SIEMENS

Data sheet 3RT2535-1NP30



power contactor, AC-3, 35 A, 18.5 kW / 400 V, 4-pole, 175-280 V AC/DC, 50/60 Hz, with integrated varistor, main contacts: 2 NO + 2 NC, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S2

| product brand name | SIRIUS | |
|--|--|--|
| product designation | contactor | |
| product type designation | 3RT25 | |
| General technical data | | |
| size of contactor | S2 | |
| product extension | | |
| function module for communication | No | |
| auxiliary switch | Yes | |
| power loss [W] for rated value of the current | | |
| at AC in hot operating state per pole | 2.2 W | |
| without load current share typical | 2.4 W | |
| type of calculation of power loss depending on pole | quadratic | |
| insulation voltage | | |
| of main circuit with degree of pollution 3 rated value | 690 V | |
| of auxiliary circuit with degree of pollution 3 rated value | 690 V | |
| surge voltage resistance | | |
| of main circuit rated value | 6 kV | |
| of auxiliary circuit rated value | 6 kV | |
| maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 | 400 V | |
| shock resistance at rectangular impulse | | |
| • at AC | 7.7g / 5 ms, 4.5g / 10 ms | |
| • at DC | 7.7g / 5 ms, 4.5g / 10 ms | |
| shock resistance with sine pulse | | |
| • at AC | 12g / 5 ms, 7g / 10 ms | |
| • at DC | 12g / 5 ms, 7g / 10 ms | |
| mechanical service life (operating cycles) | | |
| of contactor typical | 10 000 000 | |
| of the contactor with added electronically optimized auxiliary switch block typical | 5 000 000 | |
| of the contactor with added auxiliary switch block typical | 10 000 000 | |
| reference code according to IEC 81346-2 | Q | |
| Substance Prohibitance (Date) | 10/01/2014 | |
| SVHC substance name | Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 | |
| Weight | 1.185 kg | |
| Ambient conditions | | |
| installation altitude at height above sea level maximum | 2 000 m | |
| ambient temperature | | |
| during operation | -40 +70 °C | |
| during storage | -55 +80 °C | |

| relative humidity minimum | 10 % | |
|---|---|--|
| relative humidity at 55 °C according to IEC 60068-2-30 | 95 % | |
| maximum | | |
| Main circuit | | |
| number of poles for main current circuit | 4 | |
| number of NO contacts for main contacts | 2 | |
| number of NC contacts for main contacts | 2 | |
| operational current | | |
| • at AC-1 up to 690 V | | |
| — at ambient temperature 40 °C rated value | 60 A | |
| — at ambient temperature 60 °C rated value | 55 A | |
| • at AC-2 at AC-3 at 400 V | | |
| — per NO contact rated value | 35 A | |
| — per NC contact rated value | 35 A | |
| minimum cross-section in main circuit at maximum AC-1 rated value | 16 mm² | |
| operational current | | |
| • at 1 current path at DC-1 | | |
| — at 24 V rated value | 55 A | |
| — at 110 V rated value | 4.5 A | |
| — at 220 V rated value | 1 A | |
| — at 440 V rated value | 0.4 A | |
| with 2 current paths in series at DC-1 | | |
| — at 24 V rated value | 55 A | |
| — at 110 V rated value | 45 A | |
| — at 220 V rated value | 5 A | |
| — at 440 V rated value | 1 A | |
| at 1 current path at DC-3 at DC-5 | | |
| at 24 V per NC contact rated value | 35 A | |
| — at 24 V per NO contact rated value | 35 A | |
| — at 110 V per NC contact rated value | 1.25 A | |
| — at 110 V per NO contact rated value | 2.5 A | |
| — at 220 V per NC contact rated value | 0.5 A | |
| — at 220 V per NO contact rated value | 1 A | |
| — at 440 V per NC contact rated value | 0.045 A | |
| — at 440 V per NO contact rated value | 0.1 A | |
| with 2 current paths in series at DC-3 at DC-5 | | |
| — at 24 V per NC contact rated value | 55 A | |
| — at 24 V per NO contact rated value | 55 A | |
| — at 110 V per NC contact rated value | 12.5 A | |
| — at 110 V per NO contact rated value | 25 A | |
| — at 220 V per NC contact rated value | 2.5 A | |
| — at 220 V per NO contact rated value | 5 A | |
| — at 440 V per NC contact rated value | 0.135 A | |
| — at 440 V per NO contact rated value | 0.27 A | |
| operating power at AC-2 at AC-3 | | |
| • at 230 V per NC contact rated value | 11 kW | |
| • at 230 V per NO contact rated value | 11 kW | |
| • at 400 V per NC contact rated value | 18.5 kW | |
| at 400 V per NO contact rated value | 18.5 kW | |
| short-time withstand current in cold operating state up to 40 °C | | |
| Iimited to 1 s switching at zero current maximum | 546 A; Use minimum cross-section acc. to AC-1 rated value | |
| limited to 5 s switching at zero current maximum | 443 A; Use minimum cross-section acc. to AC-1 rated value | |
| Iimited to 10 s switching at zero current maximum | 334 A; Use minimum cross-section acc. to AC-1 rated value | |
| Iimited to 30 s switching at zero current maximum | 241 A; Use minimum cross-section acc. to AC-1 rated value | |
| Ilmited to 60 s switching at zero current maximum | 196 A; Use minimum cross-section acc. to AC-1 rated value | |
| power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor | 2.2 W | |
| power loss [W] at AC-3e at 400 V for rated value of the operational current per conductor | 2.2 W | |
| no-load switching frequency | | |

| | • at AC | 500 1/h |
|--|---|-----------|
| operating frequency * st AC-C maximum Control circuit Control Type of voltage of the control supply voltage ACDC * of 50 Hz rated value * at 50 Hz rated value * at 50 Hz rated value * operating range factor control supply voltage rated value of magnet coil at DC * inflish voltage * at 50 Hz * at 60 Hz | | |
| # AC-1 maximum Special Control Control Type of Voltage of the control supply voltage ACDC | | 300 I/II |
| Control circuit/ Control Type of voltage of the control supply voltage * at 00 Hz rated value | | 350 1/h |
| Type of voltage of the control supply voltage AC DC | | |
| Control supply voltage at AC at 50 Hz rated value to 175 280 V at 60 Hz rated value to 175 280 V at 60 Hz rated value operating range factor control supply voltage rated value of magnet coll at DC initial value tilidiscale value operating range factor control supply voltage rated value of magnet coll at AC at 60 Hz | | AC/DC |
| | | NOIDO |
| | | 175 280 V |
| Control supply voltage at DC rated value 175 280 V | | |
| Operating range factor control supply voltage rated value of magnet coil at DC | | |
| migrate coll at DC • Initial value 0.8 • Initial value 1.1 operating range factor control supply voltage rated value of magnet coll at AC 0.8 1.1 • at 50 Hz 0.8 1.1 • design of the surge suppressor with variator Intrush current peak 25 A duration of inceled-rotor current peak 10 µs locked-rotor current peak 1.5 A duration of locked-rotor current 230 ms holding current mean value 0.8 % A locked-rotor current peak 1.5 A duration of locked-rotor current 230 ms holding current mean value 10 mA apparent plck-up power of magnet coll at AC 110 VA • at 50 Hz 110 VA • at 50 Hz 0.95 • at 50 Hz 0.95 • at 50 Hz 0.95 • at 50 Hz 2.5 VA • at 50 Hz 2.5 VA • at 50 Hz 0.95 • at 80 Hz <td></td> <td></td> | | |
| e full-scale value operating range factor control supply voltage rated value of magnet coil at AC e at 50 Hz at 60 Hz observed by the surge suppressor with variation innush current peak clocked-rotor current peak locked-rotor current peak duration of innush current peak full by the control current peak duration of locked-rotor current peak full by the control current peak duration of locked-rotor current peak full by the control current peak full by the | | |
| operating range factor control supply voltage rated value of magnet coil at AC | • initial value | |
| ### als 0 Hz | | 1.1 |
| • at 50 Hz | | |
| e at 60 Hz design of the surge suppressor inrush current peak 25 A duration of inrush current peak 10 µs locked-rotor current mean value 0.58 A locked-rotor current peak 1.5 A duration of locked-rotor current 230 ms holding current mean value 110 mA apparent pick-up power of magnet coil at AC 110 VA 110 VA 110 VA 14 50 Hz 110 VA 110 VA 110 VA 14 50 Hz 110 VA 110 VA 14 50 Hz 110 VA 15 NA 15 NA 16 NA 16 NA 16 NA 17 NA 18 NA | | 0.8 1.1 |
| design of the surge suppressor with varistor inrush current peak 25 A duration of frush current peak 10 µs locked-rotor current mean value 0.58 A locked-rotor current mean value 0.58 A locked-rotor current peak 1.5 A duration of locked-rotor current 230 ms holding current mean value 10 mA apparent pick-up power of magnet coil at AC 110 VA at 30 Hz 110 VA at 460 Hz 110 VA at 460 Hz 110 VA at 460 Hz 0.95 at 60 Hz 0.95 at | | |
| Iniush current peak | | |
| duration of inrush current peak 10 µs locked-rotor current mean value 0.58 A locked-rotor current mean value 1.5 A duration of locked-rotor current 230 ms holding current mean value 10 mA apparent plok-up power of magnet coil at AC 110 VA at 50 Hz 110 VA at 60 Hz 110 VA inductive power factor with closing power of the coil 0.95 at 50 Hz 0.95 at 50 Hz 0.95 apparent holding power of magnet coil at AC 2.5 VA at 60 Hz 0.95 apparent holding power of magnet coil at AC 2.5 VA at 60 Hz 2.5 VA at 60 Hz 0.95 at 6 | | |
| locked-rotor current mean value 0.58 A locked-rotor current peak 1.5 A duration of locked-rotor current 230 ms holding current mean value 10 mA apparent pick-up power of magnet coil at AC 110 VA a 150 Hz 110 VA a 160 Hz 110 VA inductive power factor with closing power of the coil 0.95 a 160 Hz | · | |
| duration of locked-rotor current 230 ms holding current mean value 10 mA apparent pick-up power of magnet coil at AC 110 VA a tt 50 Hz 110 VA 110 VA a tt 60 Hz 110 VA 110 VA a tt 60 Hz 10.95 10.95 a tt 50 Hz 0.95 a tt 60 Hz 0.95 a tt 60 Hz 0.95 apparent holding power of magnet coil at AC 2.5 VA a tt 60 Hz 2.5 VA 2.5 VA a tt 60 Hz 0.95 a tt 50 Hz 0.95 a tt 50 Hz 0.95 a tt 50 Hz 0.95 a tt 60 Hz 0.95 | locked-rotor current mean value | 0.58 A |
| holding current mean value 10 mA | locked-rotor current peak | 1.5 A |
| apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 60 Hz at 60 Hz • at 50 Hz • at 50 Hz • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at | duration of locked-rotor current | 230 ms |
| | holding current mean value | 10 mA |
| | apparent pick-up power of magnet coil at AC | 110 VA |
| inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz but at 50 Hz closing power of magnet coil at DC closing power of magnet coil at DC tolosing power of magnet coil at DC at AC at AC at DC at DC at DC at DC at DC at DC but DC copening delay at AC at DC a | ● at 50 Hz | 110 VA |
| | • at 60 Hz | 110 VA |
| apparent holding power of magnet coil at AC at 50 Hz at 60 Hz 2.5 VA at 60 Hz 2.5 VA inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.95 inductive power factor with the holding power of the coil at 60 Hz 0.95 closing power of magnet coil at DC holding power of magnet coil at DC tolosing delay at AC at DC opening delay at AC at DC at DC arcing time control version of the switch operating mechanism control version of the switch operating mechanism residual current of the electronics for control with signal <0- cut Axiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-15 at 230 V rated value at 400 V rated value at 400 V rated value at 500 V rated value | | |
| apparent holding power of magnet coil at AC at 50 Hz at 60 Hz binductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.95 at 60 Hz 0.95 closing power of magnet coil at DC holding power of magnet coil at DC tolosing delay at AC at DC opening delay at AC at DC opening delay at AC at DC at D | | |
| ■ at 50 Hz ■ at 60 Hz ■ at 60 Hz ■ at 50 Hz ■ at 50 Hz ■ at 50 Hz ■ at 50 Hz ■ at 60 Hz □ at 60 Hz □ at 60 Hz □ at 60 Hz □ at 60 Hz □ at AC □ at DC □ at DC □ at DC □ at DC □ at DC □ at DC □ at DC □ at DC □ at DC □ at DC □ at DC □ at DC □ at AC □ at DC □ at AC □ at DC □ at AC | | |
| at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 50 Hz operational round in the holding power of the coil at 60 Hz operational current at AC-12 maximum operational current at AC-15 at 60 Hz 2.5 VA 1.9 VA 0.95 0.95 0.95 70 W no.95 70 W no.95 70 W no.96 70 W 1.5 W closing power of magnet coil at DC 1.5 W closing delay at AC 30 110 ms 30 110 ms opening delay at AC 30 55 ms arcing time 10 20 ms control version of the switch operating mechanism residual current of the electronics for control with signal cos at AC at 230 V maximum permissible 20 A Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value | | |
| inductive power factor with the holding power of the coil at 50 Hz at 60 Hz o.95 O.95 closing power of magnet coil at DC holding power of magnet coil at DC tolosing delay at AC at DC opening delay at AC at DC oring delay oring delay at AC at DC oring delay orin | | |
| at 50 Hz at 60 Hz bolding power of magnet coil at DC bolding power of magnet coil at DC 1.5 W closing delay at AC at DC opening delay at AC at DC arcing time control version of the switch operating mechanism control version of the electronics for control with signal corrent of the electronics for control with signal corrent of the control version of the switch operating mechanism UC residual current of the electronics for control with signal control version of the switch operating mechanism control version of the switch operating mechanism UC residual current of the electronics for control with signal control version of the switch operating mechanism UC at AC at 230 V maximum permissible 20 A Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-12 maximum 10 A operational current at AC-15 at 230 V rated value 4 AU 0 V rated value 5 A 4 AU 0 V rated value 7 A 7 A 7 A 8 A 8 A 8 A 8 A 8 A 8 A 8 A 8 A 8 A 8 | | |
| at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at AC at DC arcing time control version of the switch operating mechanism control version of the electronics for control with signal at AC at 230 V maximum permissible at DC at 24 V maximum permissible number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-12 maximum 10 A operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value | | |
| closing power of magnet coil at DC holding power of magnet coil at DC 1.5 W closing delay • at AC • at DC opening delay • at AC • at DC account of the switch operating mechanism control version of the switch operating mechanism control version of the electronics for control with signal • at AC at 230 V maximum permissible • at DC at 24 V maximum permissible • at DC at 24 V maximum permissible contact number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value | | |
| holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC opening delay at AC at DC other act DC at DC | | |
| closing delay • at AC • at DC 30 110 ms opening delay • at AC • at DC 30 55 ms • at DC 30 55 ms • at DC 30 55 ms control version of the switch operating mechanism control version of the switch operating mechanism residual current of the electronics for control with signal <0> • at AC at 230 V maximum permissible • at DC at 24 V maximum permissible 20 A Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value | | |
| at AC at DC at DC at AC at DC at AC at DC at AC at DC at DC at AC at DC at AC at DC at AC at DC at AC at Control version of the switch operating mechanism control version of the electronics for control with signal at AC at 230 V maximum permissible at AC at 230 V maximum permissible at DC at 24 V maximum permissible at DC at 24 V maximum permissible at DC at 24 V maximum permissible at DC at Contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at AC accuracy at AC accur | | |
| at DC opening delay at AC at DC ot | | 30 110 ms |
| opening delay • at AC • at DC 30 55 ms arcing time 10 20 ms control version of the switch operating mechanism UC residual current of the electronics for control with signal <0> • at AC at 230 V maximum permissible • at DC at 24 V maximum permissible 20 A Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value | | |
| at AC at DC arcing time control version of the switch operating mechanism residual current of the electronics for control with signal at AC at 230 V maximum permissible at DC at 24 V maximum permissible at DC at 24 V maximum permissible auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 500 V rated value at 500 V rated value | | |
| arcing time control version of the switch operating mechanism residual current of the electronics for control with signal <0> at AC at 230 V maximum permissible at DC at 24 V maximum permissible number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 500 V rated value 20 A 20 A 21 A 42 A | | 30 55 ms |
| control version of the switch operating mechanism residual current of the electronics for control with signal <0> • at AC at 230 V maximum permissible • at DC at 24 V maximum permissible 20 A Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value 20 A 20 A 20 A 21 A 20 | • at DC | 30 55 ms |
| residual current of the electronics for control with signal <0> • at AC at 230 V maximum permissible • at DC at 24 V maximum permissible Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value 20 A 1 10 A 6 A 9 A 9 A 9 A 9 A 9 A 9 A 9 | arcing time | 10 20 ms |
| at AC at 230 V maximum permissible at DC at 24 V maximum permissible Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 500 V rated value 20 A 10 A 10 A | control version of the switch operating mechanism | UC |
| at DC at 24 V maximum permissible Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value | | |
| Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value 2 A | • at AC at 230 V maximum permissible | 20 A |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value 2 A | • at DC at 24 V maximum permissible | 20 A |
| contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value 2 A | Auxiliary circuit | |
| contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value 2 A | | 1 |
| operational current at AC-15 • at 230 V rated value 6 A • at 400 V rated value 3 A • at 500 V rated value 2 A | | 1 |
| at 230 V rated value at 400 V rated value at 500 V rated value 2 A | operational current at AC-12 maximum | 10 A |
| at 400 V rated value at 500 V rated value 2 A | operational current at AC-15 | |
| • at 500 V rated value 2 A | • at 230 V rated value | 6 A |
| | • at 400 V rated value | 3 A |
| a of COO V rested value | | 2 A |
| • at 090 v rated value | • 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 | | | |
| yielded mechanical performance [hp] | | | |
| • for 3-phase AC motor at 460/480 V rated value | 20 hp | | |
| contact rating of auxiliary contacts according to UL | A600 / P600 | | |
| Short-circuit protection | | | |
| design of the fuse link | | | |
| for short-circuit protection of the main circuit | | | |
| with type of coordination 1 required | gG: 125 A (690 V, 100 kA) | | |
| with type of assignment 2 required | gG: 63A (690V, 100kA) | | |
| for short-circuit protection of the auxiliary switch required | fuse gG: 10 A | | |
| Installation/ mounting/ dimensions | 1030 gO. 10 A | | |
| mounting position | +/-180° rotation possible on vertical mounting surface; can be tilted forward and | | |
| mounting position | backward by +/- 22.5° on vertical mounting surface | | |
| fastening method side-by-side mounting | Yes | | |
| fastening method | screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 | | |
| height | 114 mm | | |
| width | 75 mm | | |
| depth | 130 mm | | |
| required spacing | | | |
| with side-by-side mounting | | | |
| — forwards | 0 mm | | |
| — backwards | 0 mm | | |
| — upwards | 0 mm | | |
| — downwards | 0 mm | | |
| — at the side | 0 mm | | |
| for grounded parts | | | |
| — forwards | 0 mm | | |
| — backwards | 0 mm | | |
| — upwards | 50 mm | | |
| • | | | |
| — at the side | 10 mm | | |
| at the sidedownwards | | | |
| — downwards | 10 mm | | |
| | 10 mm | | |
| — downwards• for live parts | 10 mm 50 mm | | |
| — downwards• for live parts— forwards— backwards | 10 mm 50 mm | | |
| — downwards● for live parts— forwards— backwards— upwards | 10 mm 50 mm 0 mm 50 mm | | |
| — downwards ● for live parts — forwards — backwards — upwards — downwards | 10 mm 50 mm 0 mm 0 mm 50 mm 50 mm | | |
| — downwards ● for live parts — forwards — backwards — upwards — downwards — at the side | 10 mm 50 mm 0 mm 50 mm | | |
| — downwards • for live parts — forwards — backwards — upwards — downwards — at the side Connections/ Terminals | 10 mm 50 mm 0 mm 0 mm 50 mm 50 mm | | |
| — downwards • for live parts — forwards — backwards — upwards — downwards — at the side Connections/ Terminals type of electrical connection | 10 mm 50 mm 0 mm 50 mm 50 mm 10 mm | | |
| — downwards • for live parts — forwards — backwards — upwards — downwards — at the side Connections/ Terminals type of electrical connection • for main current circuit | 10 mm 50 mm 0 mm 0 mm 50 mm 50 mm 10 mm | | |
| - downwards • for live parts - forwards - backwards - upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit | 10 mm 50 mm 0 mm 0 mm 50 mm 50 mm 10 mm screw-type terminals screw-type terminals | | |
| - downwards • for live parts - forwards - backwards - upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts | 10 mm 50 mm 0 mm 0 mm 50 mm 50 mm 10 mm screw-type terminals screw-type terminals Screw-type terminals | | |
| - downwards • for live parts - forwards - backwards - upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit | 10 mm 50 mm 0 mm 0 mm 50 mm 50 mm 10 mm screw-type terminals screw-type terminals | | |

| • solid | 2x (1 35 mm²), 1x (1 50 mm²) | | |
|--|--|--|--|
| solid or stranded | 2x (1 35 mm²), 1x (1 50 mm²) | | |
| finely stranded with core end processing | 2x (1 25 mm²), 1x (1 35 mm²) | | |
| type of connectable conductor cross-sections | | | |
| for auxiliary contacts | | | |
| — solid | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) | | |
| — solid or stranded | 2x (0.5 1.5 mm²), 2x (0.75 2.5 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) | | |
| AWG number as coded connectable conductor cross section for main contacts | 18 1 | | |
| Safety related data | | | |
| product function | | | |
| mirror contact according to IEC 60947-4-1 | Yes | | |
| positively driven operation according to IEC 60947-5-1 | No | | |
| Electrical Safety | | | |
| protection class IP on the front according to IEC 60529 | IP20 | | |
| touch protection on the front according to IEC 60529 | finger-safe, for vertical contact from the front | | |
| Approvals Certificates | | | |
| | | | |

General Product Approval







Confirmation



<u>KC</u>

General Product Approval

EMV

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report

Special Test Certificate





Marine / Shipping





LRS







Confirmation

Railway

Dangerous goods

Environment

Special Test Certificate

Transport Information

Environmental Confirmations

Further information

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=3RT2535-1NP30

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT2535-1NP30}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2535-1NP30

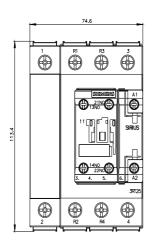
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

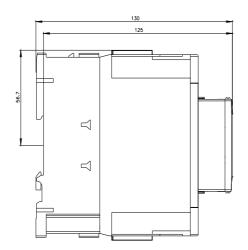
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2535-1NP30\&lang=en}}$

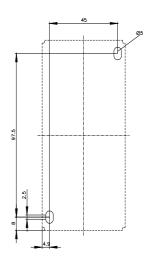
Characteristic: Tripping characteristics, I²t, Let-through current

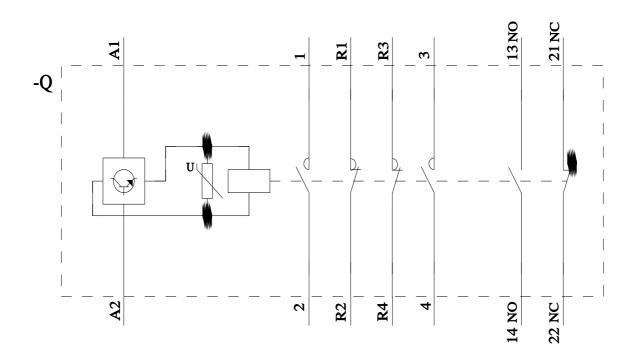
https://support.industry.siemens.com/cs/ww/en/ps/3RT2535-1NP30/char Further characteristics (e.g. electrical endurance, switching frequency)

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last modified: 3/19/2024 🖸

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