SIEMENS

Product data sheet 3RT2036-3AB00



CONTACTOR,AC3:22KW/400V, 1NO+1NC, 24V AC 50HZ, 3-POLE, SIZE S2, SPRING-TYPE TERMINAL

| General technical data: | | |
|---|----|------------|
| | | CIDILIC |
| product brand name | | SIRIUS |
| Size of contactor | | S2 |
| Product expansion | | |
| Auxiliary switch | | Yes |
| function module for communication | | No |
| Protection class IP / on the front | | IP20 |
| Degree of pollution | | 3 |
| Installation altitude / at height above sea level / maximum | m | 2,000 |
| Ambient temperature | | |
| during storage | °C | -55 +80 |
| during operation | °C | -25 +60 |
| Surge voltage resistance / Rated value | kV | 6 |
| Insulation voltage / Rated value | V | 690 |
| maximum permissible voltage for safe isolation / between coil and main contacts / acc. to EN 60947-1 | V | 400 |
| Mechanical service life (switching cycles) | | |
| of the contactor / typical | | 10,000,000 |
| of the contactor with added auxiliary switch block / typical | | 10,000,000 |
| of the contactor with added electronics-compatible auxiliary switch block / typical | | 5,000,000 |

| Number of NC contacts / for main contacts Number of NO contacts / for main contacts Samuel | Main circuit: | | |
|--|---|-----|------|
| Connectable conductor cross-section / in main circuit • at AC-1 • at 40 °C / minimum permissible • at 60 °C / minimum permissible • at 60 °C / minimum permissible • at AC-1 / up to 690 V • at ambient temperature 40 °C / Rated value • at ambient temperature 60 °C / Rated value • at AC-2 / at 400 V / Rated value • at 600 V / Rated value • at 51 • at 500 V / Rated value • at 690 V / Rated value • at 110 V / Rated value • at 120 V / Rated value • at 220 V / Rated value • at 220 V / Rated value • at 24 V / Rated value • at 24 V / Rated value • at 24 V / Rated value • at 600 V / Rated value • at 220 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • at 600 V / Rated value • at 220 V / Rated value • at 220 V / Rated value • at 600 V / Rated | Number of NC contacts / for main contacts | | 0 |
| • at AC-1 • at 40 °C / minimum permissible • at 60 °C / minimum permissible • at 60 °C / minimum permissible • at AC-1 / up to 690 V • at ambient temperature 40 °C / Rated value • at ambient temperature 60 °C / Rated value • at ambient temperature 60 °C / Rated value • at AC-2 / at 400 V / Rated value • at 400 V / Rated value • at 500 V / Rated value • at 690 V / Rated value • at 400 V / Rated value • at 400 V / Rated value • at 690 V / Rated value • at 220 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • at 440 V / Rated value • at 420 V / Rated value • at 420 V / Rated value • at 440 V / Rated value • at 440 V / Rated value • at 440 V / Rated value • at 690 V / Rated value • at 440 V / Rated value • at 440 V / Rated value • at 440 V / Rated value • at 690 V / Rated value • at 440 V / Rated value • at 690 V / Rated value • at 440 V / Rated value • at 690 V / Rated value • at 440 V / Rat | Number of NO contacts / for main contacts | | 3 |
| • at 40 °C / minimum permissible • at 60 °C / minimum permissible • at 60 °C / minimum permissible 25 Operating current • at AC-1 / up to 690 V • at ambient temperature 40 °C / Rated value • at ambient temperature 60 °C / Rated value • at ambient temperature 60 °C / Rated value • at AC-2 / at 400 V / Rated value • at 400 V / Rated value • at 500 V / Rated value • at 690 V / Rated value • at 690 V / Rated value • at 690 V / Rated value • at 400 V / Rated value • at 690 V / Rated value • at 110 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • at 440 V / Rated value • at 440 V / Rated value • at 420 V / Rated value • at 420 V / Rated value • at 440 V / Rated value • at 600 V / Rated value • at 220 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • at 600 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • a | Connectable conductor cross-section / in main circuit | | |
| Operating current • at AC-1 / up to 690 V • at ambient temperature 40 °C / Rated value • at ambient temperature 80 °C / Rated value • at ambient temperature 80 °C / Rated value • at AC-2 / at 400 V / Rated value • at AC-3 • at 400 V / Rated value • at 500 V / Rated value • at 690 V / Rated value • at 690 V / Rated value • at AC-4 / at 400 V / Rated value • at AC-4 / at 400 V / Rated value • at 690 V / Rated value • at 400 V / Rated value • at 690 V / Rated value • with 1 current path / at DC-1 • at 24 V / Rated value • at 110 V / Rated value • at 440 V / Rated value • at 660 V / Rated value • at 660 V / Rated value • at 600 V / Rated value • at 600 V / Rated value • at 110 V / Rated value • at 110 V / Rated value • at 440 V / Rated value • at 600 V / Rated valu | • at AC-1 | | |
| Operating current • at AC-1 / up to 690 V • at ambient temperature 40 °C / Rated value A 70 • at ambient temperature 60 °C / Rated value A 60 • at AC-2 / at 400 V / Rated value A 51 • at AC-3 - at 400 V / Rated value • at 500 V / Rated value A 50 • at 690 V / Rated value A 24 • at 690 V / Rated value A 24 • at 400 V / Rated value A 24 • at 690 V / Rated value A 20 Operating current / for ≥ 200000 operating cycles / at AC-4 A 20 Operating current A 20 • with 1 current path / at DC-1 • at 24 V / Rated value A 4.5 • at 110 V / Rated value A 4.5 • at 220 V / Rated value A 0.4 • at 440 V / Rated value A 0.25 • with 2 current paths in series / at DC-1 A 60 • at 110 V / Rated value A 50 • at 110 V / Rated value A 50 • at 220 V / Rated value A 5 • at 220 V / Rated value A 5 • at 600 V / Rated value A 5 • at 600 V / Rated value A 55 • at 600 V / Rate | • at 40 °C / minimum permissible | mm² | 25 |
| • at AC-1 / up to 690 V • at ambient temperature 40 °C / Rated value • at ambient temperature 60 °C / Rated value • at AC-2 / at 400 V / Rated value • at AC-3 • 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 400 V / Rated value • at 690 V / Rated value • at 690 V / Rated value • at 110 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • at 600 V / Rated value • at 220 V / Rated value • at 220 V / Rated value • at 110 V / Rated value • at 440 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • at 220 V / Rated value • at 440 | • at 60 °C / minimum permissible | mm² | 25 |
| • at ambient temperature 40 °C / Rated value • at ambient temperature 60 °C / Rated value • at AC-2 / at 400 V / Rated value • at AC-3 • 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 400 V / Rated value • at 690 V / Rated value • at 690 V / Rated value • at 110 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • at 600 V / Rated value • at 110 V / Rated value • at 440 V / Rated value • at 220 V / Rated value • at 220 V / Rated value • at 110 V / Rated value • at 440 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • at 220 V / Rated value • at 440 | Operating current | | |
| • at ambient temperature 60 °C / Rated value • at AC-2 / at 400 V / Rated value • at AC-3 • 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 400 V / Rated value • at 400 V / Rated value • at 690 V / Rated value • at 400 V / Rated value • at 400 V / Rated value • at 400 V / Rated value • at 690 V / Rated value • at 690 V / Rated value • at 110 V / Rated value • at 220 V / Rated value • at 24 V / Rated value • at 440 V / Rated value • at 600 V / Rated value • at 110 V / Rated value • at 220 V / Rated value • at 600 V / Rated value • at 110 V / Rated value • at 220 V / Rated value • at 220 V / Rated value • at 220 V / Rated value • at 110 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • at 440 V / Rated value • at 440 V / Rated value • at 220 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • at 440 V / Rated value • at 440 V / Rated value • at 220 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • at 440 V / Rated value • at 440 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • at 440 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • at 440 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • at 440 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • a | • at AC-1 / up to 690 V | | |
| • at AC-2 / at 400 V / Rated value • at AC-3 • at 400 V / Rated value • at 500 V / Rated value • at 690 V / Rated value • at 690 V / Rated value • at 400 V / Rated value • at 690 V / Rated value • at 400 V / Rated value • at 400 V / Rated value • at 690 V / Rated value • at 24 • at 400 V / Rated value • at 24 V / Rated value • at 110 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • at 600 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 220 V / Rated value • at 440 V / Rated value • at 220 V / Rated value • at 440 V / Rated value | • at ambient temperature 40 °C / Rated value | Α | 70 |
| • at AC-3 • at 400 V / Rated value • at 500 V / Rated value • at 690 V / Rated value • at 690 V / Rated value • at AC-4 / at 400 V / Rated value A 41 Operating current / for ≥ 200000 operating cycles / at AC-4 • at 400 V / Rated value • at 690 V / Rated value • at 690 V / Rated value • with 1 current path / at DC-1 • at 24 V / Rated value • at 110 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • at 600 V / Rated value • at 110 V / Rated value • at 110 V / Rated value • at 220 V / Rated value • at 240 V / Rated value • at 440 V / Rated value • at 240 V / Rated value • at 250 V / Rated value • at 290 V / Rated value • at 290 V / Rated value • at 440 V / Rated value | • at ambient temperature 60 °C / Rated value | Α | 60 |
| • at 400 V / Rated value A 51 • at 500 V / Rated value A 50 • at 690 V / Rated value A 24 • at AC-4 / at 400 V / Rated value A 41 Operating current / for ≥ 200000 operating cycles / at AC-4 • at 400 V / Rated value A 24 • at 690 V / Rated value A 20 Operating current • with 1 current path / at DC-1 A 60 • at 24 V / Rated value A 4.5 • at 220 V / Rated value A 4.5 • at 440 V / Rated value A 0.4 • at 440 V / Rated value A 0.25 • with 2 current paths in series / at DC-1 A 45 • at 220 V / Rated value A 5 • at 440 V / Rated value A 1 • at 600 V / Rated value A 1 • at 600 V / Rated value A 5 • at 110 V / Rated value A 60 • at 220 V / Rated value A 55 • at 110 V / Rated value A 45 • at 220 V / Rated valu | • at AC-2 / at 400 V / Rated value | Α | 51 |
| • at 500 V / Rated value A 50 • at 690 V / Rated value A 24 • at AC-4 / at 400 V / Rated value A 41 Operating current / for ≥ 200000 operating cycles / at AC-4 • at 400 V / Rated value A 24 • at 690 V / Rated value A 20 Operating current • with 1 current path / at DC-1 A 60 • at 24 V / Rated value A 4.5 • at 110 V / Rated value A 2 • at 440 V / Rated value A 0.25 • with 2 current paths in series / at DC-1 A 60 • at 220 V / Rated value A 45 • at 220 V / Rated value A 5 • at 440 V / Rated value A 1 • at 600 V / Rated value A 1 • at 220 V / Rated value A 5 • at 110 V / Rated value A 55 • at 110 V / Rated value A 45 • at 220 V / Rated value A 45 • at 220 V / Rated value A 45 • at 440 V / Rated value </td <td>• at AC-3</td> <td></td> <td></td> | • at AC-3 | | |
| • at 690 V / Rated value A 24 • at AC-4 / at 400 V / Rated value A 41 Operating current / for ≥ 200000 operating cycles / at AC-4 • at 400 V / Rated value A 24 • at 690 V / Rated value A 20 Operating current • with 1 current path / at DC-1 A 60 • at 24 V / Rated value A 4.5 • at 220 V / Rated value A 2 • at 440 V / Rated value A 0.4 • at 600 V / Rated value A 60 • at 110 V / Rated value A 5 • at 220 V / Rated value A 5 • at 440 V / Rated value A 5 • at 600 V / Rated value A 1 • at 600 V / Rated value A 5 • at 440 V / Rated value A 5 • at 110 V / Rated value A 45 • at 220 V / Rated value A 45 • at 24 V / Rated value A 45 • at 110 V / Rated value A 45 • at 440 V / Rated value A | • at 400 V / Rated value | Α | 51 |
| • at AC-4 / at 400 V / Rated value A 41 Operating current / for ≥ 200000 operating cycles / at AC-4 A 24 • at 400 V / Rated value A 20 Operating current A 20 • with 1 current path / at DC-1 A 60 • at 24 V / Rated value A 4.5 • at 220 V / Rated value A 2 • at 440 V / Rated value A 0.4 • at 600 V / Rated value A 0.25 • with 2 current paths in series / at DC-1 A 60 • at 110 V / Rated value A 45 • at 220 V / Rated value A 5 • at 440 V / Rated value A 5 • with 3 current paths in series / at DC-1 A 55 • at 110 V / Rated value A 55 • at 110 V / Rated value A 45 • at 220 V / Rated value A 45 • at 220 V / Rated value A 45 • at 24 V / Rated value A 45 • at 220 V / Rated value A 45 • at 220 V / Rated value A < | at 500 V / Rated value | Α | 50 |
| Operating current / for ≥ 200000 operating cycles / at AC-4 | • at 690 V / Rated value | Α | 24 |
| • at 400 V / Rated value • at 690 V / Rated value A 20 Operating current • with 1 current path / at DC-1 • at 24 V / Rated value • at 110 V / Rated value • at 220 V / Rated value • at 440 V / Rated value • at 600 V / Rated value • at 110 V / Rated value • at 24 V / Rated value • at 24 V / Rated value • at 24 V / Rated value • at 200 V / Rated value • at 110 V / Rated value • at 200 V / Rated value • at 440 V / Rated value • at 440 V / Rated value • at 200 V / Rated value | • at AC-4 / at 400 V / Rated value | Α | 41 |
| • at 690 V / Rated value Operating current • with 1 current path / at DC-1 • at 24 V / Rated value • at 110 V / Rated value • at 220 V / Rated value • at 600 V / Rated value • at 110 V / Rated value • at 24 V / Rated value • at 110 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 440 V / Rated value • at 440 V / Rated value • at 220 V / Rated value • at 220 V / Rated value • at 24 V / Rated value • at 220 V / Rated value | Operating current / for ≥ 200000 operating cycles / at AC-4 | | |
| Operating current • with 1 current path / at DC-1 • at 24 V / Rated value A 60 • at 110 V / Rated value A 4.5 • at 220 V / Rated value A 0.4 • at 440 V / Rated value A 0.25 • with 2 current paths in series / at DC-1 A 60 • at 110 V / Rated value A 45 • at 220 V / Rated value A 5 • at 440 V / Rated value A 1 • at 600 V / Rated value A 0.8 • with 3 current paths in series / at DC-1 A 55 • at 110 V / Rated value A 55 • at 110 V / Rated value A 45 • at 220 V / Rated value A 45 • at 220 V / Rated value A 45 • at 220 V / Rated value A 45 • at 240 V / Rated value A 45 | • at 400 V / Rated value | Α | 24 |
| with 1 current path / at DC-1 at 24 V / Rated value at 110 V / Rated value at 220 V / Rated value at 440 V / Rated value at 600 V / Rated value at 600 V / Rated value at 24 V / Rated value at 24 V / Rated value at 210 V / Rated value at 210 V / Rated value at 220 V / Rated value at 220 V / Rated value at 440 V / Rated value at 600 V / Rated value at 600 V / Rated value at 24 V / Rated value at 440 V / Rated value at 24 V / Rated value at 220 V / Rated value | • at 690 V / Rated value | Α | 20 |
| at 24 V / Rated value at 110 V / Rated value at 220 V / Rated value at 440 V / Rated value at 600 V / Rated value with 2 current paths in series / at DC-1 at 24 V / Rated value at 110 V / Rated value at 220 V / Rated value at 220 V / Rated value at 440 V / Rated value at 600 V / Rated value at 440 V / Rated value at 220 V / Rated value at 24 V / Rated value at 24 V / Rated value at 24 V / Rated value at 110 V / Rated value at 24 V / Rated value at 220 V / Rated value at 220 V / Rated value at 220 V / Rated value at 440 V / Rated value at 45 at 440 V / Rated value at 29 | Operating current | | |
| at 110 V / Rated value at 220 V / Rated value at 440 V / Rated value at 600 V / Rated value with 2 current paths in series / at DC-1 at 24 V / Rated value at 110 V / Rated value at 220 V / Rated value at 220 V / Rated value at 440 V / Rated value at 600 V / Rated value at 600 V / Rated value at 600 V / Rated value at 220 V / Rated value at 24 V / Rated value at 25 at 110 V / Rated value at 220 V / Rated value at 220 V / Rated value at 45 at 440 V / Rated value at 440 V / Rated value at 45 at 440 V / Rated value at 29 | • with 1 current path / at DC-1 | | |
| at 220 V / Rated value at 440 V / Rated value at 600 V / Rated value with 2 current paths in series / at DC-1 at 24 V / Rated value at 110 V / Rated value at 220 V / Rated value at 440 V / Rated value with 3 current paths in series / at DC-1 at 24 V / Rated value at 600 V / Rated value at 600 V / Rated value at 100 V / Rated value at 220 V / Rated value at 24 V / Rated value at 25 A 45 at 440 V / Rated value at 2.9 | • at 24 V / Rated value | Α | 60 |
| at 440 V / Rated value at 600 V / Rated value with 2 current paths in series / at DC-1 at 24 V / Rated value at 110 V / Rated value at 220 V / Rated value at 440 V / Rated value at 600 V / Rated value at 600 V / Rated value at 220 V / Rated value at 110 V / Rated value at 24 V / Rated value at 24 V / Rated value at 110 V / Rated value at 110 V / Rated value at 120 V / Rated value at 140 V / Rated value at 220 V / Rated value | • at 110 V / Rated value | Α | 4.5 |
| at 600 V / Rated value with 2 current paths in series / at DC-1 at 24 V / Rated value at 110 V / Rated value at 220 V / Rated value at 440 V / Rated value at 600 V / Rated value at 600 V / Rated value with 3 current paths in series / at DC-1 at 24 V / Rated value at 110 V / Rated value at 220 V / Rated value at 24 V / Rated value at 24 V / Rated value at 24 V / Rated value at 220 V / Rated value at 220 V / Rated value at 24 V / Rated value at 220 V / Rated value at 220 V / Rated value at 240 V / Rated value | • at 220 V / Rated value | Α | 2 |
| with 2 current paths in series / at DC-1 at 24 V / Rated value at 110 V / Rated value at 220 V / Rated value at 440 V / Rated value at 600 V / Rated value with 3 current paths in series / at DC-1 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 440 V / Rated value at 440 V / Rated value at 2.9 | • at 440 V / Rated value | Α | 0.4 |
| at 24 V / Rated value at 110 V / Rated value at 220 V / Rated value at 440 V / Rated value at 600 V / Rated value with 3 current paths in series / at DC-1 at 24 V / Rated value at 110 V / Rated value at 220 V / Rated value at 220 V / Rated value at 440 V / Rated value at 440 V / Rated value at 2.9 | • at 600 V / Rated value | Α | 0.25 |
| at 110 V / Rated value at 220 V / Rated value at 440 V / Rated value at 600 V / Rated value with 3 current paths in series / at DC-1 at 24 V / Rated value at 110 V / Rated value at 220 V / Rated value at 440 V / Rated value at 440 V / Rated value at 2.9 | • with 2 current paths in series / at DC-1 | | |
| at 220 V / Rated value at 440 V / Rated value at 600 V / Rated value with 3 current paths in series / at DC-1 at 24 V / Rated value at 110 V / Rated value at 220 V / Rated value at 440 V / Rated value at 440 V / Rated value | • at 24 V / Rated value | Α | 60 |
| at 440 V / Rated value at 600 V / Rated value with 3 current paths in series / at DC-1 at 24 V / Rated value at 110 V / Rated value at 220 V / Rated value at 440 V / Rated value at 440 V / Rated value at 2.9 | • at 110 V / Rated value | Α | 45 |
| at 600 V / Rated value with 3 current paths in series / at DC-1 at 24 V / Rated value at 110 V / Rated value at 220 V / Rated value at 440 V / Rated value A 2.9 | • at 220 V / Rated value | Α | 5 |
| with 3 current paths in series / at DC-1 at 24 V / Rated value at 110 V / Rated value at 220 V / Rated value at 440 V / Rated value A 2.9 | • at 440 V / Rated value | Α | 1 |
| at 24 V / Rated value at 110 V / Rated value at 220 V / Rated value at 440 V / Rated value A 2.9 | • at 600 V / Rated value | Α | 0.8 |
| at 110 V / Rated value at 220 V / Rated value at 440 V / Rated value A 2.9 | • with 3 current paths in series / at DC-1 | | |
| • at 220 V / Rated value A 45 • at 440 V / Rated value A 2.9 | • at 24 V / Rated value | Α | 55 |
| • at 440 V / Rated value A 2.9 | • at 110 V / Rated value | Α | 45 |
| | • at 220 V / Rated value | Α | 45 |
| | • at 440 V / Rated value | Α | 2.9 |
| • at 600 V / Rated value A 1.4 | at 600 V / Rated value | Α | 1.4 |

| Operating current | | |
|---|-----|-------|
| • with 1 current path / at DC-3 / at DC-5 | | |
| • at 24 V / Rated value | Α | 35 |
| • at 110 V / Rated value | Α | 2.5 |
| • at 220 V / Rated value | Α | 2 |
| • at 440 V / Rated value | Α | 0.1 |
| • at 600 V / Rated value | Α | 0.06 |
| • with 2 current paths in series / at DC-3 / at DC-5 | | |
| • at 24 V / Rated value | Α | 55 |
| • at 110 V / Rated value | Α | 25 |
| • at 220 V / Rated value | Α | 5 |
| • at 440 V / Rated value | Α | 0.27 |
| • at 600 V / Rated value | Α | 0.16 |
| • with 3 current paths in series / at DC-3 / at DC-5 | | |
| • at 24 V / Rated value | Α | 55 |
| • at 110 V / Rated value | Α | 45 |
| • at 220 V / Rated value | Α | 25 |
| • at 440 V / Rated value | Α | 0.6 |
| • at 600 V / Rated value | Α | 0.6 |
| Operating power | | |
| • at AC-1 / at 230 V / Rated value | kW | 26 |
| • at AC-1 / at 400 V / Rated value | kW | 46 |
| • at AC-1 / at 690 V / Rated value | kW | 79 |
| • at AC-2 | | |
| • at 400 V / Rated value | kW | 22 |
| • at AC-3 | | |
| • at 230 V / Rated value | kW | 15 |
| • at 400 V / Rated value | kW | 22 |
| • at 500 V / Rated value | kW | 30 |
| • at 690 V / Rated value | kW | 22 |
| • at AC-4 | | |
| • at 400 V / Rated value | kW | 22 |
| Operating power / for ≥ 200000 operating cycles / at AC-4 | | |
| • at 400 V / Rated value | kW | 12.6 |
| • at 690 V / Rated value | kW | 18.2 |
| Thermal short-time current / restricted to 10 s | A | 420 |
| Active power loss / at AC-3 / at 400 V / for rated value of the operating current / per conductor | W | 4 |
| No-load switching frequency | | |
| • with AC | 1/h | 5,000 |
| | | |

| Operating frequency | | |
|---------------------|-----|-------|
| • at AC-1 / maximum | 1/h | 1,200 |
| • at AC-2 / maximum | 1/h | 600 |
| • at AC-3 / maximum | 1/h | 1,000 |
| • at AC-4 / maximum | 1/h | 300 |

| Control circuit/ Control: | | |
|--|-----|---------|
| Type of voltage / of the control supply voltage | | AC |
| Control supply voltage | | |
| • with AC / at 50 Hz / Rated value | V | 24 |
| Operating range factor control supply voltage rated value / of the magnet coil | | |
| • with AC / at 50 Hz | | 0.8 1.1 |
| Apparent pick-up power / of the magnet coil / with AC | | |
| • at 50 Hz | V·A | 190 |
| Apparent holding power / of the magnet coil / with AC | | |
| • at 50 Hz | V·A | 16 |
| Closing delay | | |
| • with AC | ms | 10 80 |
| Opening delay | | |
| • with AC | ms | 10 18 |
| Arcing time | ms | 10 20 |

| Auxiliary circuit: | | |
|--|---|----|
| Number of NC contacts / for auxiliary contacts / instantaneous contact | | 1 |
| Number of NO contacts / for auxiliary contacts / instantaneous contact | | 1 |
| Operating current | | |
| • at AC-12 / maximum | Α | 10 |
| • at AC-15 | | |
| • at 230 V / Rated value | Α | 10 |
| • at 400 V / Rated value | Α | 3 |
| • at 500 V / Rated value | Α | 2 |
| • at 690 V / Rated value | Α | 1 |
| Operating current / at DC-12 | | |
| • at 24 V / Rated value | Α | 10 |
| • at 48 V / Rated value | Α | 6 |
| • at 60 V / Rated value | Α | 6 |
| • at 110 V / Rated value | Α | 3 |
| • at 125 V / Rated value | Α | 2 |

| • at 220 V / Rated value | Α | 1 |
|---|----|--|
| • at 440 V / Rated value | Α | 0.3 |
| • at 600 V / Rated value | Α | 0.15 |
| Operating current / at DC-13 | | |
| at 24 V / Rated value | Α | 10 |
| at 48 V / Rated value | Α | 2 |
| • at 60 V / Rated value | Α | 2 |
| • at 110 V / Rated value | Α | 1 |
| at 125 V / Rated value | Α | 0.9 |
| • at 220 V / Rated value | Α | 0.3 |
| • at 440 V / Rated value | Α | 0.14 |
| • at 600 V / Rated value | Α | 0.1 |
| UL/CSA ratings: | | |
| yielded mechanical performance [hp] | | |
| • for single-phase AC motor | | |
| • at 110/120 V / Rated value | hp | 3 |
| • at 230 V / Rated value | hp | 10 |
| • for three-phase AC motor | | |
| • at 200/208 V / Rated value | hp | 15 |
| • at 220/230 V / Rated value | hp | 15 |
| • at 460/480 V / Rated value | hp | 40 |
| • at 575/600 V / Rated value | hp | 50 |
| Full-load current (FLA) / for three-phase AC motor | | |
| • at 480 V / Rated value | Α | 52 |
| • at 600 V / Rated value | Α | 52 |
| Contact rating / of the auxiliary contacts / acc. to UL | | A600 / P600 |
| Short-circuit: | | |
| Design of the fuse link | | |
| • for short-circuit protection of the auxiliary switch / required | | fuse gL/gG: 10 A |
| for short-circuit protection of the main circuit | | |
| • with type of assignment 1 / required | | gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 200 A |
| Installation/ mounting/ dimensions: | | |
| mounting position | | +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on |

| | +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface |
|----|--|
| | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022 |
| mm | 55 |
| mm | 113.4 |
| | |

| Depth | mm | 130 |
|---|----|-----|
| Spacing required / with side-by-side mounting | mm | 0 |

| Connections/ terminals: | | |
|--|------------------------------|--|
| Design of the electrical connection | | |
| for main current circuit | screw-type terminals | |
| for auxiliary and control current circuit | spring-loaded terminals | |
| Type of connectable conductor cross-section | | |
| for main contacts | | |
| single or multi-stranded | 2x (1 35 mm²), 1x (1 50 mm²) | |
| finely stranded / with core end processing | 2x (1 25 mm²), 1x (1 35 mm²) | |
| for AWG conductors / for main contacts | 2x (18 2), 1x (18 1) | |
| Type of connectable conductor cross-section | | |
| for auxiliary contacts | | |
| single or multi-stranded | 2x (0,5 2,5 mm²) | |
| finely stranded / with core end processing | 2x (0.5 1.5 mm²) | |
| • finely stranded / without core end processing | 2x (0.5 2.5 mm²) | |
| for AWG conductors / for auxiliary contacts | 2x (20 14) | |

| Safety related data: | | |
|---|---|-----|
| Proportion of dangerous failures | | |
| • with low demand rate / acc. to SN 31920 | % | 40 |
| • with high demand rate / acc. to SN 31920 | % | 73 |
| Product function | | |
| Mirror contact acc. to IEC 60947-4-1 | | Yes |
| • positively driven operation acc. to IEC 60947-5-1 | | No |

Certificates/ approvals:

General Product Approval

other





Confirmation

Further information:

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

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

http://www.siemens.com/industrymall

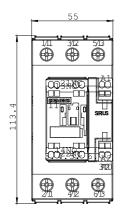
Cax online generator

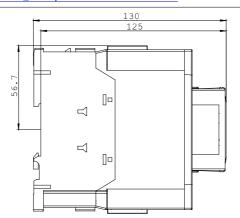
http://www.siemens.com/cax

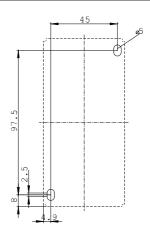
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

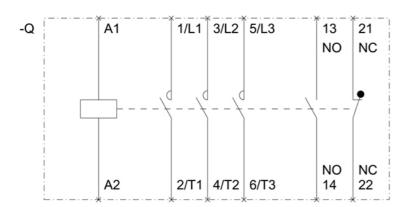
http://support.automation.siemens.com/WW/view/en/3RT2036-3AB00/all

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT2036-3AB00









last change: Dec 17, 2014