## **SIEMENS**

Data sheet 3TC4817-0BU0



Contactor, Size 4, 2-pole, DC-3 and 5, 75 A Auxiliary switch 22 (2 NO + 2 NC) 240 V AC 50 Hz/288 V AC 60 Hz AC 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	
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 V	
shock resistance at rectangular impulse		
• at AC	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	
SVHC substance name	Lead - 7439-92-1	
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		
• at 1 current path at DC-1		
— 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
• at 1 current path at DC-3 at DC-5	
— 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
operating power	
• at DC-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	AC
control supply voltage at AC	
at 50 Hz rated value	240 V
• at 60 Hz rated value	288 V
operating range factor control supply voltage rated value of magnet coil at AC	
● at 50 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	300 VA
● at 50 Hz	300 VA
• at 60 Hz	365 VA
inductive power factor with closing power of the coil	0.5
• at 50 Hz	0.5
• at 60 Hz	0.45
apparent holding power of magnet coil at AC	26 VA
● at 50 Hz	
	26 VA
• at 60 Hz	26 VA 35 VA
• at 60 Hz	35 VA
• at 60 Hz inductive power factor with the holding power of the coil	35 VA 0.24
at 60 Hz  inductive power factor with the holding power of the coil     at 50 Hz	35 VA 0.24 0.24
at 60 Hz  inductive power factor with the holding power of the coil     at 50 Hz     at 60 Hz	35 VA 0.24 0.24 0.26
at 60 Hz  inductive power factor with the holding power of the coil     at 50 Hz     at 60 Hz  arcing time	35 VA 0.24 0.24 0.26
at 60 Hz  Inductive power factor with the holding power of the coil     at 50 Hz     at 60 Hz  arcing time  Auxiliary circuit	35 VA 0.24 0.24 0.26 20 30 ms
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	35 VA 0.24 0.24 0.26 20 30 ms
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	35 VA 0.24 0.24 0.26 20 30 ms
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	35 VA 0.24 0.24 0.26 20 30 ms
at 60 Hz  inductive power factor with the holding power of the coil at 50 Hz at 60 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	35 VA 0.24 0.24 0.26 20 30 ms
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	35 VA  0.24  0.26  20 30 ms  2  2  2  2  0
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 identification number and letter for switching elements	35 VA  0.24  0.26  20 30 ms  2  2  2  2  2  2  2
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 number and letter for switching elements operational current at AC-12 maximum	35 VA  0.24  0.26  20 30 ms  2  2  2  2  2  2  2
at 60 Hz  inductive power factor with the holding power of the coil at 50 Hz at 60 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 switching elements operational current at AC-12 maximum operational current at AC-15	35 VA 0.24 0.24 0.26 20 30 ms

### 1.00 or hard value   2.5 %	a at EOO V rated value	2.5.4
# 22 AV rated value	at 500 V rated value	2.5 A
10 A   16 de V riades value	•	40.4
e. at 10 V rated value		
eat 11 OV rated value		
125 V rised value		
e. at 220 V rised value		
e at 800 V rated value operational current at DC-13  • at 48 V rated value • at 60 V rated value • at 100 V rated value • at 100 V rated value • at 200 V rated value • at 800 V rated val		
operational current at DC-13		
at 24 V rated value at 48 V rated value at 48 V rated value at 10 V rated value at 110 V rated value at 120 V rated value at 220 V rated value at 200 V rated value at 200 V rated value be at 800 V rated value at 200 V rated value be at 800 V rated value be value contact rating of auxiliary contacts according to UL  Short-circuit protection design of the fuse link of or short-circuit protection of the main circuit  - with type of coordination 1 required - with type of the auxiliary switch required firstation in mounting dimensions  mounting position  4-22,5" rotation possible on vertical mounting surface; can be titled forward and backward by 4-22.5" on vertical mounting surface; standing, on horizontal mounting surface; stan		0.22 A
at 16 V rated value bat 10 V rated value 1.14 A 1.12 V rated value 1.14 A 1.12 V rated value 0.88 A 1.12 V rated value 0.98 A 1.12 V rated value 0.07 A  ULCSA ratings  contact rating of auxillary contacts according to UL Short-circuit protection  design of the fuse link for short-circuit protection of the main circuit with yee of coordination 1 required vier by en of assignment 2 required vier by en disassignment 2 required vier short-circuit protection of the auxiliary switch required vier short-circuit protection of the auxiliary switch required vier short-circuit protection of the auxiliary switch required short per disassignment 2 required vier short-circuit protection of the auxiliary switch required short per disassignment 2 required vier short-circuit protection of the auxiliary switch required short per disassignment 2 required vier short-circuit protection of the auxiliary switch required short per disassignment 2 required vier short per disassignment 2 required spacing vier short per disassignment 2 required vier vier short per disassignment 2 required vier vier short per disassignment 2 required vier vier vier short per vier vier short per vier vier short per vier vier short per vier vier vier vier vier vier vier vi	•	
a st 60 V rated value		
at 110 V rated value   0.98 A   at 120 V rated value   0.48 A   at 120 V rated value   0.48 A   at 120 V rated value   0.48 A   at 1500 V rated value   0.07 A		
at 125 V rated value at 220 V rated value 0.07 A  ULCSA rateings contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link - for short-circuit protection of the main circuit - with type of coordination 1 required - with type of coordination 1 required - with type of assignment 2 required 2 x 3NA31 (180 A) in series (750 V, 5 kA) - or short-circuit protection of the auxiliary switch required 9 for short-circuit protection of the auxiliary switch required 1 fastalization mounting dimensions  mounting position  ***P22.5" rotation possible on vertical mounting surface; can be titled forward and backward by +f- 22.5" on vertical mounting surface; standing, on horizontal mounting surface; stand		
at 220 V rated value  at 200 V rated value  0.07 A  UUCSA ratings  contact rating of auxiliary contacts according to UL  A600 / P600  Short-circuit protection  design of the fuse link  of or short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  of or short-circuit protection of the auxiliary switch required  installation) mounting idimensions  mounting position  #/22,5 ' rotation possible on vertical mounting surface; can be titled forward and backward by + 22.5 ' on vertical mounting surface; standing, on horizontal mounting surface; can be titled forward and surface; standing, on horizontal mounting surface; can be titled forward and surface;		
• at 600 V rated value  ULUCSA ratings contact rating of auxiliary contacts according to UL  A6007 P600  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of coordination 1 required  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  mounting position  **C25,5" rotation possible on vertical mounting surface; can be tilted forward and backward by +1-22.5" on vertical mounting surface; standing, on horizontal mounting surface; standing,		0.98 A
contact rating of auxiliary contacts according to UL A600 / P600  design of the fuse link	at 220 V rated value	0.48 A
contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  of ro short-circuit protection of the main circuit  - with type of coordination 1 required  - with type of assignment 2 required  of ror short-circuit protection of the auxiliary switch required  in for short-circuit protection of the auxiliary switch required  for short-circuit protection of the auxiliary switch required  in for short-circuit protection of the auxiliary switch required  in for short-circuit protection of the auxiliary switch required  in shallator mounting of dimensions  mounting position  ##22,5** rotation possible on vertical mounting surface; can be tilled forward and backward by #-22,5** or vertical mounting surface; standing, on horizontal mounting s	at 600 V rated value	0.07 A
Short-circuit protection   design of the fuse link	UL/CSA ratings	
design of the fuse link  • for short-circuit protection of the main circuit  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  Installation mounting functions  mounting position  ##422,5** rotation possible on vertical mounting surface; can be tilled forward and backward by +**2.2.5** on vertical mounting surface; standing, on horizontal mountin	contact rating of auxiliary contacts according to UL	A600 / P600
• for short-circuit protection of the main circuit  — with type of coordination 1 required — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required mounting position  **P22,5" rotation possible on vertical mounting surface; can be tilted forward and backward by **P22.5" on vertical mounting surface; standing, on horizontal mounting surfa	Short-circuit protection	
- with type of coordination 1 required    - with type of assignment 2 required    - with type of assignment 2 required    - for short-circuit protection of the auxillary switch required  Installation/ mounting/ dimensions  mounting position  ##22.5* on vertical mounting surface; can be tilted forward and backward by +#-22.5* on vertical mounting surface; standing, on horizontal mounting surface  ##22.5* on vertical mounting surface; standing, on horizontal mounting surface; standing, on	design of the fuse link	
- with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  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  fastening method  screw fixing  helight  177.5 mm  width  100 mm  depth  required spacing  • with side-by-side mounting  - forwards  - backwards  - upwards  - at the side  • for grounded parts  - forwards  - upwards  - backwards  - upwards  - to mm  - upwards  - to mm  - upwards  - to mm  - upwards  - backwards  - upwards  - to mm  - at the side  - downwards  - to mm  - upwards  - to mm  - at the side  - downwards  - to mm  - upwards  - to mm  - upwards  - to mm  - upwards  - to mm  - to downwards  - upwards  - to mm  - upwards  - to mm  - downwards  - upwards  - to mm  - downwards  - upwards  - to mm  - to man current circuit  - for auxiliary and north circuit  - for maillary and control circuit  - solid or stranded  - solid or stranded  - solid or stranded  - for auxiliary contacts  - solid or stranded  - finely stranded with core end processing  2x (1 2.5 mm²)  - finely stranded with core end processing	<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
• for short-circuit protection of the auxiliary switch required Installation mounting dimensions  mounting position	<ul> <li>— with type of coordination 1 required</li> </ul>	2 x 3NA31 (160 A) in series (750 V, 5 kA)
mounting position  ##-22,5" rotation possible on vertical mounting surface; can be tilted forward and backward by +f-22,5" on vertical mounting surface; standing, on horizontal mounting surface; sta	<ul> <li>— with type of assignment 2 required</li> </ul>	2 x 3NA31 (63 A) in series (750 V, 5 kA)
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 height 177.5 mm width 100 mm depth 156 mm  required spacing  • with side-by-side mounting — forwards 20 mm — backwards 0 mm — downwards 10 mm — at the side 10 mm — at the side 10 mm — backwards 0 mm — puwards 55 mm — backwards 0 mm — at the side 10 mm — to mission and the side 10 mm  • for grounded parts — forwards 55 mm — backwards 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  • for live parts — backwards 0 mm — upwards 10 mm — the side 10 mm — the	<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 16 A (500 V, 1 kA)
and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal mounting surface fastening method screw fixing height 177.5 mm width 100 mm depth 156 mm  required spacing  • with side-by-side mounting  — forwards 20 mm — backwards 0 mm — upwards 10 mm — at the side 10 mm  • for grounded parts — forwards 0 mm — backwards 0 mm  • for grounded parts — forwards 10 mm  • for five parts — at the side 10 mm  • at the side 10 mm  • the side 10 mm  • for live parts — downwards 10 mm  • for live parts — forwards 55 mm — backwards 0 mm  • for live parts — forwards 55 mm  • backwards 0 mm  • for live parts — forwards 55 mm  • connections/ Terminals  type of electrical connection • for auxiliary and control circuit screw-type terminals  type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded 2x (1 2.5 mm²)  — finely stranded with core end processing 2x (0.75 1.5 mm²)	Installation/ mounting/ dimensions	
fastening method screw fixing height 177.5 mm width 100 mm depth 156 mm required spacing • with side-by-side mounting — forwards — backwards — upwards — odwnwards — 10 mm — downwards — for grounded parts — forwards — backwards — o mm — owards — the side • for grounded parts — forwards — backwards — upwards — 10 mm  • for grounded parts — forwards — backwards — upwards — 10 mm  • of main current circuit — downwards — 10 mm  • for live parts — forwards • for live parts — forwards — upwards — upwards — the side — upwards — the side  Connections/Terminals  type of electrical connection • for auxiliary and control circuit screw-type terminals  type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing  2x (1 2.5 mm²) — finely stranded with core end processing	mounting position	
fastening method   177.5 mm   width   100 mm   depth   156 mm     156 mm		
height 177.5 mm  width 100 mm  depth 156 mm  required spacing  • with side-by-side mounting  — forwards 20 mm  — backwards 0 mm  — upwards 10 mm  — at the side 10 mm  • for grounded parts  — forwards 55 mm  — backwards 0 mm  — upwards 10 mm  • for grounded parts  — forwards 10 mm  • for grounded parts  — forwards 10 mm  • backwards 0 mm  — upwards 10 mm  • or mm  — at the side 10 mm  • or mm  — at the side 10 mm  • for live parts  — forwards 55 mm  • oomnwards 0 mm  • for live parts  — forwards 55 mm  • of or live parts  — forwards 10 mm  • or mm  — upwards 10 mm  — upwards 10 mm  — upwards 10 mm  — odownwards 10 mm  — odownwards 10 mm  — of or music connection 50 mm  — at the side 10 mm  • for main current circuit 50 screw-type terminals  • for auxiliary and control circuit 50 screw-type terminals  • for auxiliary and control circuit 50 screw-type terminals  • for auxiliary and control circuit 50 screw-type terminals  • for auxiliary contacts  — solid or stranded 2x (1 2.5 mm²)  — solid or stranded 2x (1 2.5 mm²)  — solid or stranded 2x (1 2.5 mm²)  — solid or stranded 2x (0.75 1.5 mm²)	factories worth ad	•
width         100 mm           depth         156 mm           required spacing		-
depth required spacing  with side-by-side mounting - forwards - backwards - upwards - downwards - at the side for grounded parts - forwards - upwards - forwards - for grounded parts - forwards - backwards - backwards - backwards - backwards - upwards - 10 mm - backwards - upwards - 10 mm - upwards - 10 mm - upwards - 10 mm - words - at the side - downwards - for live parts - for live parts - forwards - backwards - upwards - backwards - umm - to mm - to main current circuit - for main current circuit - for main current circuit - for auxiliary and control circuit - for auxiliary contacts - solid or stranded - finely stranded with core end processing - 2x (1 2.5 mm²) - finely stranded with core end processing		
required spacing  • with side-by-side mounting  — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — backwards — o mm — upwards — the side • for grounded parts — forwards — backwards — upwards — at the side — 10 mm  • for live parts — for live parts — forwards — backwards — upwards — to mm • for live parts — forwards — backwards — upwards — to mm • for live parts — forwards — backwards — upwards — upwards — to mm  — upwards — to mm  — upwards — to mm  — to mm  — at the side — to mm  — downwards — at the side — to mm  — to mail any and control circuit  — so id or stranded — for auxiliary contacts — so id or stranded — finely stranded with core end processing  2x (1 2.5 mm²) — finely stranded with core end processing		
with side-by-side mounting     — forwards     — backwards     — upwards     — upwards     — at the side     • for grounded parts     — forwards     — backwards     — backwards     — on m     — at the side     • for grounded parts     — forwards     — backwards     — backwards     — upwards     — upwards     — at the side     — downwards     — of mm     — at the side     — downwards     — for live parts     — forwards     — forwards     — forwards     — backwards     — upwards     — upwards     — to mm     — at the side     — upwards     — backwards     — upwards     — upwards     — upwards     — to mm     — at the side     — connections/ Terminals      type of electrical connection     • for main current circuit     • for auxillary and control circuit     * screw-type terminals      type of connectable conductor cross-sections     • for auxillary contacts     — solid or stranded     — finely stranded with core end processing     2x (1 2.5 mm²)     2x (0.75 1.5 mm²)	<u> </u>	156 mm
forwards 20 mm backwards 0 mm backwards 10 mm downwards 10 mm at the side 10 mm for grounded parts forwards 55 mm backwards 0 mm at the side 10 mm downwards 10 mm for live parts forwards 55 mm backwards 0 mm towards 55 mm backwards 10 mm at the side 10 mm at the side 10 mm at the side 55 mm backwards 10 mm at the side 10 mm downwards 10 mm downwards 10 mm at the side 10 mm at the side 10 mm at the side 10 mm  Connections/ Terminals  type of electrical connection screw terminal for main current circuit screw-type terminals for auxiliary and control circuit screw-type terminals  type of connectable conductor cross-sections for auxiliary contacts solid or stranded 2x (1 2.5 mm²) finely stranded with core end processing 2x (0.75 1.5 mm²)		
backwards 0 mm upwards 10 mm downwards 10 mm at the side 10 mm  for grounded parts forwards 55 mm backwards 0 mm upwards 10 mm at the side 10 mm at the side 10 mm at the side 10 mm downwards 10 mm downwards 55 mm for live parts forwards 55 mm backwards 0 mm backwards 10 mm at the side 55 mm backwards 10 mm at the side 10 mm downwards 10 mm at the side 10 mm at the side 50 mm	-	
— upwards         10 mm           — downwards         10 mm           — at the side         10 mm           • for grounded parts         55 mm           — forwards         55 mm           — backwards         0 mm           — upwards         10 mm           — at the side         10 mm           — downwards         10 mm           — for live parts         55 mm           — backwards         0 mm           — upwards         10 mm           — downwards         10 mm           — at the side         10 mm           Connections/ Terminals         screw terminal           type of electrical connection         screw-type terminals           • for main current circuit         screw-type terminals           • for auxiliary and control circuit         screw-type terminals           type of connectable conductor cross-sections         • for auxiliary contacts           — solid or stranded         2x (1 2.5 mm²)           — finely stranded with core end processing         2x (0.75 1.5 mm²)		
- downwards 10 mm - at the side 10 mm  • for grounded parts - forwards 55 mm - backwards 0 mm - upwards 10 mm - at the side 10 mm - at the side 10 mm - downwards 10 mm • for live parts - forwards 55 mm - backwards 0 mm - upwards 10 mm - for live parts - forwards 55 mm - backwards 0 mm - upwards 10 mm - at the side 10 mm - downwards 10 mm - at the side 10 mm - at the side 50 mm - at t		
- at the side 10 mm  • for grounded parts  - forwards 55 mm  - backwards 0 mm  - upwards 10 mm  - at the side 10 mm  - downwards 10 mm  • for live parts  - forwards 55 mm  • for live parts  - forwards 55 mm  - backwards 0 mm  - backwards 10 mm  - at the side 10 mm  - backwards 10 mm  - backwards 10 mm  - upwards 10 mm  - upwards 10 mm  - downwards 10 mm  - downwards 10 mm  - at the side 10 mm   Connections/ Terminals  type of electrical connection screw terminal screw-type terminals  • for auxiliary and control circuit screw-type terminals  type of connectable conductor cross-sections  • for auxiliary contacts  - solid or stranded 2x (1 2.5 mm²)  - finely stranded with core end processing 2x (0.75 1.5 mm²)	·	
for grounded parts         — forwards         — backwards         — upwards         — upwards         — at the side         — downwards         — for live parts         — forwards         — backwards         — forwards         — forwards         — backwards         — backwards         — upwards         — upwards         — upwards         — at the side         — 10 mm         — at waste side         — upwards         — downwards         — at the side         — 10 mm         — at the side  Connections/ Torminals  type of electrical connection         • for auxiliary and control circuit         • for auxiliary and control circuit         • for auxiliary contacts         — solid or stranded         — solid or stranded         — finely stranded with core end processing         2x (1 2.5 mm²)         — finely stranded with core end processing		
Forwards For		10 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 - upwards 10 mm - at the side 10 mm - upwards 10 mm - upwards 10 mm - at the side 10 mm - at the side 10 mm - at the side 5 mm   Connections/ Terminals  type of electrical connection screw terminal • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals  type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded 2x (1 2.5 mm²) - finely stranded with core end processing 2x (0.75 1.5 mm²)		
- upwards - at the side - downwards 10 mm - downwards 10 mm		
- at the side - downwards 10 mm  • for live parts - forwards 55 mm - backwards 0 mm - upwards 10 mm - downwards 10 mm - at the side 10 mm  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 - finely stranded with core end processing 2x (0.75 1.5 mm²) - finely stranded with core end processing		
<ul> <li>downwards</li> <li>for live parts</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>type of electrical connection</li> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>10 mm</li> <li>mm</li> <li>mm</li> <li>mm</li> <li>connections/ Terminals</li> <li>screw terminal</li> <li>screw-type terminals</li> <li>screw-type terminals</li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>2x (1 2.5 mm²)</li> <li>2x (0.75 1.5 mm²)</li> </ul>	·	
for live parts         — forwards         — backwards         — upwards         — 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         — finely stranded with core end processing	— at the side	
forwards 55 mm  backwards 0 mm  upwards 10 mm  downwards 10 mm  at the side 10 mm   Connections/ Terminals  type of electrical connection screw terminal  • for main current circuit screw-type terminals  • for auxiliary and control circuit screw-type terminals  type of connectable conductor cross-sections  • for auxiliary contacts  solid or stranded 2x (1 2.5 mm²)  finely stranded with core end processing 2x (0.75 1.5 mm²)	— downwards	10 mm
- backwards - upwards 10 mm - downwards 10 mm - at the side 10 mm  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 - finely stranded with core end processing  0 mm 10 mm 2 crew terminal screw-type terminals  2 crew-type terminals  2 crew-type terminals  2 crew-type terminals	• for live parts	
- 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 - finely stranded with core end processing  10 mm  10 mm  2crew-type  screw terminal  screw-type terminals  2crew-type terminals  2x (1 2.5 mm²)  2x (0.75 1.5 mm²)	— forwards	55 mm
- downwards - at the side 10 mm  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 - finely stranded with core end processing  10 mm  10 mm  2 crew terminal  screw terminals  screw-type terminals  2 crew-type terminals  2 crew-type terminals  2 crew-type terminals	— backwards	0 mm
- at the side 10 mm  Connections/ Terminals  type of electrical connection screw terminal  • for main current circuit screw-type terminals  • for auxiliary and control circuit screw-type terminals  type of connectable conductor cross-sections  • for auxiliary contacts  - solid or stranded 2x (1 2.5 mm²)  - finely stranded with core end processing 2x (0.75 1.5 mm²)	— upwards	10 mm
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 - finely stranded with core end processing  screw terminal  screw-type terminals  screw-type terminals  2x (1 2.5 mm²)  2x (0.75 1.5 mm²)	— downwards	10 mm
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 — finely stranded with core end processing  screw-type terminals  2x (1 2.5 mm²)  2x (0.75 1.5 mm²)	— at the side	10 mm
for main current circuit         screw-type terminals         for auxiliary and control circuit         screw-type terminals      type of connectable conductor cross-sections         for auxiliary contacts             — solid or stranded             — finely stranded with core end processing             2x (1 2.5 mm²)             2x (0.75 1.5 mm²)	Connections/ Terminals	
◆ for auxiliary and control circuit      type of connectable conductor cross-sections     ◆ for auxiliary contacts         — solid or stranded         — finely stranded with core end processing         2x (1 2.5 mm²)         2x (0.75 1.5 mm²)	type of electrical connection	screw terminal
type of connectable conductor cross-sections  • for auxiliary contacts  — solid or stranded  — finely stranded with core end processing  2x (1 2.5 mm²)  2x (0.75 1.5 mm²)	• for main current circuit	screw-type terminals
<ul> <li>for auxiliary contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>2x (1 2.5 mm²)</li> <li>2x (0.75 1.5 mm²)</li> </ul>	for auxiliary and control circuit	screw-type terminals
<ul> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>2x (1 2.5 mm²)</li> <li>2x (0.75 1.5 mm²)</li> </ul>	type of connectable conductor cross-sections	
— finely stranded with core end processing 2x (0.75 1.5 mm²)	• for auxiliary contacts	
· · · · · · · · · · · · · · · · · · ·	— solid or stranded	2x (1 2.5 mm²)
Safety related data	<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.75 1.5 mm²)
	Safety related data	

product function mirror contact according to IEC 60947-4-1	Yes	
Electrical Safety		
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	
Approvals Certificates		

## **General Product Approval**









Confirmation



**General Product Ap**proval

**Functional Saftey** 

**Test Certificates** 



tificate

Type Examination Certificate

**Special Test Certific-**<u>ate</u>

Type Test Certificates/Test Report

**Miscellaneous** 

other

**Dangerous Good** 

**Environment** 

Confirmation

**Transport Information** 

**Environmental Con**firmations

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=3TC4817-0BU0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TC4817-0BU0

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

https://support.industry.siemens.com/cs/ww/en/ps/3TC4817-0BU0

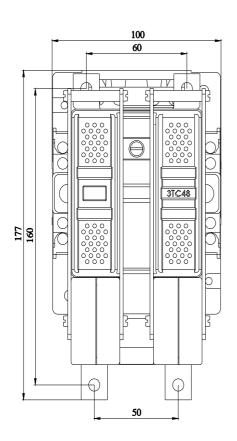
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

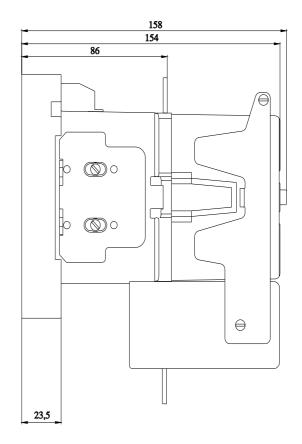
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3TC4817-0BU0&lang=en

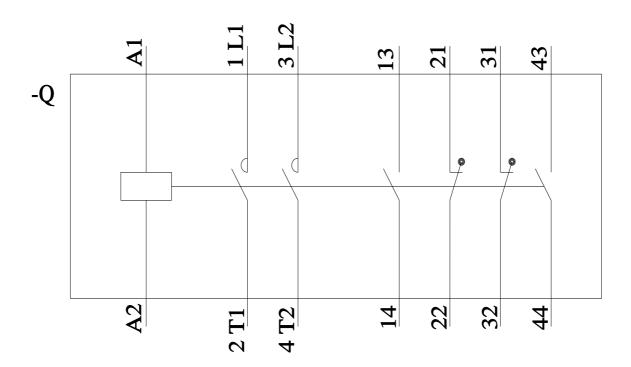
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3TC4817-0BU0/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TC4817-0BU0&objecttype=14&gridview=view1







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