for current peak value n=20 rated value </td> <td>22.6 kVA</td> | up to 230 V for current peak value n=20 rated value | 22.6 kVA |
| • up to 690 V for current peak value n=20 rated value for current peak value n=30 rated value iup to 230 V for current peak value n=30 rated value iup to 230 V for current peak value n=30 rated value iup to 500 V for current peak value n=30 rated value iup to 500 V for current peak value n=30 rated value iup to 500 V for current peak value n=30 rated value iup to 690 V for current peak value n=30 rated value iup to 500 V for current peak value n=30 rated value iup to 500 V for current peak value n=30 rated value iup to 500 V for current peak value n=30 rated value iup to 500 V for current peak value n=30 rated value iup to 500 V for current peak value n=30 rated value iup to 500 V for current peak value n=30 rated value iup to 500 V for current peak value n=30 rated value iup to 500 V for current peak value n=30 rated value iup to 500 V for current peak value n=30 rated value iup to 500 V for current peak value n=30 rated value iup to 500 V for current peak value n=30 rated value iup to 500 V for current peak value n=30 rated value iup to 500 V for current peak value n=30 rated value iup to 500 V for current peak value n=30 rated value iup to 500 V for current peak value n=30 rated value iup to 500 V for current peak value n=30 rated value ilimited to 1 s switching at zero current maximum 1055 A; Use minimum cross-section acc. to AC-1 rated value ilimited to 10 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ium ze | up to 400 V for current peak value n=20 rated value | 39.4 kVA |
| operating apparent power at AC-6a15.1 kVA• up to 230 V for current peak value n=30 rated value15.1 kVA• up to 400 V for current peak value n=30 rated value26.2 kVA• up to 500 V for current peak value n=30 rated value32.8 kVA• up to 690 V for current peak value n=30 rated value45.3 kVAshort-time withstand current in cold operating state up to 40 °C45.3 kVA• limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-4 maximum200 1/h | up to 500 V for current peak value n=20 rated value | 49.2 kVA |
| up to 230 V for current peak value n=30 rated value 15.1 kVA up to 400 V for current peak value n=30 rated value 26.2 kVA up to 500 V for current peak value n=30 rated value 32.8 kVA up to 690 V for current peak value n=30 rated value 45.3 kVA short-time withstand current in cold operating state up to 40 °C limited to 1 s switching at zero current maximum 1055 A; Use minimum cross-section acc. to AC-1 rated value limited to 1 s switching at zero current maximum 1055 A; Use minimum cross-section acc. to AC-1 rated value limited to 30 s switching at zero current maximum S20 A; Use minimum cross-section acc. to AC-1 rated value limited to 30 s switching at zero current maximum S22 A; Use minimum cross-section acc. to AC-1 rated value limited to 60 s switching at zero current maximum S22 A; Use minimum cross-section acc. to AC-1 rated value limited to 60 s switching at zero current maximum S22 A; Use minimum cross-section acc. to AC-1 rated value limited to 60 s switching at zero current maximum S22 A; Use minimum cross-section acc. to AC-1 rated value limited to 60 s switching at zero current maximum S22 A; Use minimum cross-section acc. to AC-1 rated value at AC s to 00 1/h at AC-1 maximum at AC-1 maximum at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-4 maximum at AC-4 maximum at AC-4 maximum at AC-4 maximum | up to 690 V for current peak value n=20 rated value | 56.1 kVA |
| • up to 400 V for current peak value n=30 rated value26.2 kVA• up to 500 V for current peak value n=30 rated value32.8 kVA• up to 690 V for current peak value n=30 rated value45.3 kVA short-time withstand current in cold operating state up to 40 °C 1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching frequency5 000 1/h• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-4 maximum200 1/h | operating apparent power at AC-6a | |
| • up to 500 V for current peak value n=30 rated value32.8 kVA• up to 690 V for current peak value n=30 rated value45.3 kVAshort-time withstand current in cold operating state up to 40 °C1055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-3 maximum200 1/h | up to 230 V for current peak value n=30 rated value | 15.1 kVA |
| • up to 690 V for current peak value n=30 rated value45.3 kVAshort-time withstand current in cold operating state up to 40 °C45.3 kVA• limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum730 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-4 maximum200 1/h | up to 400 V for current peak value n=30 rated value | 26.2 kVA |
| short-time withstand current in cold operating state up to 40 °C1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-3 maximum200 1/h | up to 500 V for current peak value n=30 rated value | 32.8 kVA |
| 40 °C• limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum730 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 e maximum700 1/h• at AC-4 maximum200 1/h | up to 690 V for current peak value n=30 rated value | 45.3 kVA |
| • limited to 1 s switching at zero current maximum1 055 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum730 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching frequency272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum800 1/h• at AC-3 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-4 maximum200 1/h | | |
| • limited to 5 s switching at zero current maximum730 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-4 maximum200 1/h | | |
| • limited to 10 s switching at zero current maximum520 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated value• no-load switching frequency272 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3e maximum700 1/h• at AC-4 maximum200 1/h | - | |
| • limited to 30 s switching at zero current maximum336 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated valueno-load switching frequency5 000 1/h• at AC5 000 1/hoperating frequency800 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3e maximum700 1/h• at AC-4 maximum200 1/h | - | |
| • limited to 60 s switching at zero current maximum272 A; Use minimum cross-section acc. to AC-1 rated valueno-load switching frequency5 000 1/h• at AC5 000 1/hoperating frequency800 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum200 1/h | - | |
| no-load switching frequency• at AC5 000 1/hoperating frequency• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3 maximum700 1/h• at AC-4 maximum200 1/h | - | |
| • at AC5 000 1/hoperating frequency800 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3e maximum700 1/h• at AC-4 maximum200 1/h | | 272 A; Use minimum cross-section acc. to AC-1 rated value |
| operating frequency800 1/h• at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3e maximum700 1/h• at AC-4 maximum200 1/h | | |
| • at AC-1 maximum800 1/h• at AC-2 maximum400 1/h• at AC-3 maximum700 1/h• at AC-3e maximum700 1/h• at AC-4 maximum200 1/h | | 5 000 1/h |
| • at AC-2 maximum 400 1/h • at AC-3 maximum 700 1/h • at AC-3e maximum 700 1/h • at AC-4 maximum 200 1/h | | |
| • at AC-3 maximum 700 1/h • at AC-3e maximum 700 1/h • at AC-4 maximum 200 1/h | | |
| • at AC-3e maximum 700 1/h • at AC-4 maximum 200 1/h | | |
| • at AC-4 maximum 200 1/h | | |
| | | |
| Control circuit/ Control | | 200 1/h |
| | Control circuit/ Control | |

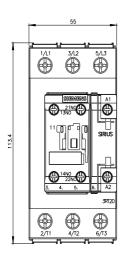
| type of voltage of the control supply voltage | AC |
|---|--|
| control supply voltage at AC | |
| • at 50 Hz rated value | 200 V |
| • at 60 Hz rated value | 200 220 V |
| operating range factor control supply voltage rated value of magnet coil at AC | |
| • at 50 Hz | 0.8 1.1 |
| • at 60 Hz | 0.85 1.1 |
| apparent pick-up power of magnet coil at AC | |
| • at 50 Hz | 210 VA |
| • at 60 Hz | 188 VA |
| inductive power factor with closing power of the coil | |
| • at 50 Hz | 0.69 |
| • at 60 Hz | 0.65 |
| apparent holding power | |
| at minimum rated control supply voltage at AC | |
| — at 60 Hz | 17.2 VA |
| at maximum rated control supply voltage at AC | |
| — at 60 Hz | 17.2 VA |
| apparent holding power of magnet coil at AC | |
| • at 50 Hz | 17.2 VA |
| • at 60 Hz | 16.5 VA |
| inductive power factor with the holding power of the coil | |
| • at 50 Hz | 0.36 |
| • at 60 Hz | 0.39 |
| closing delay | |
| • at AC | 10 80 ms |
| opening delay | |
| • at AC | 10 18 ms |
| arcing time | 10 20 ms |
| | |
| control version of the switch operating mechanism | Standard A1 - A2 |
| Auxiliary circuit | |
| Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact | 2 |
| Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous | 2 2 |
| Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous | 2 |
| Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact | 2 2 |
| Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum | 2 2 10 A 6 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts 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 | 2 2 10 A 6 A 3 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts 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 | 2 2 10 A 6 A 3 A 2 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts 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 | 2 2 10 A 6 A 3 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts 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 | 2 2 10 A 6 A 3 A 2 A 1 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts 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 | 2 2 10 A 6 A 3 A 2 A 1 A 10 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts 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 | 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 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 | 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 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 48 V rated value • at 60 V rated value | 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 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 | 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts 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 | 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts 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 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 20 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value | 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts 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 60 V rated value • at 24 V rated value • at 60 V rated value • at 20 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value | 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 1 A 1 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 690 V rated value • at 690 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 • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value | 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts 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 690 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 48 V rated value • at 420 V rated value | 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts 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 690 V rated value • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 125 V rated value • at 220 V rated value • at 48 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 400 V rated value • at 48 V rated value • at 600 V rated value • at 24 V rated value • at 600 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value < | 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 6 A 2 A 2 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts 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 500 V rated value • at 690 V rated value • at 24 V rated value • at 60 V rated value • at 220 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 48 V rated value • at 400 V rated value • at 400 V rated value • at 400 V rated value • at 60 V rated value <th>2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 6 A 6 A 3 A 2 A 1 A 6 A 3 A 2 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1</th> | 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 6 A 6 A 3 A 2 A 1 A 6 A 3 A 2 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 |
| Auxiliary circuit number of NC contacts for auxiliary contacts 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 690 V rated value • at 690 V rated value • at 690 V rated value • at 60 V rated value • at 24 V rated value • at 60 V rated value • at 10 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 100 V rated value | 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.9 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts 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 690 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 24 V rated value • at 25 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 48 V rated value • at 24 V rated value • at 48 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value | 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts 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 690 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 10 V rated value • at 110 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value • at 48 V rated value • at 24 V rated value • at 24 V rated value • at 220 V rated value • at 48 V rated value • at 60 V rated value • at 10 V rated value • at 10 V rated value | 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A |
| Auxiliary circuit number of NC 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 690 V rated value • at 690 V rated value • at 48 V rated value • at 230 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 25 V rated value • at 10 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 600 V rated value • at 220 V rated value • at 125 V rated value • at 125 V rated value • at 125 V rated value • at 600 V rated value< | 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 1 A 0.15 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts 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 690 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 10 V rated value • at 110 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value • at 48 V rated value • at 24 V rated value • at 24 V rated value • at 220 V rated value • at 48 V rated value • at 60 V rated value • at 10 V rated value • at 10 V rated value | 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A |

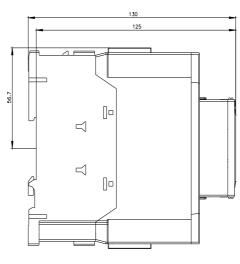
| at 480 V rated value | 65 A | | | |
|---|--|--|--|--|
| at 600 V rated value | 52 A | | | |
| yielded mechanical performance [hp] | | | | |
| for single-phase AC motor | | | | |
| — at 110/120 V rated value | 5 hp | | | |
| — at 230 V rated value | 10 hp | | | |
| for 3-phase AC motor | | | | |
| — at 200/208 V rated value | 20 hp | | | |
| — at 220/230 V rated value | 20 hp | | | |
| — at 460/480 V rated value | 50 hp | | | |
| — at 575/600 V rated value | 50 hp | | | |
| contact rating of auxiliary contacts according to UL | A600 / Q600 | | | |
| Short-circuit protection | | | | |
| design of the fuse link | | | | |
| for short-circuit protection of the main circuit | | | | |
| — with type of coordination 1 required | gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA) | | | |
| — with type of assignment 2 required | gG: 125A (690V,100kA), aM: 63A (690V,100kA), BS88: 100A (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 DIN rail according to DIN EN 60715 | | | |
| side-by-side mounting | Yes | | | |
| height | 114 mm | | | |
| width | 55 mm | | | |
| depth | 174 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 | screw-type terminals | | | |
| for auxiliary and control circuit | screw-type terminals | | | |
| at contactor for auxiliary contacts | Screw-type terminals | | | |
| of magnet coil | Screw-type terminals | | | |
| type of connectable conductor cross-sections for main contacts | | | | |
| solid or stranded | 2x (1 35 mm²), 1x (1 50 mm²) | | | |
| finely stranded with core end processing | 2x (1 35 mm ²), 1x (1 35 mm ²) | | | |
| connectable conductor cross-section for main contacts | $2 \times (1 \dots 20 \dots 1), 1 \times (1 \dots 00 \dots 1)$ | | | |
| | 1 35 mm² | | | |
| finely stranded with core end processing | | | | |
| connectable conductor cross-section for auxiliary contacts | 0.5 2.5 mm ² | | | |
| solid or stranded | 0.5 2.5 mm ² | | | |
| finely stranded with core end processing | 0.5 2.5 mm² | | | |
| type of connectable conductor cross-sections | | | | |
| for auxiliary contacts | | | | |
| — solid or stranded | 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) | | | |
| finely stranded with core end processing | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) | | | |

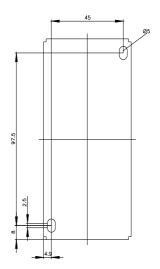
| for AWG cables | for AWG cables for auxiliary contacts | | 2x (20 16), 2x (18 14) | | | |
|--|---|------------------------|------------------------------|--|--|--|
| AWG number as code section | AWG number as coded connectable conductor cross | | | | | |
| for main contacts | | 18 1 | | | | |
| for auxiliary cont | for auxiliary contacts | | 20 14 | | | |
| Safety related data | | | | | | |
| product function | | | | | | |
| mirror contact ad | ccording to IEC 60947-4-1 | | Yes | | | |
| positively driven | operation according to IEC | 60947-5-1 | No | | | |
| suitability for use safet | y-related switching OFF | | Yes | | | |
| | mand rate according to SN | 1 31920 | 1 000 000 | | | |
| proportion of danger | | | | | | |
| | d rate according to SN 319 | | 40 % | | | |
| | nd rate according to SN 319 | | 73 % | | | |
| | w demand rate according | | 100 FIT | | | |
| 61508 | interval or service life acco | - | 20 a | | | |
| • | n the front according to I | | IP20 | | | |
| - | he front according to IEC | 60529 | finger-safe, for vertical co | ontact from the front | | |
| Certificates/ approvals | | | | | | |
| General Product App | oroval | | | | | |
| | <u>Confirmation</u> | | | KC | EHC | |
| EMC | Functional Safety/Safety of Ma- chinery | Declaration of | Conformity | Test Certificates | | |
| RCM | <u>Type Examination Cer-</u> <u>tificate</u> | CE EG-Konf. | UK CA | <u>Special Test Certific-</u> ate | <u>Type Test Certific-</u> ates/Test Report | |
| Marine / Shipping | | | | | | |
| ABS | B UREAU VERITAS | | Hoyds Register urs | PRS | RINA | |
| Marine / Shipping | other | Railway | Dangerous Goo | d Environment | | |
| RMRS | <u>Confirmation</u> | <u>Vibration and S</u> | hock Transport Informa | <u>ation Environmental Con-</u> <u>firmations</u> | | |
| Further information | | | | | | |

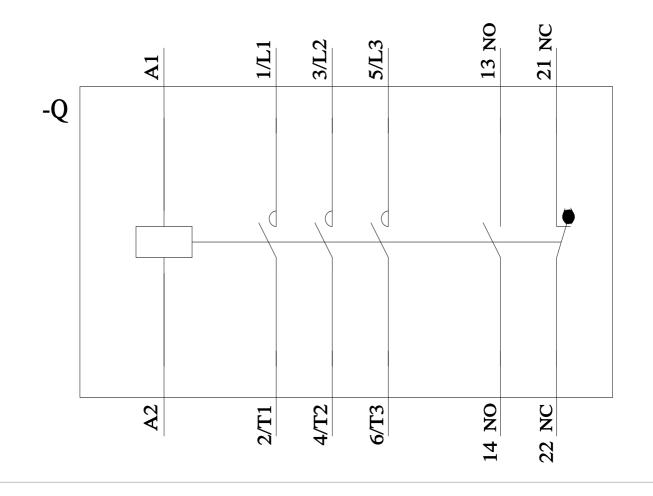
Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus). 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=3RT2037-1AN60 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2037-1AN60

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