SIEMENS

Data sheet

3TC5617-0BK1



Contactor size 12, 2-pole DC-3 and 5, 400 A Auxiliary switch 22 (2 NO + 2 NC) Direct current operation 120 V AC 60 Hz/100 V AC 50 Hz

| product designation | Contactor |
|---|--------------------------|
| product type designation | 3TC |
| General technical data | |
| size of contactor | 12 |
| product extension | |
| function module for communication | No |
| auxiliary switch | Yes |
| insulation voltage rated value | 1 000 V |
| maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 | 660 V |
| shock resistance at rectangular impulse | |
| • at AC | 12g / 5 ms, 5,6g / 10 ms |
| mechanical service life (operating cycles) | |
| of contactor 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) | 05/01/2012 |
| Ambient conditions | |
| ambient temperature | |
| during operation | -25 +55 °C |
| during storage | -50 +80 °C |
| relative humidity minimum | 10 % |
| relative humidity at 55 °C according to IEC 60068-2-30 maximum | 95 % |
| Main circuit | |
| number of poles | 2 |
| number of poles for main current circuit | 2 |
| number of NO contacts for main contacts | 2 |
| number of NC contacts for main contacts | 0 |
| type of voltage | DC |
| operational current | |
| at 1 current path at DC-1 | |
| — at 24 V rated value | 400 A |
| — at 110 V rated value | 400 A |
| — at 220 V rated value | 400 A |
| with 2 current paths in series at DC-1 | |
| — at 24 V rated value | 400 A |
| — at 110 V rated value | 400 A |
| — at 220 V rated value | 400 A |
| — at 440 V rated value | 400 A |
| — at 600 V rated value | 400 A |

| — at 750 V rated value | 400 A |
|--|--|
| at 1 current path at DC-3 at DC-5 | |
| — at 24 V rated value | 220 A |
| — at 110 V rated value | 220 A |
| — at 220 V rated value | 400 A |
| with 2 current paths in series at DC-3 at DC-5 | |
| — at 24 V rated value | 400 A |
| — at 110 V rated value | 400 A |
| — at 220 V rated value | 400 A |
| — at 440 V rated value | 400 A |
| — at 600 V rated value | 400 A |
| — at 750 V rated value | 400 A |
| operating power | |
| • at DC-1 | |
| — at 110 V rated value | 44 kW |
| — at 220 V rated value | 88 kW |
| — at 440 V rated value | 176 kW |
| — at 750 V rated value | 300 kW |
| • at DC-3 at DC-5 | |
| — at 110 V rated value | 35 kW |
| — at 220 V rated value | 70 kW |
| — at 440 V rated value | 140 kW |
| — at 600 V rated value | 200 kW |
| — at 750 V rated value | 250 kW |
| operating frequency | |
| • at DC-1 maximum | 1 000 1/h |
| • at DC-3 maximum | 600 1/h |
| • at DC-5 maximum | 600 1/h |
| Control circuit/ Control | |
| | |
| type of voltage of the control supply voltage | AC |
| type of voltage of the control supply voltage control supply voltage at AC | AC |
| | AC 100 V |
| control supply voltage at AC | |
| control supply voltage at AC at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of | 100 V |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC | 100 V 120 V |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz | 100 V 120 V 0.8 1.1 |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz apparent pick-up power of magnet coil at AC | 100 V 120 V 0.8 1.1 1 780 VA |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz | 100 V 120 V 0.8 1.1 1 780 VA 1 780 VA |
| control supply voltage at AC at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz | 100 V 120 V 0.8 1.1 1 780 VA 1 780 VA 2 140 VA |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil | 100 V 120 V 0.8 1.1 1 780 VA 1 780 VA 2 140 VA 0.3 |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz | 100 V 120 V 0.8 1.1 1 780 VA 1 780 VA 2 140 VA 0.3 0.3 |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz | 100 V 120 V 0.8 1.1 1 780 VA 1 780 VA 2 140 VA 0.3 0.3 0.3 |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz | 100 V 120 V 0.8 1.1 1 780 VA 1 780 VA 2 140 VA 0.3 0.3 0.3 121 VA |
| control supply voltage at AC at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz at 60 Hz at 60 Hz at 50 Hz at 60 Hz | 100 V 120 V 0.8 1.1 1 780 VA 1 780 VA 2 140 VA 0.3 0.3 0.3 0.3 121 VA 121 VA |
| control supply voltage at AC at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz at 60 Hz | 100 V 120 V 0.8 1.1 1 780 VA 1 780 VA 2 140 VA 0.3 0.3 0.3 0.3 121 VA 121 VA 121 VA |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz 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 • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 60 Hz • at 60 Hz | 100 V 120 V 0.8 1.1 1 780 VA 1 780 VA 2 140 VA 0.3 0.3 0.3 121 VA 121 VA 121 VA 121 VA 122 V |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz inductive power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz | 100 V 120 V 0.8 1.1 1 780 VA 1 780 VA 2 140 VA 0.3 0.3 0.3 121 VA 121 VA 121 VA 140 VA 0.22 0.22 |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz 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 inductive power factor with closing power of the coil • at 60 Hz apparent holding power of magnet coil at AC • at 60 Hz apparent holding power of magnet coil at AC • at 60 Hz apparent holding power of magnet coil at AC • at 60 Hz • at 50 Hz • at 60 Hz | 100 V 120 V 0.8 1.1 1 780 VA 2 140 VA 2 140 VA 0.3 0.3 0.3 121 VA 121 VA 121 VA 140 VA 0.22 0.22 0.29 |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 60 Hz apparent holding power of magnet coil at AC • at 60 Hz apparent holding power of magnet coil at AC • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz | 100 V 120 V 0.8 1.1 1 780 VA 1 780 VA 2 140 VA 0.3 0.3 0.3 121 VA 121 VA 121 VA 140 VA 0.22 0.22 |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 60 Hz | 100 V 120 V 0.8 1.1 1 780 VA 1 780 VA 2 140 VA 0.3 0.3 0.3 0.3 121 VA 121 VA 121 VA 121 VA 122 0.22 0.22 0.29 20 30 ms |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz 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 • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 60 Hz inductive power factor with the holding power of the coil • at 60 Hz | 100 V 120 V 0.8 1.1 1 780 VA 1 780 VA 2 140 VA 0.3 0.3 0.3 0.3 121 VA 121 VA 121 VA 121 VA 122 0.22 0.22 0.22 0.22 0.29 20 30 ms |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz 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 inductive power factor with closing power of the coil • at 60 Hz apparent holding power of magnet coil at AC • at 60 Hz apparent holding power of magnet coil at AC • at 60 Hz at 60 Hz at 60 Hz • at 60 Hz <td>100 V 120 V 0.8 1.1 1 780 VA 1 780 VA 2 140 VA 0.3 0.3 0.3 121 VA 121 VA 121 VA 121 VA 121 VA 121 VA 120 VA 0.22 0.23 0.23 0.23 0.25 0.55</td> | 100 V 120 V 0.8 1.1 1 780 VA 1 780 VA 2 140 VA 0.3 0.3 0.3 121 VA 121 VA 121 VA 121 VA 121 VA 121 VA 120 VA 0.22 0.23 0.23 0.23 0.25 0.55 |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz 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 inductive power factor with closing power of the coil • at 60 Hz apparent holding power of magnet coil at AC • at 60 Hz apparent holding power of magnet coil at AC • at 60 Hz apparent holding power of magnet coil at AC • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz arcing time Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts | 100 V 120 V 0.8 1.1 1 780 VA 1 780 VA 2 140 VA 0.3 0.3 0.3 121 VA 121 VA 121 VA 140 VA 0.22 0.22 0.22 0.29 20 30 ms |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz 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 • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz at 60 Hz • at 60 Hz </td <td>100 V 120 V 0.8 1.1 1 780 VA 1 780 VA 2 140 VA 0.3 0.3 0.3 121 VA 121 VA 140 VA 0.22 0.22 0.22 0.29 20 30 ms</td> | 100 V 120 V 0.8 1.1 1 780 VA 1 780 VA 2 140 VA 0.3 0.3 0.3 121 VA 121 VA 140 VA 0.22 0.22 0.22 0.29 20 30 ms |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz arcing time Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts • instantaneous contact number of CO contacts for auxiliary contacts | 100 V 120 V 0.8 1.1 1 780 VA 2 140 VA 0.3 0.3 0.3 121 VA 121 VA 121 VA 140 VA 0.22 0.22 0.22 0.22 0.29 20 30 ms 2 2 2 0 0 |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz apparent factor with the holding power of the coil • at 50 Hz • at 60 Hz arcing time Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts • instantaneous contact number of CO contacts for auxiliary contacts identification number and letter for | 100 V 120 V 0.8 1.1 1 780 VA 2 140 VA 0.3 0.3 0.3 121 VA 121 VA 121 VA 140 VA 0.22 0.22 0.22 0.29 20 30 ms 2 2 2 2 2 2 2 2 2 2 2 |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz arcing time Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts • instantaneous contact number of CO contacts for auxiliary contacts identification | 100 V 120 V 0.8 1.1 1 780 VA 2 140 VA 0.3 0.3 0.3 121 VA 121 VA 121 VA 140 VA 0.22 0.22 0.22 0.22 0.29 20 30 ms 2 2 2 0 0 |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz 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 • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 60 Hz inductive power factor with the holding power of the coil • at 60 Hz inductive power factor with the nolding power of the coil • at 60 Hz inductive power factor with the nolding power of the coil • at 60 Hz arcing time Auxiliary circuit <td>100 V 120 V 0.8 1.1 1 780 VA 2 140 VA 0.3 0.3 0.3 0.3 121 VA 121 VA 121 VA 140 VA 0.22 0.29 20 30 ms 2 2 2 2 2 10 A</td> | 100 V 120 V 0.8 1.1 1 780 VA 2 140 VA 0.3 0.3 0.3 0.3 121 VA 121 VA 121 VA 140 VA 0.22 0.29 20 30 ms 2 2 2 2 2 10 A |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz 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 inductive power factor with closing power of the coil • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz arcing time Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts • instantaneous contact number of CO contacts for auxiliary contacts • instantaneous contact number of CO contacts for auxiliary contacts | 100 V 120 V 0.8 1.1 1 780 VA 1 780 VA 2 140 VA 0.3 0.3 0.3 121 VA 121 VA 121 VA 121 VA 140 VA 0.22 0.29 20 30 ms 2 2 2 2 10 A 5.6 A |
| control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz 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 • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the nolding power of the coil • at 60 Hz arcing time Auxiliary circuit number of NC contacts for auxiliary con | 100 V 120 V 0.8 1.1 1 780 VA 2 140 VA 0.3 0.3 0.3 0.3 121 VA 121 VA 121 VA 140 VA 0.22 0.29 20 30 ms 2 2 2 2 2 10 A |

| operational current at DC-12 | |
|--|--|
| at 24 V rated value | 10 A |
| at 48 V rated value | 10 A |
| • at 60 V rated value | 10 A |
| • at 110 V rated value | 8 A |
| at 125 V rated value | 6 A |
| at 220 V rated value | 2 A |
| at 600 V rated value | 0.4 A |
| operational current at DC-13 | |
| at 24 V rated value | 10 A |
| at 48 V rated value | 5 A |
| • at 60 V rated value | 5 A |
| • at 110 V rated value | 2.4 A |
| at 125 V rated value | 2.1 A |
| at 220 V rated value | 1.1 A |
| • at 600 V rated value | 0.21 A |
| UL/CSA ratings | |
| 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 | 2 x 3NE1330-4D (315 A) parallel (750 V, 12 kA) |
| — with type of assignment 2 required | 2 x 3NE1330-4D (315 A) parallel (750 V, 12 kA) |
| for short-circuit protection of the auxiliary switch required | gG: 16 A (500 V, 1 kA) |
| Installation/ mounting/ dimensions | |
| mounting position | +/-22,5° rotation possible on vertical mounting surface; can be tilted forward |
| | and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal |
| | mounting surface |
| fastening method | screw fixing |
| side-by-side mounting | Yes |
| height | 281 mm |
| width | 160 mm |
| depth | 255 mm |
| required spacing | |
| with side-by-side mounting | |
| — forwards | 25 mm |
| — backwards | 0 mm |
| — upwards | 10 mm |
| — downwards | 10 mm |
| — at the side | 10 mm |
| for grounded parts | |
| — forwards | 100 mm |
| — backwards | 0 mm |
| — upwards | 10 |
| | 10 mm |
| — at the side | 10 mm 10 mm |
| — at the side — downwards | |
| | 10 mm |
| — downwards | 10 mm |
| downwardsfor live parts | 10 mm 10 mm |
| downwards for live parts forwards | 10 mm 10 mm 100 mm |
| downwards for live parts forwards backwards | 10 mm 10 mm 100 mm 0 mm |
| downwards for live parts forwards backwards upwards | 10 mm 10 mm 100 mm 0 mm 10 mm |
| downwards for live parts forwards backwards upwards downwards | 10 mm 10 mm 100 mm 0 mm 10 mm 10 mm |
| downwards for live parts forwards backwards upwards downwards at the side Connections/ Terminals | 10 mm 10 mm 100 mm 0 mm 10 mm 10 mm 10 mm |
| downwards for live parts forwards backwards backwards downwards at the side Connections/ Terminals type of electrical connection | 10 mm 10 mm 100 mm 0 mm 10 mm 10 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 10 mm 100 mm 0 mm 10 mm 10 mm 10 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 10 mm 100 mm 0 mm 10 mm 10 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 type of connectable conductor cross-sections | 10 mm 10 mm 100 mm 0 mm 10 mm 10 mm 10 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 type of connectable conductor cross-sections for auxiliary contacts | 10 mm 10 mm 100 mm 0 mm 10 mm 10 mm 10 mm 10 mm screw-type terminals screw-type terminals screw-type terminals |
| downwards for live parts forwards forwards backwards upwards downwards at the side Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit type of connectable conductor cross-sections for auxiliary contacts solid or stranded | 10 mm 10 mm 100 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 2x (1 2.5 mm ²) |
| 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 type of connectable conductor cross-sections for auxiliary contacts | 10 mm 10 mm 100 mm 0 mm 10 mm 10 mm 10 mm 10 mm screw-type terminals screw-type terminals screw-type terminals |

| product function mirror contact according to IEC 60947-4-1 | | 947-4-1 Ye | Yes | | |
|--|-------------------------|----------------|---|--|---|
| protection class IP on the front according to IEC 60529 | | 60529 IP | 00; IP20 with box terminal/co | ver | |
| touch protection on the front according to IEC 60529 | | | finger-safe, for vertical contact from the front with cover | | |
| Certificates/ approvals | | | | | |
| General Product Appr | oval | | | | Functional Safety/Safety of Ma- chinery |
| | <u>Confirmation</u> | | | EAC | <u>Type Examination Cer-</u> tificate |
| Functional Safety/Safety of Ma- chinery | Declaration of Conformi | ty | Test Certificates | | |
| Type Examination Cer- tificate | UK CA | CE EG-Konf. | <u>Special Test Certific-</u> <u>ate</u> | <u>Type Test Certific-</u> ates/Test Report | <u>Miscellaneous</u> |
| other | Dangerous Good | | | | |
| Confirmation | Transport Information | | | | |

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=3TC5617-0BK1

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TC5617-0BK1

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

https://support.industry.siemens.com/cs/ww/en/ps/3TC5617-0BK1

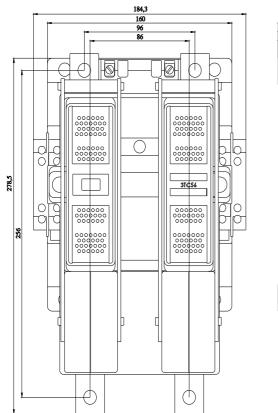
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

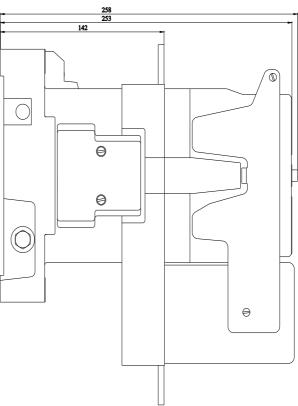
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TC5617-0BK1&lang=en

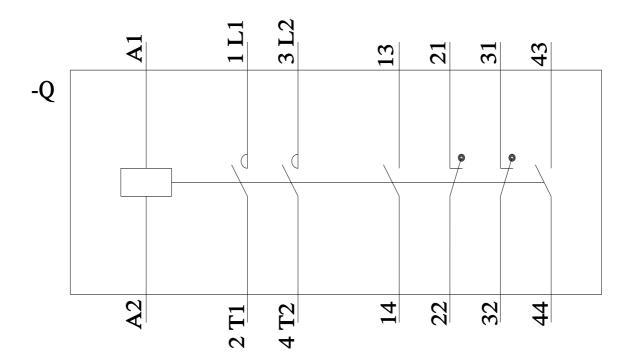
Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3TC5617-0BK1/char Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TC5617-0BK1&objecttype=14&gridview=view1







2/13/2023 🖸

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens: 3TC56170BK1