SIEMENS

Data sheet

3TC4417-0BN2



Contactor, Size 2, 2-pole, DC-3 and 5, 32 A Auxiliary contacts 22 (2 NO + 2 NC) 220 V AC 50/60 Hz AC operation

| 12 | |
|--|---|
| product designation | Contactor |
| product type designation | 3TC |
| General technical data | |
| size of contactor | 2 |
| product extension | |
| function module for communication | No |
| auxiliary switch | Yes |
| insulation voltage rated value | 800 V |
| maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 | 300 ∨ |
| shock resistance at rectangular impulse | |
| • at AC | 7,5g / 5 ms, 3,4g / 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) | 02/01/2012 |
| SVHC substance name | Blei - 7439-92-1 6,6'-Di-tert-butyl-2,2'-methylendi-p-cre - 119-47-1 |
| 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 | 32 A |
| | |
| — at 110 V rated value | 32 A |
| — at 110 V rated value — at 220 V rated value | 32 A 32 A |
| | |
| — at 220 V rated value | |
| — at 220 V rated value• with 2 current paths in series at DC-1 | 32 A |

| — at 440 V rated value | 32 A |
|--|--|
| — at 600 V rated value | 32 A |
| — at 750 V rated value | 32 A |
| at 1 current path at DC-3 at DC-5 | |
| — at 24 V rated value | 32 A |
| — at 110 V rated value | 32 A |
| — at 220 V rated value | 32 A |
| with 2 current paths in series at DC-3 at DC-5 | |
| — at 24 V rated value | 32 A |
| — at 110 V rated value | 32 A |
| — at 220 V rated value | 32 A 32 A |
| | |
| — at 440 V rated value | 29 A |
| — at 600 V rated value | 21 A |
| — at 750 V rated value | 7.5 A |
| operating power | |
| • at DC-1 | |
| — at 110 V rated value | 3.5 kW |
| — at 220 V rated value | 7 kW |
| — at 440 V rated value | 14 kW |
| — at 750 V rated value | 24 kW |
| • at DC-3 at DC-5 | |
| — at 110 V rated value | 2.5 kW |
| — at 220 V rated value | 5 kW |
| — at 440 V rated value | 9 kW |
| — at 600 V rated value | 9 kW |
| | |
| at 750 V rated value | 4 kW |
| operating frequency | |
| • at DC-1 maximum | 1 500 1/h |
| • at DC-3 maximum | 750 1/h |
| • at DC-5 maximum | 750 1/h |
| Control circuit/ Control | |
| | |
| type of voltage of the control supply voltage | AC |
| | AC |
| type of voltage of the control supply voltage | AC 220 V |
| type of voltage of the control supply voltage control supply voltage at AC | |
| type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value | 220 V |
| type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of | 220 V |
| type of voltage of the control supply voltage 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 | 220 V 220 V |
| type of voltage of the control supply voltage 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 50 Hz | 220 V 220 V 0.8 1.1 |
| type of voltage of the control supply voltage 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 50 Hz • at 60 Hz | 220 V 220 V 0.8 1.1 0.85 1.1 |
| type of voltage of the control supply voltage 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 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA |
| type of voltage of the control supply voltage 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 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA |
| type of voltage of the control supply voltage 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 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA |
| type of voltage of the control supply voltage 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 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 | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 |
| type of voltage of the control supply voltage 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 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 | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.86 0.79 |
| type of voltage of the control supply voltage 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 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 • at 60 Hz • at 60 Hz • at 60 Hz | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.86 0.79 11 VA |
| type of voltage of the control supply voltage 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 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 • at 50 Hz • at 60 Hz | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.83 0.86 0.79 11 VA 10 VA |
| type of voltage of the control supply voltage 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 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 60 Hz apparent holding power of magnet coil at AC • at 60 Hz | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.86 0.79 11 VA 10 VA 12 VA |
| type of voltage of the control supply voltage 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 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • 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 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 | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.86 0.79 11 VA 10 VA 12 VA |
| type of voltage of the control supply voltage 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 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 inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz • at 60 Hz | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.86 0.79 11 VA 10 VA 12 VA 0.28 0.29 |
| type of voltage of the control supply voltage 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 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • 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 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 | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.86 0.79 11 VA 10 VA 12 VA 0.28 0.29 0.3 |
| type of voltage of the control supply voltage 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 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • 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 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 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 • at 60 Hz inductive power factor with the holding power of the coil • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.86 0.79 11 VA 10 VA 12 VA 0.28 0.29 |
| type of voltage of the control supply voltage 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 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 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 at 60 Hz • at 60 Hz </td <td>220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.86 0.79 11 VA 10 VA 12 VA 0.28 0.29 0.3 20 30 ms</td> | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.86 0.79 11 VA 10 VA 12 VA 0.28 0.29 0.3 20 30 ms |
| type of voltage of the control supply voltage 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 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • 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 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 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 • at 60 Hz inductive power factor with the holding power of the coil • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.86 0.79 11 VA 10 VA 12 VA 0.28 0.29 0.3 |
| type of voltage of the control supply voltage 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 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • 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 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 arcing time Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact </td <td>220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.86 0.79 11 VA 10 VA 12 VA 0.28 0.29 0.3 20 30 ms</td> | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.86 0.79 11 VA 10 VA 12 VA 0.28 0.29 0.3 20 30 ms |
| type of voltage of the control supply voltage 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 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • 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 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 60 Hz | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.83 0.86 0.79 11 VA 10 VA 12 VA 0.28 0.29 0.3 20 30 ms |
| type of voltage of the control supply voltage 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 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • 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 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 arcing time Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact </td <td>220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.86 0.79 11 VA 10 VA 12 VA 0.28 0.29 0.3 20 30 ms 2 2 2</td> | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.86 0.79 11 VA 10 VA 12 VA 0.28 0.29 0.3 20 30 ms 2 2 2 |
| type of voltage of the control supply voltage 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 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • 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 inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz inductive power factor with the lolding 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 arcing time Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.86 0.79 11 VA 10 VA 12 VA 0.28 0.29 0.3 20 30 ms 2 2 2 |
| type of voltage of the control supply voltage 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 50 Hz • 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 inductive power factor with closing power of the coil • at 50 Hz • 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 <t< td=""><td>220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.86 0.79 11 VA 10 VA 12 VA 0.28 0.29 0.3 20 30 ms 2 2 2 2</td></t<> | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.86 0.79 11 VA 10 VA 12 VA 0.28 0.29 0.3 20 30 ms 2 2 2 2 |
| type of voltage of the control supply voltage 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 50 Hz • 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 inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 60 Hz | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.86 0.79 11 VA 10 VA 12 VA 0.28 0.29 0.3 20 30 ms 2 2 2 2 2 0 |
| type of voltage of the control supply voltage 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 50 Hz • 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 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 • instantaneous contact number of CO contacts for auxiliary contacts | 220 V 220 V 0.8 1.1 0.85 1.1 79 VA 68 VA 95 VA 0.83 0.86 0.79 11 VA 10 VA 12 VA 0.28 0.29 0.3 20 30 ms 2 2 2 2 2 2 2 2 2 2 |

| at 230 V rated value | 5.6 A | | |
|---|---|--|--|
| • at 400 V rated value | 3.6 A | | |
| at 500 V rated value | 2.5 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 | 3.2 A | | |
| • at 125 V rated value | 2.5 A | | |
| at 220 V rated value | 0.9 A | | |
| • at 600 V rated value | 0.22 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 | 1.14 A | | |
| at 125 V rated value | 0.98 A | | |
| at 220 V rated value | 0.48 A | | |
| • at 600 V rated value | 0.07 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 3NA3020 (50 A) in series (750 V, 3 kA) | | |
| - with type of assignment 2 required | 2 x 3NA3020 (50 A) in series (750 V, 3 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 and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 | | |
| side-by-side mounting | Yes | | |
| height | 85 mm | | |
| width | 70 mm | | |
| depth | 104 mm | | |
| required spacing | | | |
| with side-by-side mounting | | | |
| — forwards | 15 mm | | |
| — backwards | | | |
| | 0 mm | | |
| — upwards | 0 mm 10 mm | | |
| — upwards — downwards | | | |
| | 10 mm | | |
| — downwards | 10 mm 10 mm | | |
| downwards at the side | 10 mm 10 mm | | |
| downwards at the side for grounded parts | 10 mm 10 mm 10 mm | | |
| downwards at the side for grounded parts forwards | 10 mm 10 mm 10 mm 30 mm | | |
| downwards at the side for grounded parts forwards backwards | 10 mm 10 mm 10 mm 30 mm 0 mm | | |
| downwards at the side for grounded parts forwards backwards upwards | 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm | | |
| downwards at the side for grounded parts forwards backwards upwards at the side | 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm | | |
| downwards at the side for grounded parts forwards backwards upwards at the side downwards | 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm | | |
| downwards at the side for grounded parts forwards backwards upwards at the side downwards for live parts | 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm 10 mm | | |
| downwards at the side for grounded parts forwards backwards upwards at the side downwards for live parts forwards backwards | 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm 10 mm 30 mm 0 mm | | |
| downwards at the side for grounded parts forwards backwards upwards at the side downwards for live parts forwards backwards upwards upwards | 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm | | |
| downwards at the side for grounded parts forwards backwards upwards at the side downwards for live parts forwards backwards upwards downwards downwards downwards at wards at the side backwards at the side backwards backwards at the side backwards backwards backwards at the side at the side< | 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm 10 mm 10 mm | | |
| downwards at the side for grounded parts forwards backwards upwards at the side downwards for live parts forwards backwards upwards at the side | 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm | | |
| downwards at the side for grounded parts forwards backwards upwards at the side downwards for live parts forwards backwards backwards upwards at the side downwards at the side downwards at the side | 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm | | |
| downwards at the side for grounded parts forwards backwards upwards at the side downwards for live parts forwards backwards upwards at the side downwards at the side downwards at the side downwards at the side | 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm | | |
| downwards at the side for grounded parts forwards backwards upwards at the side downwards for live parts forwards backwards upwards at the side downwards at the side backwards at the side downwards at the side downwards at the side downwards or at the side type of electrical connection for main current circuit | 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm | | |
| downwards at the side for grounded parts forwards backwards upwards at the side downwards for live parts for live parts forwards backwards upwards at the side downwards at the side forwards at the side for auxiliary and control circuit | 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm | | |
| downwards at the side for grounded parts forwards backwards upwards at the side downwards for live parts forwards backwards upwards at the side downwards at the side backwards at the side downwards at the side downwards at the side downwards or at the side type of electrical connection for main current circuit | 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm | | |

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| finely stranded with | ith core end processing | 2x (1 | 2x (1.5 4 mm²) | | | |
|--|---|-------|--|-------------------------------|---|--|
| | onductor cross-sections | | , | | | |
| for auxiliary containing | acts | | | | | |
| — solid or stranded | | 2x (1 | 2x (1 2.5 mm²) | | | |
| — finely stranded with core end processing | | 2x (0 | 2x (0.75 1.5 mm ²) | | | |
| Safety related data | | | | | | |
| product function mirror contact according to IEC 60947-4-1 | | | Yes; One NC contact each must be connected in series for the right and left auxiliary switch block respectively | | | |
| protection class IP on | protection class IP on the front according to IEC 60529 | | IP00 | | | |
| Certificates/ approvals | | | | | | |
| General Product Appr | roval | | | | Functional Safety/Safety of Ma- chinery | |
| (SP) | Confirmation |) | | EHC | Type Examination Cer- tificate | |
| Functional Safety/Safety of Ma- chinery | Declaration of Conformity | | Test Certificates | | | |
| <u>Type Examination Cer-</u> tificate | CE EG-Konf. | A | <u>Miscellaneous</u> | Special Test Certific- ate | Type Test Certific- ates/Test Report | |
| 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=3TC4417-0BN2

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TC4417-0BN2

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

https://support.industry.siemens.com/cs/ww/en/ps/3TC4417-0BN2

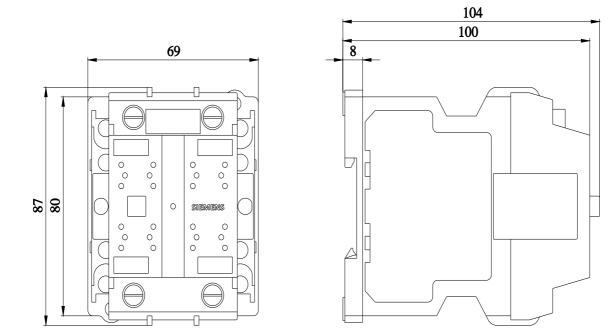
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

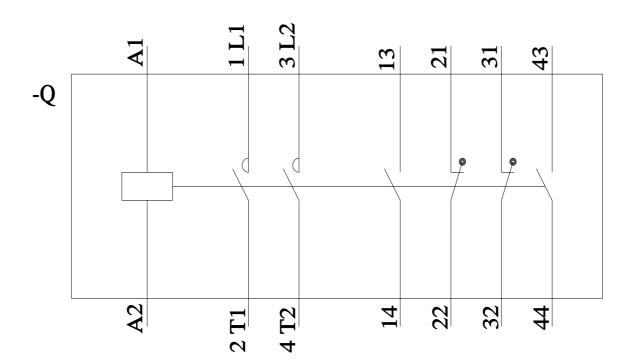
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TC4417-0BN2&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3TC4417-0BN2/char

<u>Further exerciteriation (a.g. electrical and transport of the regulation</u>

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TC4417-0BN2&objecttype=14&gridview=view1





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