SIEMENS

Data sheet

3RT2017-1AF01



power contactor, AC-3e/AC-3, 12 A, 5.5 kW / 400 V, 3-pole, 110 V AC, 50/60 Hz, auxiliary contacts: 1 NO, screw terminal, size: S00

| product brand name SIRUS product brand designation Power contactor product type designation SRT2 canard technical data S00 product stansion No • function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current 1.5 W • at AC in hot operating state 1.5 W • at AC in hot operating state per pole 0.5 W • without load current share typical 5.7 W insultation voltage 690 V • of main circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 8 kV • of contactor kips tesperation between coll and main contacts according to EN 80947-1 400 V • at AC 7.3g / 5 ms, 7.3g / 10 ms mechanical service life (operating cycles) 5000 000 • of contactor with added auxilary switch block typical <th></th> <th></th> | | |
|---|---|----------------------------|
| product type designation 3RT2 General technical data S00 size of contactor S00 product extension No • dancting switch Yes power loss [W] for rated value of the current 1.5 W • at AC in hot operating state 1.5 W • at AC in hot operating state per pole 0.5 W • without load current share typical 5.7 W insultation voltage 690 V • of main circult with degree of pollution 3 rated value 690 V • of auxiliary circult value 690 V • of auxiliary circult value 6 kV • of auxiliary circult rated value 6 kV • of auxiliary switch 5 00 00 V stock resistance at cotangular impulse 6 kV • at AC 7.3g / 5 ms, 4.7g / 10 ms shock resistance with sine pulse 11.4g / 5 ms, 7.3g / 10 ms • of contactor typical 30 000 000 • of the contactor with added auxil | product brand name | SIRIUS |
| General technical data S00 size of contactor S00 product extension No • auxiliary switch Yes power loss [W] for rated value of the current • at AC in hot operating state 1.5 W • at AC in hot operating state 0.5 W • without load current share typical 5.7 W Insulation voltage 680 V • of main circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit with degree of pollution 3 rated value 640 V • of auxiliary circuit with degree of pollution 3 rated value 640 V • of main circuit rated value 64V • of auxiliary circuit rated value 64V • at AC 7.3g / 5 ms, 4.7g / 10 ms machinum permissible voltage for protective separation between coll and main contactor with added electronically optimized auxiliary switch block typical • at AC 11,4g / 5 ms, 7.3g / 10 ms mechanical service life (operating cycles) 5000 000 • of the contactor with added auxiliary switch block typical 10000 000 reference code according to IEC 81346-2 Q <t< th=""><th>product designation</th><th>Power contactor</th></t<> | product designation | Power contactor |
| size of contactor \$00 product extension • function module for communication No • auxilary switch Yes power loss [W] for rated value of the current • 1.5 W • at AC in hot operating state per pole 0.5 W • without load current share typical 5.7 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 auxillary surface biologies 7.3g / 5 ms, 4.7g / 10 ms shock resistance withs ine pulse 11.4g / 5 ms, 7.3g / 10 ms • of the contactor with added electronically optimized 30 000 000 • of the contactor with added electronically optimized 1000 000 < | product type designation | 3RT2 |
| product extension No • function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current 1.5 W • at AC in hot operating state prole 0.5 W • withoot load current share typical 5.7 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 rated value 6 kV • of main contacts according to EN 60947-1 shock resistance at rectangular impulse 7.3g / 5 ms, 7.3g / 10 ms • at AC 11.4g / 5 ms, 7.3g / 10 ms mechanical service life (operating cycles) 30 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 0 0 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with a | General technical data | |
| • function module for communication No • auxillary switch Yes power loss [W] for rated value of the current - • at AC in hot operating state 1.5 W • at AC in hot operating state per pole 0.5 W • 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 64 kV • of main circuit rated value 6 kV • of main circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • at AC 7,3g / 5 ms, 4,7g / 10 ms • shock resistance with sine pulse 30 000 000 • of the contactor which added auxiliary switch block typical 10 000 000 • of the contactor which added auxiliary switch block typical 10 000 000 • of the contactor which added auxiliary switch block typical 10 000 000 | size of contactor | S00 |
| • auxiliary switch Yes power loss [W] for rated value of the current 1.5 W • at AC in hot operating state er pole 0.5 W • at AC in hot operating state per pole 0.5 W • without load current share typical 5.7 W insuliary circuit with degree of pollution 3 rated value 690 V • of main circuit rated value 690 V • of main circuit rated value 690 V • of main circuit rated value 64V • of auxiliary circuit with degree of pollution 3 rated value 64V • of auxiliary circuit value 6 kV • at AC 7.3g / 5 ms, 7.3g / 10 ms shock resistance at rectangular impulse 11.4g / 5 ms, 7.3g / 10 ms • at AC 11.4g / 5 ms, 7.3g / 10 ms • of contactor typical 30 000 000 • of the contactor with added electonically 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 | product extension | |
| power loss [W] for rated value of the current 1.5 W • at AC in hot operating state per pole 0.5 W • without load current share typical 5.7 W insulation voltage 690 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 auxiliary circuit rated value 6 kV • of main circuit with degree of polletion 5 rated value 6 kV • of auxiliary circuit rated value 6 kV • at AC 7.3g / 5 ms, 4.7g / 10 ms shock resistance with sine pulse 11.4g / 5 ms, 7.3g / 10 ms • at AC 11.4g / 5 ms, 7.3g / 10 ms mechanical service life (operating cycles) 5 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10/00 1/2009 | function module for communication | No |
| • at AC in hot operating state prole 1.5 W • at AC in hot operating state prole 0.5 W • without load current share typical 5.7 W insultation voltage 690 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 auxiliary circuit rated value 6 kV • of auxiliary strict block typical 400 V • at AC 7.3g / 5 ms, 4.7g / 10 ms shock resistance with sine pulse 11.4g / 5 ms, 7.3g / 10 ms • at AC 11.4g / 5 ms, 7.3g / 10 ms • of the contactor with added electronically optimized 30 000 000 • of the contactor with added electronically optimized 10 000 000 • of the | auxiliary switch | Yes |
| • at AC in hot operating state per pole 0.5 W • without load current share typical 5.7 W insulation voltage 6 • 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 • at AC 7.3g / 5 ms, 4.7g / 10 ms shock resistance at rectangular impulse 11.4g / 5 ms, 7.3g / 10 ms • at AC 11.4g / 5 ms, 7.3g / 10 ms mechanical service life (operating cycles) 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 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346- | power loss [W] for rated value of the current | |
| without load current share typical if the sulation voltage if and nicroult with degree of pollution 3 rated value if and nicroult with degree of pollution 3 rated value if auxiliary circuit with degree of pollution 3 rated value if auxiliary circuit with degree of pollution 3 rated value if auxiliary circuit with degree of pollution 3 rated value if auxiliary circuit with degree of pollution 3 rated value if auxiliary circuit with degree of pollution 3 rated value if auxiliary circuit with degree of pollution 3 rated value if auxiliary circuit with degree of pollution 3 rated value if auxiliary circuit with degree of pollution 3 rated value if auxiliary circuit rated value if auxiliary switch block typical if auxi | at AC in hot operating state | 1.5 W |
| insulation voltage 690 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 surge voltage resistance 690 V • of main circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • at AC 7,3g / 5 ms, 4,7g / 10 ms shock resistance with sine pulse 11,4g / 5 ms, 7,3g / 10 ms • at AC 11,4g / 5 ms, 7,3g / 10 ms mechanical service life (operating cycles) 30 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 reference code according to IEC 8136-2 Q Substance Prohibitance (Date) 10/01/2009 Ambient temperature 0 00 m ambient temperature -55 +60 °C • during storage -55 +80 °C relative humidity at 55 °C according to IEC 60068-2-30 <t< th=""><th> at AC in hot operating state per pole </th><th>0.5 W</th></t<> | at AC in hot operating state per pole | 0.5 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 surge voltage resistance 68 V • of main circuit rated value 6 kV maximum permissible voltage for protective separation between coil and main contacts according to EN 60847-1 400 V shock resistance at rectangular impulse 7,3g / 5 ms, 4,7g / 10 ms • at AC 7,3g / 5 ms, 4,7g / 10 ms shock resistance with sine pulse 11.4g / 5 ms, 7,3g / 10 ms • at AC 11.4g / 5 ms, 7,3g / 10 ms mechanical service life (operating cycles) 30 000 000 • 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) 10/01/2009 Ambient conditions -25 +60 °C • during operation -25 +60 °C • during storage -55 +60 °C <th> without load current share typical </th> <th>5.7 W</th> | without load current share typical | 5.7 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 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 7,3g / 5 ms, 4,7g / 10 ms shock resistance with sine pulse 11,4g / 5 ms, 7,3g / 10 ms • of contactor typical 30 000 000 • of the contactor with added electronically optimized auxiliary witch 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 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during storage -55 +60 °C • during storage -55 +60 °C | insulation voltage | |
| surge voltage resistance 6 • 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 6 kV • at AC 7,3g / 5 ms, 4,7g / 10 ms shock resistance with sine pulse 30 000 000 • at AC 11,4g / 5 ms, 7,3g / 10 ms mechanical service life (operating cycles) 30 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10/001/2009 Ambient conditions 10/01/2009 installation altitude at height above sea level maximum 2 000 m ambient temperature -55 +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 7,3g / 5 ms, 4,7g / 10 ms shock resistance with sine pulse 7,3g / 5 ms, 7,3g / 10 ms • at AC 11,4g / 5 ms, 7,3g / 10 ms mechanical service life (operating cycles) 30 000 000 • of the 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) 10/01/2009 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 7,3g / 5 ms, 4,7g / 10 ms shock resistance with sine pulse - • at AC 11,4g / 5 ms, 7,3g / 10 ms mechanical service life (operating cycles) - • of contactor typical 30 000 000 • 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) 10/01/2009 Amblent conditions 2 000 m 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 at 55 °C according to IEC 60068-2-30 95 % Main circuit 95 % | surge voltage resistance | |
| maximum permissible voltage for protective separation between 400 V shock resistance at rectangular impulse 7,3g / 5 ms, 4,7g / 10 ms • at AC 7,3g / 5 ms, 4,7g / 10 ms shock resistance with sine pulse 11,4g / 5 ms, 7,3g / 10 ms • at AC 11,4g / 5 ms, 7,3g / 10 ms mechanical service life (operating cycles) 30 000 000 • of contactor typical 30 000 000 • 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) 10/01/2009 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -55 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % 95 % 95 % | of main circuit rated value | 6 kV |
| coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC 7,3g / 5 ms, 4,7g / 10 ms shock resistance with sine pulse • at AC 11,4g / 5 ms, 7,3g / 10 ms mechanical service life (operating cycles) 30 000 000 • 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) 10/01/2009 Ambient conditions 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 95 % Main circuit | of auxiliary circuit rated value | 6 kV |
| • at AC 7,3g / 5 ms, 4,7g / 10 ms shock resistance with sine pulse 11,4g / 5 ms, 7,3g / 10 ms • at AC 11,4g / 5 ms, 7,3g / 10 ms mechanical service life (operating cycles) 30 000 000 • of contactor typical 30 000 000 • 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) 10/01/2009 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 40 min circuit | | 400 V |
| shock resistance with sine pulse 11,4g / 5 ms, 7,3g / 10 ms mechanical service life (operating cycles) 0 f contactor typical • of contactor typical 30 000 000 • 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) 10/01/2009 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 % maximum 95 % | shock resistance at rectangular impulse | |
| • at AC11,4g / 5 ms, 7,3g / 10 msmechanical service life (operating cycles)30 000 000• of contactor typical30 000 000• of the contactor with added electronically optimized 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 000 000• 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 typical20 000 m• of the contactor with added auxiliary switch block typical10/01/2009• Ambient conditions2 000 m• installation altitude at height above sea level maximum2 000 m• during operation • during operation • during storage-25 +60 °C• during storage relative humidity minimum10 %• feative humidity at 55 °C according to IEC 60068-2-30 maximum95 % | • at AC | 7,3g / 5 ms, 4,7g / 10 ms |
| mechanical service life (operating cycles) 30 000 000 • of contactor typical 30 000 000 • 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) 10/01/2009 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 95 % Main circuit Main circuit | shock resistance with sine pulse | |
| • of contactor typical30 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)10/01/2009Ambient conditions2 000 minstallation altitude at height above sea level maximum2 000 mambient temperature • during operation • during storage-25 +60 °Crelative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum95 % | • at AC | 11,4g / 5 ms, 7,3g / 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) 10/01/2009 Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature during operation -25 +60 °C -55 +80 °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) 10/01/2009 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 | 30 000 000 |
| reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009 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) 10/01/2009 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 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 % | 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) | 10/01/2009 |
| 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 % maximum 95 % Main circuit 95 % | during storage | -55 +80 °C |
| maximum Main circuit | relative humidity minimum | 10 % |
| | | 95 % |
| number of poles for main current circuit 3 | Main circuit | |
| | number of poles for main current circuit | 3 |

| number of NO contacts for main contacts | 3 |
|---|-------------------|
| operating voltage | |
| at AC-3 rated value maximum | 690 V |
| at AC-3e rated value maximum | 690 V |
| operational current | |
| • at AC-1 at 400 V at ambient temperature 40 °C rated | 22 A |
| value | |
| • at AC-1 | |
| — up to 690 V at ambient temperature 40 °C rated value | 22 A |
| — up to 690 V at ambient temperature 60 °C rated | 20 A |
| value | |
| • at AC-3 | |
| — at 400 V rated value | 12 A |
| — at 500 V rated value | 9.2 A |
| — at 690 V rated value | 6.7 A |
| ● at AC-3e | |
| — at 400 V rated value | 12 A |
| — at 500 V rated value | 9.2 A |
| — at 690 V rated value | 6.7 A |
| • at AC-4 at 400 V rated value | 8.5 A |
| • at AC-5a up to 690 V rated value | 19.4 A |
| • at AC-5b up to 400 V rated value | 9.9 A |
| ● at AC-6a | |
| — up to 230 V for current peak value n=20 rated value | 7.2 A |
| — up to 400 V for current peak value n=20 rated value | 7.2 A |
| — up to 500 V for current peak value n=20 rated value | 7.2 A |
| — up to 690 V for current peak value n=20 rated value | 6.7 A |
| ● at AC-6a | |
| — up to 230 V for current peak value n=30 rated value | 4.8 A |
| — up to 400 V for current peak value n=30 rated value | 4.8 A |
| — up to 500 V for current peak value n=30 rated value | 4.8 A |
| — up to 690 V for current peak value n=30 rated value | 4.8 A |
| minimum cross-section in main circuit at maximum AC-1 rated value | 4 mm ² |
| operational current for approx. 200000 operating cycles at AC-4 | |
| at 400 V rated value | 4.1 A |
| at 690 V rated value | 3.3 A |
| operational current | |
| at 1 current path at DC-1 | |
| — at 24 V rated value | 20 A |
| — at 60 V rated value | 20 A |
| — at 110 V rated value | 2.1 A |
| — at 220 V rated value | 0.8 A |
| — at 440 V rated value | 0.6 A |
| — at 600 V rated value | 0.6 A |
| • with 2 current paths in series at DC-1 | |
| — at 24 V rated value | 20 A |
| — at 60 V rated value | 20 A |
| — at 110 V rated value | 12 A |
| — at 220 V rated value | 1.6 A |
| — at 440 V rated value | 0.8 A |
| — at 600 V rated value | 0.7 A |
| with 3 current paths in series at DC-1 | |
| — at 24 V rated value | 20 A |
| — at 60 V rated value | 20 A |
| — at 110 V rated value | 20 A |
| — at 220 V rated value | 20 A |
| — at 440 V rated value | 1.3 A |
| — at 600 V rated value | 1 A |
| • at 1 current path at DC-3 at DC-5 | |
| | |

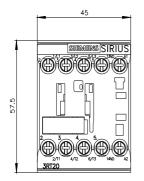
| | — at 24 V rated value | 20 A |
|---|---|---|
| • with 2 current path in scries at DC-3 at DC-6 20 A - at 20 V rated value 20 A - at 10 V rated value 0.35 A - at 24 V rated value 20 A - at 25 V rated value 22 A - at 250 V rated value 28 M - at 260 V rated value 55 MV - at 260 V rated value 55 MV - at 250 V rated value 55 MV - at 400 V rated value 25 MV - at 400 V rated value 25 MV - at 400 V rated value 25 MV - at 400 V frated value 25 MV - at 400 V frated value 25 MV | | |
| | | 0.15 A |
| | - | |
| | — at 24 V rated value | 20 A |
| • with 3 current paths in series at DC-3 at DC-5 20 A - at 24 V rated value 20 A - at 10 V rated value 20 A - at 26 V rated value 20 A - at 26 V rated value 20 A - at 26 V rated value 15 A - at 26 V rated value 02 A - at 26 V rated value 55 KW - at 26 V rated value 25 KW - at 26 V rated value 26 K/A - up 5 26 V for currant pack value n=20 rated value 28 K/A | — at 60 V rated value | 5 A |
| | — at 110 V rated value | 0.35 A |
| | with 3 current paths in series at DC-3 at DC-5 | |
| | — at 24 V rated value | 20 A |
| | — at 60 V rated value | 20 A |
| | — at 110 V rated value | 20 A |
| | — at 220 V rated value | 1.5 A |
| operating power at AC-3 at AC-3 bt AC-3 cl 230 V rated value cl 250 V rated value cl 400 V frated value cl 400 V frate value = 20 rated value cl 400 V frate value = 20 rated value cl 400 V frate value = 20 rated value cl 400 V fracturent pack value n=20 rated value cl 400 V fracturent pack value n=20 rated value cl 400 V fracturent pack value = 20 rated value cl 40 co 20 V for current pack value = 70 rated value cl 40 co 20 V for current pack value = 70 rated value cl 40 co 20 V for current pack value = 70 rated value cl 40 co 10 for current pack value = 70 rated value cl 40 co 10 for current pack value = 70 rated value cl 40 co 10 for current pack value = 70 rated value cl 40 co 10 for current pack value = 70 rated value cl 40 co 10 for current pack value = 70 rated value cl 40 co 10 for current pack value = 70 rated val | — at 440 V rated value | 0.2 A |
| • at AC-3 - at 230 V rated value 3 kW - at 400 V rated value 55 kW - at 500 V rated value 55 kW - at 200 V rated value 55 kW - at 400 V rated value 2 kW - at 400 V rated value 2 kW - at 500 V frauer the pack value n=20 rated value 2 kW - up to 500 V for current pack value n=20 rated value 2 kWA - up to 500 V for current pack value n=20 rated value 8 kVA - up to 500 V for current pack value n=20 rated value 3 kWA - up to 500 V for current pack value n=20 rated value 3 kWA - up to 500 V for current pack value n=30 rated value 3 kWA - up to 500 V for current pack value n=30 rated value 3 kVA - up to 500 V for current pack value n=30 rated value 14 kVA - up to 500 V for current pack value n=30 rated value 14 kVA - up to 500 V for current pack value n=30 rated value | — at 600 V rated value | 0.2 A |
| | operating power | |
| | • at AC-3 | |
| | — at 230 V rated value | 3 kW |
| | — at 400 V rated value | 5.5 kW |
| e at AC-3e - at 230 V reted value 3 kW - at 230 V reted value 5 kW - at 690 V reted value 2 kW - at 690 V for current peak value n=20 reted value 4 kVA - up to 500 V for current peak value n=20 reted value - kVA - up to 600 V for current peak value n=20 reted value - kVA - up to 600 V for current peak value n=20 reted value - wip to 600 V for current peak value n=30 reted value - wip to 600 V for current peak value n=30 reted value - kVA - up to 600 V for current peak value n=30 reted value - KVA - wip to 600 V for current peak value n=30 reted value - KVA - wip to 600 V for current peak value n=30 reted value - KVA - wip to 500 V for current peak value n=30 reted value - KVA - wip to 500 v for current maximum - with co 5 is switching at zero current maximum - with co 5 is switching at zero current maximum - with co 5 is switching at zero current maximum - with Co - with CA - wit | — at 500 V rated value | 5.5 kW |
| e at AC-3e - at 230 V reted value 3 kW - at 230 V reted value 5 kW - at 690 V reted value 5 kW operating power for approx. 20000 operating cycles at AC-4 - at 690 V reted value 2 kW - at 690 V reted value 2 kW - at 690 V for current peak value n=20 reted value - 4 kVA - up to 500 V for current peak value n=20 reted value - kVA - up to 690 V for current peak value n=20 reted value - kVA - up to 690 V for current peak value n=20 reted value - wip to 690 V for current peak value n=30 reted value - wip to 690 V for current peak value n=30 reted value - kVA - up to 690 V for current peak value n=30 reted value - KVA - wip to 690 V for current peak value n=30 reted value - KVA - wip to 690 V for current peak value n=30 reted value - KVA - wip to 690 V for current peak value n=30 reted value - KVA - wip to 590 V for current maximum - with 40 to 1 s switching at zero current maximum - with 40 to 3 s switching at zero current maximum - with 40 to 3 s switching at zero current maximum - with 40 to 3 s switching at zero current maximum - with 40 to 30 s switc | — at 690 V rated value | 5.5 kW |
| | | |
| | | 3 kW |
| | | 5.5 kW |
| | | |
| operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 2 kW • at 690 V rated value 2.5 kW operating apparent power at AC-6a 2.8 kVA • up to 230 V for current peak value n=20 rated value 2.8 kVA • up to 500 V for current peak value n=20 rated value 4.9 kVA • up to 500 V for current peak value n=20 rated value 6.2 kVA • up to 500 V for current peak value n=30 rated value 8 kVA operating apparent power at AC-6a 1.9 kVA • up to 500 V for current peak value n=30 rated value 3.3 kVA • up to 500 V for current peak value n=30 rated value 3.3 kVA • up to 500 V for current peak value n=30 rated value 5.7 kVA Short-time withtsand current in cold operating state up to 50° 60° kV for current meakimum • limited to 10 s switching at zero current maximum 200 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value • at AC- 10 000 1/h • at AC- 10 000 1/h • at AC- 10 000 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 750 1/h | | |
| A dot V rated value at 690 V for current peak value n=20 rated value at 690 V for current peak value n=20 rated value by to 500 V for current peak value n=20 rated value by to 500 V for current peak value n=20 rated value by to 230 V for current peak value n=20 rated value by to 230 V for current peak value n=20 rated value by to 400 V for current peak value n=30 rated value by to 400 V for current peak value n=30 rated value by to 400 V for current peak value n=30 rated value by to 500 V for current peak value n=30 rated value by to 500 V for current peak value n=30 rated value by to 500 V for current peak value n=30 rated value by to 500 V for current peak value n=30 rated value by to 500 V for current peak value n=30 rated value by to 500 V for current peak value n=30 rated value by to 500 V for current peak value n=30 rated value by to 500 V for current peak value n=30 rated value by to 500 V for current peak value n=30 rated value by to 500 V for current peak value n=30 rated value by to 500 V for current peak value n=30 rated value by to 500 V for current peak value n=30 rated value by to 500 V for current peak value n=30 rated value by to 500 V for current peak value n=30 rated value by to 500 V for current peak value n=30 rated value by to 500 V for current peak value n=30 rated value by to 500 V for current peak value n=30 rated value by to 500 V for current peak value n=30 rated value for 40 °C by to for 500 V for current maximum by the for 50 value for 50 value by to for 500 V for current maximum by the for 50 s whiching at zero current maximum for 10 s switching fat zero current maximum for 10 walue if AC2 maximum foo 1/h operating frequency if AC for 40 value for 1 | | |
| • at 690 V rated value 2.5 kW operating apparent power at AC-6a 2.8 kVA • up to 230 V for current peak value n=20 rated value 4.9 kVA • up to 500 V for current peak value n=20 rated value 6.2 kVA • up to 500 V for current peak value n=20 rated value 6.2 kVA • up to 500 V for current peak value n=20 rated value 8 kVA operating apparent power at AC-6a 6.2 kVA • up to 500 V for current peak value n=20 rated value 8 kVA operating apparent power at AC-6a 9 kVA • up to 500 V for current peak value n=30 rated value 1.9 kVA • up to 500 V for current peak value n=30 rated value 3.3 kVA • up to 500 V for current peak value n=30 rated value 5.7 kVA short-time withstand current ne peak value n=30 rated value 5.7 kVA short-time withstand current maximum 200 A; Use minimum cross-section acc. to AC-1 rated value • limited to 1s switching at zero current maximum 123 k; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value • eintAC 10 wool t/h operating frequency 10 wool t/h • at AC 10 wool t/h operating frequency 10 wool t/h • at AC-3 maximum 750 t/h • at AC-3 m | | |
| operating apparent power at AC-6a 2.8 kVA • up to 230 V for current peak value n=20 rated value 4.9 kVA • up to 500 V for current peak value n=20 rated value 6.2 kVA • up to 690 V for current peak value n=20 rated value 8 kVA operating apparent power at AC-6a 1.9 kVA • up to 500 V for current peak value n=30 rated value 8 kVA • up to 500 V for current peak value n=30 rated value 3.3 kVA • up to 500 V for current peak value n=30 rated value 4.1 kVA • up to 500 V for current peak value n=30 rated value 5.7 kVA short-time withstand current in cold operating state up to 40° C 6.7 kVA • limited to 1 s switching at zero current maximum 200 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 123 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value | • at 400 V rated value | 2 kW |
| • up to 230 V for current peak value n=20 rated value 4.9 kVA • up to 400 V for current peak value n=20 rated value 4.9 kVA • up to 500 V for current peak value n=20 rated value 6.2 kVA • up to 500 V for current peak value n=20 rated value 6.2 kVA • up to 230 V for current peak value n=30 rated value 1.9 kVA • up to 500 V for current peak value n=30 rated value 1.9 kVA • up to 500 V for current peak value n=30 rated value 1.9 kVA • up to 500 V for current peak value n=30 rated value 1.9 kVA • up to 500 V for current peak value n=30 rated value 4.1 kVA • up to 500 V for current peak value n=30 rated value 5.7 kVA short-time withstand current in cold operating state up to 40 °C • limited to 1 s switching at zero current maximum 102 A; Use minimum cross-section acc. to AC-1 rated value • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • do °C • at AC- • at | • at 690 V rated value | 2.5 kW |
| up to 400 V for current peak value n=20 rated value 4.9 kVA up to 500 V for current peak value n=20 rated value 6.2 kVA up to 690 V for current peak value n=20 rated value 8 kVA operating apparent power at AC-6 up to 230 V for current peak value n=30 rated value 1.9 kVA 3.8 kVA up to 500 V for current peak value n=30 rated value 3.8 kVA up to 500 V for current peak value n=30 rated value 3.8 kVA up to 500 V for current peak value n=30 rated value 4.1 kVA up to 500 V for current peak value n=30 rated value 5.7 kVA short-time withstand current in cold operating state up to 40 °C limited to 1 s switching at zero current maximum limited to 1 s switching at zero current maximum limited to 30 s switching at zero current maximum short-time distring at zero current maximum limited to 50 s switching at zero current maximum de X: Use minimum cross-section acc. to AC-1 rated value de X: Use minimum cross-section acc. to AC-1 rated value de X: Use minimum cross-section acc. to AC-1 rated value de AC 10 000 1/h operating frequency et AC ta AC-1 maximum to 00 1/h et AC-3 maximum to 10 00 1/h et AC-4 maximum to 10 V et AC-4 maximum to V to Hz rated value <l< td=""><td>operating apparent power at AC-6a</td><td></td></l<> | operating apparent power at AC-6a | |
| • up to 500 V for current peak value n=20 rated value • up to 630 V for current peak value n=20 rated value 8 kVA operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value 19 kVA • up to 400 V for current peak value n=30 rated value 19 kVA • up to 500 V for current peak value n=30 rated value 3.3 kVA • up to 630 V for current peak value n=30 rated value 4.1 kVA • up to 630 V for current peak value n=30 rated value 5.7 kVA short-time withstand current in cold operating state up to 40 °C • limited to 1 s switching at zero current maximum * limited to 5 s switching at zero current maximum * limited to 50 s switching at zero current maximum * limited to 60 s switching at zero current maximum * limited to 80 s switching at zero current maximum * limited to 80 s switching at zero current maximum * limited to 80 s switching at zero current maximum * limited to 80 s switching at zero current maximum * limited to 80 s switching at zero current maximum * limited to 80 s switching at zero current maximum * limited to 80 s switching at zero current maximum * limited to 80 s switching at zero current maximum * limited to 80 s switching at zero current maximum * limited to 80 s switching frequency * at AC * 10 000 1/h * at AC * 10 000 1/h * at AC-4 maximum * 1000 1/h * at AC-3 maximum * 250 1/h * at AC-4 maximum * 250 1/h * at AC-4 maximum * 250 1/h * at AC-4 maximum * at AC | up to 230 V for current peak value n=20 rated value | 2.8 kVA |
| • up to 690 V for current peak value n=20 rated value 8 kVA operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value 1.9 kVA • up to 230 V for current peak value n=30 rated value 3.3 kVA • up to 500 V for current peak value n=30 rated value 4.1 kVA • up to 690 V for current peak value n=30 rated value 5.7 kVA short-time withstand current in cold operating state up to 40 °C • limited to 1 s switching at zero current maximum 120 A; Use minimum cross-section acc. to AC-1 rated value ilmited to 1 s switching at zero current maximum 123 A; Use minimum cross-section acc. to AC-1 rated value ilmited to 1 s switching at zero current maximum flimited to 80 s switching at zero current maximum ilmited to 10 s switching at zero current maximum flimited to 60 s switching at zer | up to 400 V for current peak value n=20 rated value | 4.9 kVA |
| operating apparent power at AC-6a 1.9 kVA • up to 230 V for current peak value n=30 rated value 3.8 kVA • up to 400 V for current peak value n=30 rated value 3.8 kVA • up to 590 V for current peak value n=30 rated value 4.1 kVA • up to 690 V for current peak value n=30 rated value 5.7 kVA short-time withstand current in cold operating state up to 40°C 0 • limited to 1 s switching at zero current maximum 200 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 96 A; Use minimum cross-section acc. to AC-1 rated value • limited to 30 s switching at zero current maximum 96 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 74 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value • at AC 10 000 1/h • at AC-1 maximum 1 000 1/h • at AC-2 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 250 1/h Control circuit/ Control 4C | up to 500 V for current peak value n=20 rated value | 6.2 kVA |
| • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value 3.3 kVA • up to 500 V for current peak value n=30 rated value 4.1 kVA • up to 500 V for current peak value n=30 rated value 5.7 kVA short-time withstand current in cold operating state up to 40 °C • ulinited to 1 s switching at zero current maximum 123 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum flimited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 60 s switching at zero current maximum • to 000 1/h • at AC-1 maximum • at AC-1 maximum • at AC-3 maximum • at AC-4 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 ma | up to 690 V for current peak value n=20 rated value | 8 kVA |
| • up to 400 V for current peak value n=30 rated value 3.3 kVA • up to 500 V for current peak value n=30 rated value 4.1 kVA • up to 690 V for current peak value n=30 rated value 5.7 kVA short-time withstand current in cold operating state up to 40°C 200 A; Use minimum cross-section acc. to AC-1 rated value • limited to 1 s switching at zero current maximum 200 A; Use minimum cross-section acc. to AC-1 rated value • limited to 5 s switching at zero current maximum 203 A; Use minimum cross-section acc. to AC-1 rated value • limited to 5 a switching at zero current maximum 96 A; Use minimum cross-section acc. to AC-1 rated value • limited to 3 o switching at zero current maximum 96 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value • at AC 10 000 1/h operating frequency 10 000 1/h • at AC-1 maximum 1000 1/h • at AC-3 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-3 maximum 200 1/h Control circuit/ Control Uto V • at AC-4 maximum 200 | operating apparent power at AC-6a | |
| • up to 500 V for current peak value n=30 rated value 4.1 kVA • up to 690 V for current peak value n=30 rated value 5.7 kVA short-time withstand current in cold operating state up to 40 °C 200 A; Use minimum cross-section acc. to AC-1 rated value • limited to 1 s switching at zero current maximum 200 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 96 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 96 A; Use minimum cross-section acc. to AC-1 rated value • limited to 30 s switching at zero current maximum 74 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 74 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 74 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 74 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 74 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 74 A; Use minimum cross-section acc. to AC-1 rated value • at AC 0 000 1/h 000 01/h • at AC-3 maximum 10 000 1/h • at AC-3 maximum < | up to 230 V for current peak value n=30 rated value | 1.9 kVA |
| • up to 690 V for current peak value n=30 rated value 5.7 kVA short-time withstand current in cold operating state up to 40 °C 200 A; Use minimum cross-section acc. to AC-1 rated value • limited to 1 s switching at zero current maximum 123 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 96 A; Use minimum cross-section acc. to AC-1 rated value • limited to 30 s switching at zero current maximum 74 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value • at AC 10 000 1/h operating frequency • • at AC-3 maximum 1000 1/h • at AC-3 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 250 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 250 1/h • at AC-4 maximum 250 | up to 400 V for current peak value n=30 rated value | 3.3 kVA |
| • up to 690 V for current peak value n=30 rated value5.7 kVAshort-time withstand current in cold operating state up to 40 °C5.7 kVA• limited to 1 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum123 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum96 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum74 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum61 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum61 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum61 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching frequency61 A; Use minimum cross-section acc. to AC-1 rated value• at AC10 000 1/h• at AC-1 maximum1000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h• control supply voltage at ACAC• control supply voltage at ACAC• at 50 Hz rated value110 V• at 60 Hz rated value110 V• at 60 Hz rated value110 V• operating range factor control supply voltage rated value of magnet coil at AC110 V | • up to 500 V for current peak value n=30 rated value | 4.1 kVA |
| short-time withstand current in cold operating state up to 40 °C 200 A; Use minimum cross-section acc. to AC-1 rated value • limited to 1 s switching at zero current maximum 123 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 96 A; Use minimum cross-section acc. to AC-1 rated value • limited to 30 s switching at zero current maximum 74 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 74 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value • at AC 10 000 1/h • at AC 10 000 1/h • at AC-1 maximum 1000 1/h • at AC-2 maximum 750 1/h • at AC-3 maximum 250 1/h • at AC-4 maximum 250 1/h • at AC-4 maximum 250 1/h • at S0 Hz rated value 110 V • at S0 Hz rated value 110 V • at 60 Hz rated value 110 V | | 5.7 kVA |
| 40 °C • limited to 1 s switching at zero current maximum 200 A; Use minimum cross-section acc. to AC-1 rated value • limited to 5 s switching at zero current maximum 123 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 96 A; Use minimum cross-section acc. to AC-1 rated value • limited to 30 s switching at zero current maximum 96 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 74 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching frequency 61 A; Use minimum cross-section acc. to AC-1 rated value • at AC 10 000 1/h • at AC-1 maximum 1 000 1/h • at AC-1 maximum 1 000 1/h • at AC-2 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 250 1/h Control circuit/ Control V type of voltage of the control supply voltage AC control supply voltage at AC 110 V • at 60 Hz rated value 1 | | |
| • limited to 5 s switching at zero current maximum123 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum96 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum74 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum61 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching frequency61 A; Use minimum cross-section acc. to AC-1 rated value• at AC10 000 1/hoperating frequency1 000 1/h• at AC-1 maximum1 000 1/h• at AC-3 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/h• at 50 Hz rated value110 V• at 60 Hz rated value110 V• at 60 Hz rated value110 V | | |
| • limited to 10 s switching at zero current maximum 96 A; Use minimum cross-section acc. to AC-1 rated value • limited to 30 s switching at zero current maximum 74 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value • looload switching frequency • at AC • at AC 10 000 1/h operating frequency • at AC-1 maximum • at AC-1 maximum 1 000 1/h • at AC-2 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 250 1/h Control circuit/ Control V type of voltage of the control supply voltage AC • at 50 Hz rated value 110 V • at 60 Hz rated value 110 V • at 60 Hz rated value 110 V | limited to 1 s switching at zero current maximum | 200 A; Use minimum cross-section acc. to AC-1 rated value |
| Iimited to 30 s switching at zero current maximum Iimited to 60 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value 61 A; Use minimum cross-section acc. to AC-1 rated value of magnet coil at AC <td> limited to 5 s switching at zero current maximum </td><td>123 A; Use minimum cross-section acc. to AC-1 rated value</td> | limited to 5 s switching at zero current maximum | 123 A; Use minimum cross-section acc. to AC-1 rated value |
| • limited to 60 s switching at zero current maximum 61 A; Use minimum cross-section acc. to AC-1 rated value no-load switching frequency 10 000 1/h • at AC 10 000 1/h operating frequency 1 000 1/h • at AC-1 maximum 1 000 1/h • at AC-2 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 250 1/h • at AC-4 maximum 250 1/h Control circuit/ Control AC type of voltage of the control supply voltage AC • at 50 Hz rated value 110 V • at 60 Hz rated value 110 V • at 60 Hz rated value 110 V | limited to 10 s switching at zero current maximum | 96 A; Use minimum cross-section acc. to AC-1 rated value |
| no-load switching frequency10 000 1/hoperating frequency-• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3e maximum750 1/h• at AC-3e maximum750 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximumACControl circuit/ Control | limited to 30 s switching at zero current maximum | 74 A; Use minimum cross-section acc. to AC-1 rated value |
| • at AC10 000 1/hoperating frequency• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/hControl circuit/ Controltype of voltage of the control supply voltageAC• at 50 Hz rated value110 V• at 60 Hz rated value110 V• operating range factor control supply voltage rated value of magnet coil at ACItem control supply voltage rated value | limited to 60 s switching at zero current maximum | 61 A; Use minimum cross-section acc. to AC-1 rated value |
| operating frequency1 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3e maximum750 1/h• at AC-3e maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximumAC• at AC-4 maximum110 V• at 50 Hz rated value110 V• at 60 Hz rated value110 V• operating range factor control supply voltage rated value of magnet coil at AC | no-load switching frequency | |
| • at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3e maximum750 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximumAC• at AC-4 maximum110 V• at 50 Hz rated value110 V• at 60 Hz rated value110 V• operating range factor control supply voltage rated value of magnet coil at AC | • at AC | 10 000 1/h |
| • at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/hControl circuit/ ControlACControl supply voltage at ACAC• at 50 Hz rated value110 V• at 60 Hz rated value110 Voperating range factor control supply voltage rated value of magnet coil at ACImagnet coil at AC | operating frequency | |
| • at AC-3 maximum750 1/h• at AC-3e maximum750 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/hControl circuit/ ControlAC• otrol supply voltage at ACAC• at 50 Hz rated value110 V• at 60 Hz rated value110 V• operating range factor control supply voltage rated value of magnet coil at AC110 V | • at AC-1 maximum | 1 000 1/h |
| • at AC-3e maximum750 1/h• at AC-4 maximum250 1/hControl circuit/ ControlACtype of voltage of the control supply voltageACcontrol supply voltage at AC110 V• at 50 Hz rated value110 V• at 60 Hz rated value110 Voperating range factor control supply voltage rated value of magnet coil at ACImagnet coil at AC | • at AC-2 maximum | 750 1/h |
| • at AC-4 maximum 250 1/h Control circuit/ Control type of voltage of the control supply voltage AC control supply voltage at AC • at 50 Hz rated value 110 V • at 60 Hz rated value 110 V operating range factor control supply voltage rated value of magnet coil at AC | • at AC-3 maximum | 750 1/h |
| Control circuit/ Control AC type of voltage of the control supply voltage AC control supply voltage at AC Intervention • at 50 Hz rated value 110 V • at 60 Hz rated value 110 V operating range factor control supply voltage rated value of magnet coil at AC Intervention | • at AC-3e maximum | 750 1/h |
| type of voltage of the control supply voltage AC control supply voltage at AC Image: Control supply voltage at AC • at 50 Hz rated value 110 V • at 60 Hz rated value 110 V operating range factor control supply voltage rated value of magnet coil at AC Image: Control supply voltage rated value of magnet coil at AC | • at AC-4 maximum | 250 1/h |
| control supply voltage at AC 110 V • at 50 Hz rated value 110 V • at 60 Hz rated value 110 V operating range factor control supply voltage rated value of magnet coil at AC 110 V | Control circuit/ Control | |
| control supply voltage at AC 110 V • at 50 Hz rated value 110 V • at 60 Hz rated value 110 V operating range factor control supply voltage rated value of magnet coil at AC 110 V | | AC |
| • at 50 Hz rated value 110 V 110 V 110 V 110 V 10 V 110 V 110 V 110 V | | |
| • at 60 Hz rated value 110 V operating range factor control supply voltage rated value of magnet coil at AC | | 110 V |
| operating range factor control supply voltage rated value of magnet coil at AC | | |
| magnet coil at AC | | |
| • at 50 Hz 0.8 1.1 | | |
| | • at 50 Hz | 0.8 1.1 |

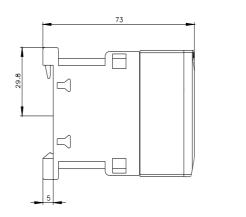
| • at 60 Hz | 0.85 1.1 |
|--|---|
| apparent pick-up power of magnet coil at AC | |
| • at 50 Hz | 37 VA |
| • at 60 Hz | 33 VA |
| inductive power factor with closing power of the coil | |
| ● at 50 Hz | 0.8 |
| ● at 60 Hz | 0.75 |
| apparent holding power of magnet coil at AC | |
| • at 50 Hz | 5.7 VA |
| ● at 60 Hz | 4.4 VA |
| inductive power factor with the holding power of the coil | |
| ● at 50 Hz | 0.25 |
| ● at 60 Hz | 0.25 |
| closing delay | |
| • at AC | 9 35 ms |
| opening delay | |
| • at AC | 4 15 ms |
| arcing time | 10 15 ms |
| control version of the switch operating mechanism | Standard A1 - A2 |
| Auxiliary circuit | |
| number of NO contacts for auxiliary contacts instantaneous | 1 |
| contact | |
| operational current at AC-12 maximum | 10 A |
| operational current at AC-15 | |
| • at 230 V rated value | 10 A |
| at 400 V rated value | 3 A |
| at 500 V rated value | 2 A |
| • at 690 V rated value | 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 125 V rated value | 2 A |
| at 220 V rated value | 1 A |
| at 600 V rated value | 0.15 A |
| operational current at DC-13 | |
| at 24 V rated value | 10 A |
| • at 48 V rated value | 2 A |
| at 60 V rated value | 2 A |
| • at 110 V rated value | 1 A |
| • at 125 V rated value | 0.9 A |
| • at 220 V rated value | 0.3 A |
| • at 600 V rated value | 0.1 A |
| contact reliability of auxiliary contacts | 1 faulty switching per 100 million (17 V, 1 mA) |
| UL/CSA ratings | |
| full-load current (FLA) for 3-phase AC motor | |
| • at 480 V rated value | 11 A |
| • at 600 V rated value | 11 A |
| yielded mechanical performance [hp] | |
| for single-phase AC motor | |
| — at 110/120 V rated value | 0.5 hp |
| — at 230 V rated value | 2 hp |
| • for 3-phase AC motor | |
| — at 200/208 V rated value | 3 hp |
| — at 220/230 V rated value | 3 hp |
| — at 460/480 V rated value | 7.5 hp |
| — at 575/600 V rated value | 10 hp |
| contact rating of auxiliary contacts according to UL | A600 / Q600 |
| Short-circuit protection | |
| design of the fuse link | |
| | |

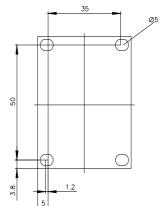
| • for short-circuit protection of the main circuit | | | |
|---|--|--|--|
| — with type of coordination 1 required | gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) | | |
| — with type of assignment 2 required | gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) | | |
| 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 | 58 mm | | |
| width | 45 mm | | |
| depth | 73 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 | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² | | |
| solid or stranded | 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² | | |
| finely stranded with core end processing | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) | | |
| connectable conductor cross-section for main contacts | | | |
| • solid | 0.5 4 mm² | | |
| • stranded | 0.5 4 mm² | | |
| finely stranded with core end processing | 0.5 2.5 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 mm² | | |
| type of connectable conductor cross-sections | | | |
| • for auxiliary contacts | | | |
| — solid or stranded | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 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), 2x 12 | | |
| AWG number as coded connectable conductor cross section | | | |
| for main contacts | 20 12 | | |
| for auxiliary contacts | 20 12 | | |
| Safety related data | | | |
| product function | | | |
| | Yes; with 3RH29 | | |
| mirror contact according to IEC 60947-4-1 B10 value with high demand rate according to SN 31920 | 1 000 000 | | |
| B10 value with high demand rate according to SN 31920 | | | |
| proportion of dangerous failures with low demand rate according to SN 31920 | 40 % | | |
| with how demand rate according to SN 31920 with high demand rate according to SN 31920 | 40 % 73 % | | |
| • with high demand rate according to SN 31920 | 15 /0 | | |

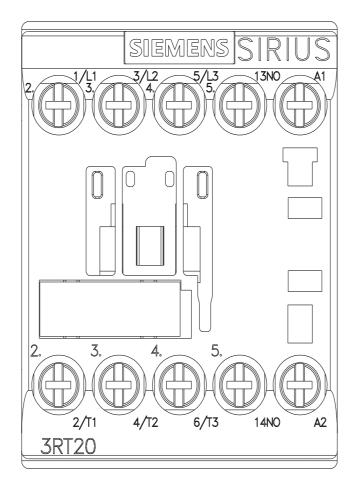
| failure rate [FIT] with lo | ow demand rate according | to SN 31920 | 100 FIT | | |
|--------------------------------------|---|----------------|--------------------------|--|--------------------------------------|
| T1 value for proof test 61508 | interval or service life acco | rding to IEC | 20 a | | |
| protection class IP o | n the front according to I | EC 60529 | IP20 | | |
| touch protection on | the front according to IEC | 60529 | finger-safe, for vertica | al contact from the front | |
| suitability for use | | | | | |
| safety-related s | witching OFF | | Yes | | |
| Certificates/ approvals | ; | | | | |
| General Product Ap | proval | | | | |
| (SP) | <u>Confirmation</u> | | | <u>кс</u> | EHC |
| EMC | Functional Safety/Safety of Ma- chinery | Declaration of | Conformity | Test Certificates | |
| RCM | Type Examination Cer- tificate | CE EG-Konf. | Uk Cf | Type Test Certific ates/Test Report | <u>Special Test Certific-</u> ate |
| Marine / Shipping | | | | | |
| ABS | BUREAU VERITAS | | Llovd Registe | Prs | RINA |
| Marine / Shipping | other | | | Railway | Environment |
| RMRS RMRS | <u>Confirmation</u> | DE | <u>Confirmat</u> | ion Vibration and Shoc | k Environmental Con- firmations |
| Further information | d to ovit the Pussian mark | | | | |

| 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=3RT2017-1AF01 |
| Cax online generator |
| http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2017-1AF01 |
| Service&Support (Manuals, Certificates, Characteristics, FAQs,) |
| https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-1AF01 |
| Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) |
| http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2017-1AF01⟨=en |
| Characteristic: Tripping characteristics, I ² t, Let-through current |
| https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-1AF01/char |
| Further characteristics (e.g. electrical endurance, switching frequency) |
| http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2017-1AF01&objecttype=14&gridview=view1 |
| |
| |

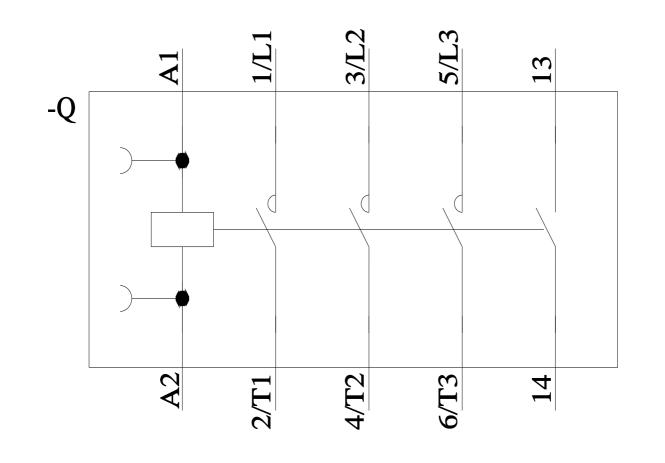








7/6/2023



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2/10/2023 🖸