# SIEMENS

#### Data sheet

### 3TC4817-0BP0



Contactor, Size 4, 2-pole, DC-3 and 5, 75 A Auxiliary switch 22 (2 NO + 2 NC) 230V AC 50Hz, 277 V 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				
<ul> <li>auxiliary switch</li> </ul>	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				
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
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	230 V
<ul><li>at 50 Hz rated value</li><li>at 60 Hz rated value</li></ul>	230 V 277 V
at 50 Hz rated value     at 60 Hz rated value     operating range factor control supply voltage rated value of	
<ul><li>at 50 Hz rated value</li><li>at 60 Hz rated value</li></ul>	
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> </ul>	277 V
at 50 Hz rated value     at 60 Hz rated value     operating range factor control supply voltage rated value of magnet coil at AC	277 V 0.8 1.1
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     apparent pick-up power of magnet coil at AC	277 V 0.8 1.1 300 VA
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC <ul> <li>at 50 Hz</li> </ul> </li> <li>apparent pick-up power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> </ul>	277 V 0.8 1.1 300 VA 300 VA
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     apparent pick-up power of magnet coil at AC         at 50 Hz	277 V 0.8 1.1 300 VA 300 VA 365 VA
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC <ul> <li>at 50 Hz</li> </ul> </li> <li>apparent pick-up power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>inductive power factor with closing power of the coil</li> </ul>	277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> </ul>	277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul>	277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5 0.45
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC <ul> <li>at 50 Hz</li> </ul> </li> <li>apparent pick-up power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>inductive power factor with closing power of the coil <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> </ul> </li> </ul>	277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5 0.45 26 VA
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC <ul> <li>at 50 Hz</li> </ul> </li> <li>apparent pick-up power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>inductive power factor with closing power of the coil <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul>	277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5 0.45 26 VA 26 VA
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC <ul> <li>at 50 Hz</li> </ul> </li> <li>apparent pick-up power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>inductive power factor with closing power of the coil <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> </ul>	277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5 0.45 26 VA 26 VA 35 VA
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC <ul> <li>at 50 Hz</li> </ul> </li> <li>apparent pick-up power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>inductive power factor with closing power of the coil <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> </ul>	277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5 0.45 26 VA 26 VA 26 VA 26 VA 27 V
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC <ul> <li>at 50 Hz</li> </ul> </li> <li>apparent pick-up power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>inductive power factor with closing power of the coil <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> </ul>	277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5 0.45 26 VA 26 VA 35 VA 0.24
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC <ul> <li>at 50 Hz</li> </ul> </li> <li>apparent pick-up power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>inductive power factor with closing power of the coil <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> </ul> <li>at 60 Hz <ul> <li>at 60 Hz</li> </ul> </li>	277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5 0.45 26 VA 26 VA 35 VA 0.24 0.24 0.26
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC <ul> <li>at 50 Hz</li> </ul> </li> <li>apparent pick-up power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>inductive power factor with closing power of the coil <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> <li>apparent holding power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 50 Hz <ul> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li>	277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5 0.45 26 VA 26 VA 35 VA 0.24 0.24 0.26
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC <ul> <li>at 50 Hz</li> </ul> </li> <li>apparent pick-up power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>inductive power factor with closing power of the coil <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> <li>at 50 Hz <ul> <li>at 60 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 50 Hz <ul> <li>at 60 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li>	277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5 0.45 26 VA 26 VA 0.24 0.24 0.24 0.26 20 30 ms
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC <ul> <li>at 50 Hz</li> </ul> </li> <li>apparent pick-up power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>inductive power factor with closing power of the coil <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> </ul> <li>at 60 Hz</li>	277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5 0.45 26 VA 26 VA 0.24 0.24 0.24 0.26 20 30 ms
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC <ul> <li>at 50 Hz</li> </ul> </li> <li>apparent pick-up power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>inductive power factor with closing power of the coil <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> </ul> <li>at 60 Hz</li>	277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5 0.45 26 VA 26 VA 35 VA 0.24 0.24 0.26 20 30 ms
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC <ul> <li>at 50 Hz</li> </ul> </li> <li>apparent pick-up power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>inductive power factor with closing power of the coil <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> <li>at 50 Hz <ul> <li>at 60 Hz</li> </ul> </li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 50 Hz <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 50 Hz <ul> <li>at 60 Hz</li> </ul> </li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>by the bolding power of the coil 60 Hz</li> <li>at 60 Hz</li>	277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5 0.45 26 VA 26 VA 35 VA 0.24 0.24 0.24 0.26 20 30 ms
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC <ul> <li>at 50 Hz</li> </ul> </li> <li>apparent pick-up power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>inductive power factor with closing power of the coil <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>at 60 Hz</li> </ul> <li>at 50 Hz <ul> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 50 Hz <ul> <li>at 60 Hz</li> </ul> </li> <li>at 50 Hz <ul> <li>at 60 Hz</li> </ul> </li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz <ul> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>at 60 Hz <ul> <li>at 60 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li>	277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5 0.45 26 VA 26 VA 26 VA 35 VA 0.24 0.24 0.26 20 30 ms 2 2 2 2
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC <ul> <li>at 50 Hz</li> </ul> </li> <li>at 50 Hz</li> <li>apparent pick-up power of magnet coil at AC <ul> <li>at 50 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> <li>at 60 Hz</li> <li>at 60 Hz<!--</td--><td>277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5 0.45 26 VA 26 VA 26 VA 35 VA 0.24 0.24 0.26 20 30 ms 2 2 2 2 2 2 0</td></li>	277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5 0.45 26 VA 26 VA 26 VA 35 VA 0.24 0.24 0.26 20 30 ms 2 2 2 2 2 2 0
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC <ul> <li>at 50 Hz</li> </ul> </li> <li>at 50 Hz</li> <li>apparent pick-up power of magnet coil at AC <ul> <li>at 50 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>at 60 Hz</li> </ul> <li>at 60 Hz</li> <li>at 6</li>	277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5 0.45 26 VA 26 VA 26 VA 35 VA 0.24 0.24 0.26 20 30 ms 2 2 2 2 2 2 2 2 2
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the notifug power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at</li></ul>	277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5 0.45 26 VA 26 VA 26 VA 35 VA 0.24 0.24 0.26 20 30 ms 2 2 2 2 2 2 2 2 2
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the notifug power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the notifug power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> Hz<td>277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5 0.45 26 VA 26 VA 35 VA 0.24 0.24 0.24 0.26 20 30 ms 2 2 2 2 2 2 2 2 2 2 10 A</td></li></ul>	277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5 0.45 26 VA 26 VA 35 VA 0.24 0.24 0.24 0.26 20 30 ms 2 2 2 2 2 2 2 2 2 2 10 A
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC <ul> <li>at 50 Hz</li> </ul> </li> <li>apparent pick-up power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>inductive power factor with closing power of the coil <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> </ul> <li>apparent holding power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>apparent holding power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>at 60 Hz</li> <li>at 20 V rated value</li>	277 V 0.8 1.1 300 VA 300 VA 365 VA 0.5 0.5 0.45 26 VA 26 VA 26 VA 35 VA 0.24 0.24 0.26 20 30 ms 2 2 2 2 2 2 2 2 10 A 5.6 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
<ul> <li>at 220 V rated value</li> </ul>	0.9 A
<ul> <li>at 600 V rated value</li> </ul>	0.22 A
operational current at DC-13	
<ul> <li>at 24 V rated value</li> </ul>	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	
<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)
Installation/ mounting/ dimensions	
mounting position	+/-22,5° rotation possible on vertical mounting surface; can be tilted forward
mounting position	and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal
	mounting surface
fastening method	screw fixing
<ul> <li>side-by-side mounting</li> </ul>	Yes
height	177.5 mm
width	100 mm
depth	156 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
<ul> <li>for live parts</li> </ul>	
— forwards	55 mm
— backwards	0 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
Connections/ Terminals	
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)
<ul> <li>— solid of stranded</li> <li>— finely stranded with core end processing</li> </ul>	
Safety related data	2x (0.75 1.5 mm²)

product function mirror of	contact according to IEC 6	0947-4-1 Yes	3			
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			er-safe, for vertical contact	safe, for vertical contact from the front with cover		
Certificates/ approvals						
General Product Appr	oval				Functional Safety/Safety of Ma- chinery	
SP M	CCC	<u>Confirmation</u>		EAC	<u>Type Examination Cer-</u> tificate	
Functional Safety/Safety of Ma- chinery	Declaration of Conform	nity	Test Certificates			
Type Examination Cer- tificate	CE EG-Konf.	UK CA	Type Test Certific- ates/Test Report	<u>Miscellaneous</u>	Special Test Certific- ate	
other	Dangerous Good					
<b>Confirmation</b>	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=3TC4817-0BP0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TC4817-0BP0

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

https://support.industry.siemens.com/cs/ww/en/ps/3TC4817-0BP0

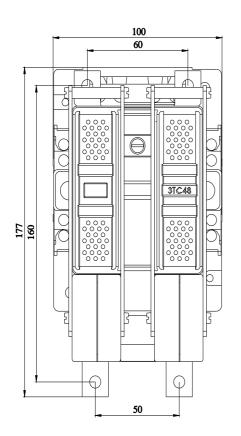
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

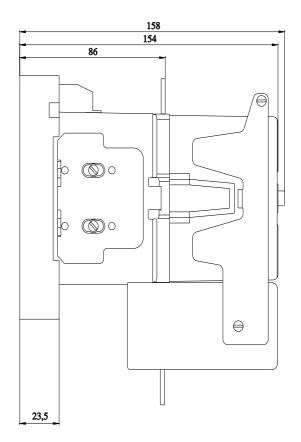
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3TC4817-0BP0&lang=en

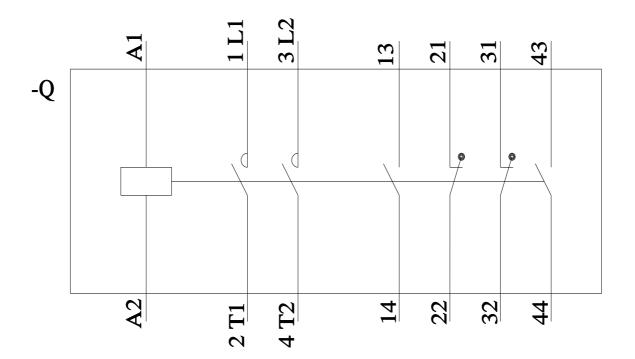
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3TC4817-0BP0/char Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TC4817-0BP0&objecttype=14&gridview=view1







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