## SIEMENS

## Data sheet

## 3TC4817-0AF4



Contactor, Size 4, 2-pole, DC-3 and 5, 75 A Auxiliary switch 22 (2 NO + 2 NC) 110V DC DC operation

| product designation   | Contactor              |
|---|------------------------|
| product type designation  | 3TC                    |
| General technical data  |                        |
| size of contactor   | 4                      |
| product extension   |                        |
| <ul> <li>function module for communication</li> </ul>   | No                     |
| <ul> <li>auxiliary switch</li> </ul>  | Yes                    |
| insulation voltage rated value  | 800 V                  |
| maximum permissible voltage for protective separation between<br>coil and main contacts according to EN 60947-1 | 300 V                  |
| shock resistance at rectangular impulse   |                        |
| • at DC   | 10g / 5 ms, 5g / 10 ms |
| mechanical service life (operating cycles)  |                        |
| <ul> <li>of contactor typical</li> </ul>  | 10 000 000             |
| <ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>                                  | 10 000 000             |
| reference code according to IEC 81346-2   | Q                      |
| Substance Prohibitance (Date)   | 03/01/2017             |
| Ambient conditions  |                        |
| ambient temperature   |                        |
| <ul> <li>during operation</li> </ul>  | -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   |                        |
| <ul> <li>at 1 current path at DC-1</li> </ul>   |                        |
| — at 24 V rated value   | 75 A                   |
| — at 110 V rated value  | 75 A                   |
| — at 220 V rated value  | 75 A                   |
| <ul> <li>with 2 current paths in series at DC-1</li> </ul>  |                        |
| — at 24 V rated value   | 75 A                   |
| — at 110 V rated value  | 75 A                   |
| — at 220 V rated value  | 75 A                   |
| — at 440 V rated value  | 75 A                   |
| — at 600 V rated value  | 75 A                   |

| — at 750 V rated value  | 75 A  |
|---|---|
| <ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>   |   |
| — at 24 V rated value   | 75 A  |
| — at 110 V rated value  | 75 A  |
| — at 220 V rated value  | 75 A  |
| <ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>  |   |
| — at 24 V rated value   | 75 A  |
| — at 110 V rated value  | 75 A  |
| — at 220 V rated value  | 75 A  |
| — at 440 V rated value  | 75 A  |
| — at 600 V rated value  | 75 A  |
| — at 750 V rated value  | 75 A  |
|   | 75 A  |
| operating power<br>• at DC-1  |   |
|   | 0.0 1/1/1   |
| - at 110 V rated value  | 8.2 kW  |
| - at 220 V rated value  | 16.5 kW   |
| — at 440 V rated value  | 33 kW   |
| — at 750 V rated value  | 56 kW   |
| • at DC-3 at DC-5   |   |
| — at 110 V rated value  | 6.5 kW  |
| — at 220 V rated value  | 13 kW   |
| — at 440 V rated value  | 27 kW   |
| — at 600 V rated value  | 38 kW   |
| — at 750 V rated value  | 45 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   | DC  |
|   |   |
| control supply voltage at DC  |   |
| <ul><li>control supply voltage at DC</li><li>rated value</li></ul>  | 110 V   |
|   | 110 V<br>19 W   |
| rated value   |   |
| rated value     closing power of magnet coil at DC  | 19 W  |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC   | 19 W<br>19 W  |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC   | 19 W<br>19 W<br>90 380 ms   |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC   | 19 W<br>19 W<br>90 380 ms<br>17 28 ms   |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time   | 19 W<br>19 W<br>90 380 ms<br>17 28 ms   |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit   | 19 W<br>19 W<br>90 380 ms<br>17 28 ms<br>20 30 ms   |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts  | 19 W<br>19 W<br>90 380 ms<br>17 28 ms<br>20 30 ms   |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> </ul>  | 19 W<br>19 W<br>90 380 ms<br>17 28 ms<br>20 30 ms<br>22<br>2  |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts         • instantaneous contact     number of NO contacts for auxiliary contacts   | 19 W<br>19 W<br>90 380 ms<br>17 28 ms<br>20 30 ms<br>22<br>2<br>2   |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts         e instantaneous contact     number of NO contacts for auxiliary contacts         e instantaneous contact     number of NO contacts for auxiliary contacts         e instantaneous contact     number of CO contacts for auxiliary contacts   | 19 W<br>19 W<br>90 380 ms<br>17 28 ms<br>20 30 ms<br>22<br>2<br>2<br>2<br>2   |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts         e instantaneous contact     number of NO contacts for auxiliary contacts         e instantaneous contact     number of CO contacts for auxiliary contacts         identification number and letter for switching elements  | 19 W<br>19 W<br>90 380 ms<br>17 28 ms<br>20 30 ms<br>22<br>2<br>2<br>2<br>2<br>2<br>0   |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts         e instantaneous contact     number of NO contacts for auxiliary contacts         e instantaneous contact     number of NO contacts for auxiliary contacts         e instantaneous contact     number of CO contacts for auxiliary contacts   | 19 W<br>19 W<br>90 380 ms<br>17 28 ms<br>20 30 ms<br>22<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2  |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> </ul>   | 19 W<br>19 W<br>90 380 ms<br>17 28 ms<br>20 30 ms<br>22<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2  |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     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         instantaneous contact         number of CO contacts for auxiliary contacts         ionstantaneous contact         number of CO contacts for auxiliary contacts         ionstantaneous contact         number of CO contacts for auxiliary contacts         ionstantaneous contact         number of CO contacts for auxiliary contacts         ionstantaneous contact         number of CO contacts for auxiliary contacts         ionstantaneous contact         number of CO contacts for auxiliary contacts         ionstantaneous contact         number of CO contacts for auxiliary contacts         ionstantaneous contact         number of CO contacts for auxiliary contacts         ionstantaneous contact         number of CO contacts for auxiliary contacts         ionstantaneous contact         number of CO contacts for auxiliary contacts         ionstantaneous contact         number of CO contacts for auxiliary contacts         ionstantaneous contact         identification number and letter for switching elements         operational current at AC-12 maximum         operational current at AC-15         ionstantace         ionstan | 19 W<br>19 W<br>90 380 ms<br>17 28 ms<br>20 30 ms<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>10 A<br>5.6 A   |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts         e instantaneous contact         number of NO contacts for auxiliary contacts         e instantaneous contact         number of CO contacts for auxiliary contacts         instantaneous contact         iumber of CO contacts for auxiliary contacts         iidentification number and letter for switching elements         operational current at AC-12 maximum         operational current at AC-15         e at 230 V rated value         e at 400 V rated value  | 19 W<br>19 W<br>90 380 ms<br>17 28 ms<br>20 30 ms<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>10 A<br>5.6 A<br>3.6 A   |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts         e instantaneous contact     number of NO contacts for auxiliary contacts         e instantaneous contact     number of CO contacts for auxiliary contacts         instantaneous contact     number of CO contacts for auxiliary contacts         instantaneous contact         number of CO contacts for auxiliary contacts         operational current at AC-12 maximum         operational current at AC-15         e at 230 V rated value         e at 500 V rated value  | 19 W<br>19 W<br>90 380 ms<br>17 28 ms<br>20 30 ms<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>10 A<br>5.6 A   |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15                 <ul> <li>at 230 V rated value</li> <li>at 500 V rated value</li></ul></li></ul>  | 19 W<br>19 W<br>90 380 ms<br>17 28 ms<br>20 30 ms<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>10 A<br>5.6 A<br>3.6 A<br>2.5 A  |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 500 V rated value</li> <li>at 500 V rated value</li> <li>at 24 V rated value</li> </ul>  | 19 W<br>90 380 ms<br>17 28 ms<br>20 30 ms<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>10 A<br>5.6 A<br>3.6 A<br>2.5 A<br>10 A   |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15                 <ul> <li>at 230 V rated value</li> <li>at 500 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li></ul></li></ul>   | 19 W<br>90 380 ms<br>17 28 ms<br>20 30 ms<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>10 A<br>5.6 A<br>3.6 A<br>2.5 A<br>10 A  |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts         e instantaneous contact     number of NO contacts for auxiliary contacts         e instantaneous contact     number of CO contacts for auxiliary contacts         instantaneous contact     identification number and letter for switching elements     operational current at AC-12 maximum     operational current at AC-15         e at 230 V rated value         e at 400 V rated value         e at 400 V rated value         e at 48 V rated value         e at 48 V rated value         e at 60 V rated value   | 19 W<br>90 380 ms<br>17 28 ms<br>20 30 ms<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>10 A<br>5.6 A<br>3.6 A<br>2.5 A<br>10 A<br>10 A  |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15                 <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 448 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> </ul> </li> </ul>  | 19 W<br>90 380 ms<br>17 28 ms<br>20 30 ms<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>0<br>22<br>10 A<br>5.6 A<br>3.6 A<br>2.5 A<br>10 A<br>10 A<br>10 A  |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 500 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> </ul>   | 19 W<br>90 380 ms<br>17 28 ms<br>20 30 ms<br>2<br>2<br>2<br>2<br>2<br>2<br>10 A<br>5.6 A<br>3.6 A<br>2.5 A<br>10 A  |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> </ul> <li>number of CO contacts for auxiliary contacts         <ul> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15                 <ul> <li>at 230 V rated value</li> <li>at 500 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> </ul></li></ul></li>  | 19 W<br>19 W<br>90 380 ms<br>17 28 ms<br>20 30 ms<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2  |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at DC-12</li> <li>at 230 V rated value</li> <li>at 500 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V</li></ul>  | 19 W<br>90 380 ms<br>17 28 ms<br>20 30 ms<br>2<br>2<br>2<br>2<br>2<br>2<br>10 A<br>5.6 A<br>3.6 A<br>2.5 A<br>10 A  |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 500 V rated value</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li></ul>  | 19 W         90 380 ms         17 28 ms         20 30 ms         2         10 A         2.5 A         0.9 A         0.22 A            |
| <ul> <li>rated value</li> <li>closing power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>closing delay at DC</li> <li>opening delay at DC</li> <li>arcing time</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> </ul> </li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> </ul>   | 19 W<br>19 W<br>90 380 ms<br>17 28 ms<br>20 30 ms<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>10 A<br>5.6 A<br>3.6 A<br>2.5 A<br>10 A<br>10 A<br>10 A<br>10 A<br>10 A<br>10 A<br>10 A   |
| rated value     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 500 V rated value</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li></ul>  | 19 W         90 380 ms         17 28 ms         20 30 ms         2         10 A         10 A         10 A         10 A         10 A         10 A         3.2 A         2.5 A         0.9 A         0.22 A |

| at 110 V rated value     at 125 V rated value   | 1.14 A   |
|---|--|
| at 125 V rated value     at 220 V rated value   | 0.98 A   |
| <ul> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul>                  | 0.48 A<br>0.07 A   |
| • at 600 V rated value<br>L/CSA ratings   | 0.07 A   |
| contact rating of auxiliary contacts according to UL                                    | A600 / P600  |
| nort-circuit protection   |  |
| design of the fuse link   |  |
| <ul> <li>for short-circuit protection of the main circuit</li> </ul>                    |  |
| - with type of coordination 1 required  | 2 x 3NA31 (160 A) in series (750 V, 5 kA)  |
| - with type of assignment 2 required  | 2 x 3NA31 (63 A) in series (750 V, 5 kA)   |
| <ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>       | gG: 16 A (500 V, 1 kA)   |
| stallation/ mounting/ dimensions  |  |
| mounting position   | +/-22,5° rotation possible on vertical mounting surface; can be tilted forward<br>and backward by +/- 22.5° on vertical mounting surface; standing, on horizont<br>mounting surface  |
| fastening method  | screw fixing   |
| <ul> <li>side-by-side mounting</li> </ul>   | Yes  |
| height  | 177.5 mm   |
| width   | 100 mm   |
| depth   | 184 mm   |
| required spacing  |  |
| <ul> <li>with side-by-side mounting</li> </ul>  |  |
| — forwards  | 20 mm  |
| — backwards   | 0 mm   |
| — upwards   | 10 mm  |
| — downwards   | 10 mm  |
| — at the side   | 10 mm  |
| <ul> <li>for grounded parts</li> </ul>  |  |
| — forwards  | 55 mm  |
| — backwards   | 0 mm   |
| — upwards   | 10 mm  |
| — at the side   | 10 mm  |
| — downwards   | 10 mm  |
| for live parts  |  |
| — forwards  | 55 mm  |
| — backwards   | 0 mm   |
| — upwards   | 10 mm  |
| — downwards   | 10 mm  |
| — at the side<br>onnections/ Terminals  | 10 mm  |
|   |  |
| <ul> <li>ype of electrical connection</li> <li>for main current circuit</li> </ul>      | screw-type terminals   |
| <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul> | screw-type terminals<br>screw-type terminals   |
| • for auxiliary and control circuit   | sorew-type terminals   |
| for auxiliary contacts  |  |
| - solid or stranded   | 2x (1 2.5 mm²)   |
| <ul> <li>— finely stranded with core end processing</li> </ul>                          | 2x (0.75 1.5 mm <sup>2</sup> )   |
| afety related data  |  |
| product function mirror contact according to IEC 60947-4-1                              | Yes  |
| protection class IP on the front according to IEC 60529                                 | IP00; IP20 with box terminal/cover   |
| touch protection on the front according to IEC 60529                                    | finger-safe, for vertical contact from the front with cover  |
| ertificates/ approvals  |  |
| General Product Approval  | Functional<br>Safety/Safety of M<br>chinery  |
|   | tion Supervision Contraction C |

| Functional<br>Safety/Safety of Ma-<br>chinery   | Declaration of Conform | ty       | Test Certificates    |   |                               |
|---|------------------------|----------|----------------------|---|-------------------------------|
| <u>Type Examination Cer-</u><br><u>tificate</u> | CE<br>EG-Konf.         | UK<br>CA | <u>Miscellaneous</u> | Type Test Certific-<br>ates/Test Report | Special Test Certific-<br>ate |
| 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=3TC4817-0AF4

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TC4817-0AF4

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

https://support.industry.siemens.com/cs/ww/en/ps/3TC4817-0AF4

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

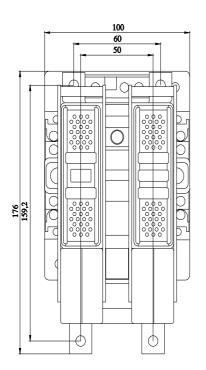
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3TC4817-0AF4&lang=en

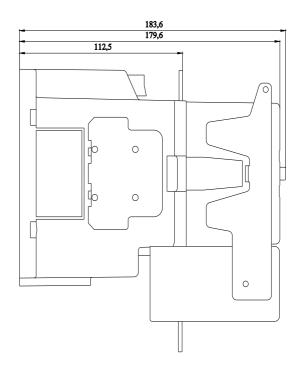
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

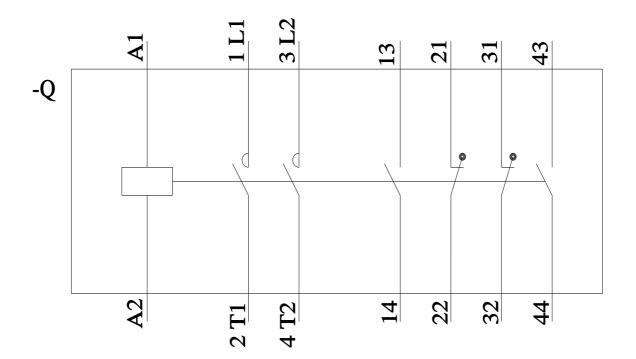
https://support.industry.siemens.com/cs/ww/en/ps/3TC4817-0AF4/char

Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TC4817-0AF4&objecttype=14&gridview=view1







2/13/2023 🖸

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