## **SIEMENS**

3TC5617-0BP0 **Data sheet** 



Contactor, size 12, 2-pole, DC-3 and 5, 400 A Auxiliary switch 22 (2 NO + 2 NC) 230V AC 50Hz, 277 V 60 Hz AC operation AC operation

Description   STC	product designation	Contactor
size of contactor product extension  • function module for communication • auxiliary switch insulation voltage rated value maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC mechanical service life (switching cycles) • of contactor typical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Armbient conditions  ambient temperature • during operation • during storage relative humidity at 55 °C according to IEC 60068-2-30 maximum  number of poles for main current circuit number of NC contacts for main contacts type of voltage operational current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 240 V rated value		3TC
product extension  • function module for communication • function module for communication • auxiliary switch insulation voltage rated value maximum permissible voltage for safe isolation between coll and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at A C mechanical service life (switching cycles) • of contactor typical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Questions Prohibitance (Date)  Ambient conditions  ambient temperature • during operation • during storage relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles number of NC contacts for main contacts number of NC contacts for main contacts type of voltage operational current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 120 V rated value — at 140 V rated value — at 200 V rated value — at 200 V rated value — at 210 V rated value — at 240 V rated value — at 440 V rated value — at 440 V rated value — at 240 V rated value — at 440 V rated value — at 44	General technical data	
• function module for communication     • auxiliary switch     • auxiliary switch     • auxiliary switch     insulation voltage rated value     maximum permissible voltage for safe isolation between coll and main contacts according to EN 60947-1     shock resistance at rectangular impulse     • at AC	size of contactor	12
insulation voltage rated value     maximum permissible voltage for safe isolation between     coil and main contacts according to EN 60947-1     shock resistance at rectangular impulse     at AC     at AC     mechanical service life (switching cycles)     of contactor typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     reference code according to IEC 81346-2     Substance Prohibitance (Date)  Ambient conditions  ambient temperature     during operation     during storage     relative humidity minimum     relative humidity at 55 °C according to IEC 60068-2-30     maximum  Main circuit  number of poles     number of poles for main current circuit     number of NC contacts for main contacts     2     number of NC contacts for main contacts     0     very of voltage     operational current      at 1 current path at DC-1     — at 24 V rated value     — at 220 V rated value     — at 240 V rated value     — at 220 V rated value     — at 240 V rated value     — at 440 V rated	product extension	
insulation voltage rated value maximum permissible voltage for safe isolation between coil and main contacts according to EN 80947-1 shock resistance at rectangular impulse  • at AC  at AC  of contactor typical  • of the contactor with added auxiliary switch block typical  reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  Ambient conditions  amblent temperature  • during operation • during operation • during storage  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles number of poles for main current circuit number of NC contacts for main contacts upper of voltage operational current  • at 1 current path at DC-1  — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 220 V rated value — at 110 V rated value — at 110 V rated value — at 110 V rated value — at 140 V rated value — at 240 V rated value — at 220 V rated value — at 140 V rated value — at 240 V rated value — at 240 V rated value — at 220 V rated value — at 240 V rated value — at 240 V rated value — at 240 V rated value — at 440 V rated value	<ul> <li>function module for communication</li> </ul>	No
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse  • at AC  mechanical service life (switching cycles)  • of contactor typical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature • during operation • during storage relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit number of poles for main current circuit 2 number of NC contacts for main contacts 2 number of NC contacts for main contacts 1 type of voltage operational current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 240 V rated value — at 220 V rated value — at 240 V rated value — at 240 V rated value — at 220 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value	<ul><li>auxiliary switch</li></ul>	Yes
coll and main contacts according to EN 60947-1 shock resistance at rectangular impulse	insulation voltage rated value	1 000 V
● at AC  mechanical service life (switching cycles)  ● of contactor typical  ● of the contactor with added auxiliary switch block typical  reference code according to IEC 81346-2  Qubstance Prohibitance (Date)  Ambient conditions  ambient temperature  ● during operation  ● during storage  relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30  maximum  Main circuit  number of poles  number of NC contacts for main contacts  type of Voltage  operational current  ● at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  ● with 2 current paths in series at DC-1  — at 24 V rated value  • with 2 current paths in series at DC-1  — at 220 V rated value  — at 110 V rated value  — at 120 V rated value  — at 120 V rated value  — at 1220 V rated value  — at 220 V rated value  — at 440 V rated value  — 400 A	, ,	660 V
mechanical service life (switching cycles)  • of contactor typical  • of the contactor with added auxiliary switch block typical  reference code according to IEC 81346-2 Q Substance Prohibitance (Date)  Ambient conditions  ambient temperature  • during operation • during storage  relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles number of Poles for main current circuit 2 number of NO contacts for main contacts 2 number of NC contacts for main contacts 10 coperational current  • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 210 V rated value — at 210 V rated value — at 220 V rated value — at 210 V rated value — at 220 V rated value — at 240 V rated value — at 440 V rated value	shock resistance at rectangular impulse	
of contactor typical     of the contactor with added auxiliary switch block typical  reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions  ambient temperature     ouring operation     oduring storage     relative humidity minimum relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles number of NC contacts for main contacts 10 coperational current     of NC contacts for main contacts 10 coperational current     or at 24 V rated value     or at 22 V rated value     or at 24 V rated value     or at 25 V ra	• at AC	12g / 5 ms, 5,6g / 10 ms
of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Qubstance Prohibitance (Date) O5/01/2012  Ambient conditions  ambient temperature     ouring operation     during storage relative humidity minimum relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles number of poles for main current circuit number of NC contacts for main contacts upper of voltage operational current	mechanical service life (switching cycles)	
reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 05/01/2012  Ambient conditions  ambient temperature  • during operation • during storage • during storage • -50 +80 °C  relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 95 %  maximum  Main circuit  number of poles number of poles or main current circuit 2 number of NO contacts for main contacts 2 number of NC contacts for main contacts 0 type of voltage 0  operational current  • at 1 current path at DC-1  — at 24 V rated value 400 A — at 110 V rated value 400 A  • with 2 current paths in series at DC-1  — at 24 V rated value 400 A  • with 2 current paths in series at DC-1  — at 24 V rated value 400 A  • at 110 V rated value 400 A  • at 110 V rated value 400 A  — at 220 V rated value 400 A  — at 240 V rated value 400 A	<ul> <li>of contactor typical</li> </ul>	10 000 000
Substance Prohibitance (Date)  Ambient conditions  ambient temperature  • during operation • during storage relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles number of Poles for main current circuit number of NC contacts for main contacts 10 contacts for main contacts 11 current path at DC-1  - at 24 V rated value - at 110 V rated value - at 220 V rated value - at 24 V rated value	•	10 000 000
ambient temperature  • during operation • during storage relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles number of Poles for main current circuit number of NO contacts for main contacts type of Voltage operational current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 24 V rated value — at 25 +55 °C -50 +80 °C 10 %  95 %  2 2 2 3 4 5 7 7 8 9 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	reference code according to IEC 81346-2	Q
ambient temperature  • during operation • during storage -50 +80 °C  relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles number of poles for main current circuit number of NO contacts for main contacts type of voltage operational current  • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 24 V rated value — at 27 V rated value — at 28 V rated value — at 29 V rated value — at 20 V rated value — at 24 V rated value — at 440 V rated value	Substance Prohibitance (Date)	05/01/2012
<ul> <li>during operation</li> <li>during storage</li> <li>during storage</li> <li>-50 +80 °C</li> <li>relative humidity minimum</li> <li>relative humidity at 55 °C according to IEC 60068-2-30</li> <li>maximum</li> <li>Main circuit</li> <li>number of poles</li> <li>number of poles for main current circuit</li> <li>number of NO contacts for main contacts</li> <li>type of vOltage</li> <li>operational current</li> <li>at 1 current path at DC-1</li> <li>— at 24 V rated value</li> <li>— at 110 V rated value</li> <li>— at 24 V rated value</li> <li>— at 24 V rated value</li> <li>— at 220 V rated value</li> <li>with 2 current paths in series at DC-1</li> <li>— at 24 V rated value</li> <li>with 2 current paths in series at DC-1</li> <li>— at 24 V rated value</li> <li>400 A</li> <li>with 2 current paths in series at DC-1</li> <li>— at 220 V rated value</li> <li>400 A</li> <li>at 110 V rated value</li> <li>400 A</li> <li>at 120 V rated value</li> <li>400 A</li> <li>at 220 V rated value</li> <li>400 A</li> <li>at 440 V rated value</li> <li>400 A</li> <li>at 440 V rated value</li> <li>400 A</li> </ul>	Ambient conditions	
<ul> <li>during storage</li> <li>relative humidity minimum</li> <li>10 %</li> <li>relative humidity at 55 °C according to IEC 60068-2-30 maximum</li> <li>Main circuit</li> <li>number of poles</li> <li>number of poles for main current circuit</li> <li>number of NO contacts for main contacts</li> <li>number of NC contacts for main contacts</li> <li>type of voltage</li> <li>operational current</li> <li>at 1 current path at DC-1</li> <li>— at 24 V rated value</li> <li>— at 110 V rated value</li> <li>— with 2 current paths in series at DC-1</li> <li>— at 24 V rated value</li> <li>— at 24 V rated value</li> <li>400 A</li> <li>with 2 current paths in series at DC-1</li> <li>— at 24 V rated value</li> <li>— at 24 V rated value</li> <li>400 A</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 240 V ra</li></ul>	ambient temperature	
relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles number of poles for main current circuit 2 number of NO contacts for main contacts 2 number of NC contacts for main contacts 0 type of voltage DC operational current  • at 1 current path at DC-1  — at 24 V rated value 400 A — at 110 V rated value 400 A  • with 2 current paths in series at DC-1  — at 24 V rated value 400 A  • at 110 V rated value 400 A  • at 110 V rated value 400 A  - at 220 V rated value 400 A  — at 220 V rated value 400 A  — at 440 V rated value 400 A  — at 440 V rated value 400 A  — at 440 V rated value 400 A	<ul> <li>during operation</li> </ul>	-25 +55 °C
relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  number of poles number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts type of voltage operational current  • at 1 current path at DC-1  — at 24 V rated value — at 110 V rated value — at 220 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value — at 110 V rated value  • with 2 current paths in series at DC-1  — at 220 V rated value — at 110 V rated value — at 120 V rated value — at 110 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — 4400 A	<ul> <li>during storage</li> </ul>	-50 +80 °C
maximum  Main circuit  number of poles number of poles for main current circuit number of NO contacts for main contacts 12 number of NC contacts for main contacts 10 type of voltage 0 operational current  • at 1 current path at DC-1  - at 24 V rated value - at 110 V rated value 400 A  • with 2 current paths in series at DC-1  - at 24 V rated value 400 A  • with 2 current paths in series at DC-1  - at 24 V rated value 400 A  - at 110 V rated value 400 A  - at 110 V rated value 400 A  - at 220 V rated value 400 A  - at 220 V rated value 400 A  - at 440 V rated value 400 A  - at 440 V rated value 400 A	relative humidity minimum	10 %
number of poles 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 — at 110 V rated value — at 220 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value 400 A  • with 2 current paths in series at DC-1  — at 24 V rated value 400 A  — at 110 V rated value 400 A  — at 110 V rated value 400 A  — at 110 V rated value 400 A  — at 140 V rated value 400 A  — at 440 V rated value 400 A  — at 440 V rated value 400 A		95 %
number of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  type of voltage  operational current  • at 1 current path at DC-1  — at 24 V rated value — at 110 V rated value — at 220 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value	Main circuit	
number of NO contacts for main contacts  number of NC contacts for main contacts  type of voltage  operational current  • at 1 current path at DC-1  — at 24 V rated value — at 110 V rated value — at 220 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  400 A  • with 2 current paths in series at DC-1  — at 24 V rated value  400 A  - at 110 V rated value  400 A  — at 220 V rated value  400 A  — at 440 V rated value  400 A	number of poles	2
number of NC contacts for main contacts  type of voltage  operational current  • at 1 current path at DC-1  — at 24 V rated value — at 110 V rated value — at 220 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value 400 A  • with 2 current paths in series at DC-1  — at 24 V rated value 400 A  — at 110 V rated value 400 A  — at 220 V rated value 400 A  — at 440 V rated value 400 A  — at 440 V rated value 400 A	number of poles for main current circuit	2
type of voltage operational current  • at 1 current path at DC-1  — at 24 V rated value	number of NO contacts for main contacts	2
operational current      • at 1 current path at DC-1      — at 24 V rated value	number of NC contacts for main contacts	0
<ul> <li>at 1 current path at DC-1         <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> </ul> </li> <li>with 2 current paths in series at DC-1         <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 240 A</li> </ul> </li> <li>at 440 V rated value</li> <li>400 A</li> <li>at 440 V rated value</li> <li>400 A</li> </ul>	type of voltage	DC
<ul> <li>— at 24 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>• with 2 current paths in series at DC-1</li> <li>— at 24 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 440 V rated value</li> <li>— at 440 V rated value</li> </ul>	operational current	
<ul> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>• with 2 current paths in series at DC-1</li> <li>— at 24 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 440 V rated value</li> </ul>	<ul><li>at 1 current path at DC-1</li></ul>	
<ul> <li>— at 220 V rated value</li> <li>♦ with 2 current paths in series at DC-1</li> <li>— at 24 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 440 V rated value</li> </ul>	— at 24 V rated value	400 A
<ul> <li>with 2 current paths in series at DC-1         <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> </ul> </li> </ul>	— at 110 V rated value	400 A
— at 24 V rated value       400 A         — at 110 V rated value       400 A         — at 220 V rated value       400 A         — at 440 V rated value       400 A	— at 220 V rated value	400 A
<ul> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>400 A</li> <li>400 A</li> </ul>	<ul><li>with 2 current paths in series at DC-1</li></ul>	
<ul><li>— at 220 V rated value</li><li>— at 440 V rated value</li><li>400 A</li></ul>	— at 24 V rated value	400 A
— at 440 V rated value 400 A	— at 110 V rated value	400 A
	— at 220 V rated value	400 A
	— at 440 V rated value	400 A
— at 600 V rated value 400 A	— at 600 V rated value	400 A

— at 750 V rated value	400 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	220 A
<ul><li>— at 110 V rated value</li></ul>	220 A
— at 220 V rated value	400 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	400 A
— at 110 V rated value	400 A
— at 220 V rated value	400 A
— at 440 V rated value	400 A
— at 600 V rated value	400 A
— at 750 V rated value	400 A
	400 A
operating power	
• at DC-1	
— at 110 V rated value	44 kW
— at 220 V rated value	88 kW
— at 440 V rated value	176 kW
— at 750 V rated value	300 kW
• at DC-3 at DC-5	
— at 110 V rated value	35 kW
— at 220 V rated value	70 kW
— at 440 V rated value	140 kW
— at 600 V rated value	200 kW
— at 750 V rated value	250 kW
operating frequency	255 ((1)
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	
<ul> <li>at 50 Hz rated value</li> </ul>	230 V
<ul> <li>at 60 Hz rated value</li> </ul>	277 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	1 780 VA
● at 50 Hz	1 780 VA
● at 60 Hz	2 140 VA
inductive power factor with closing power of the coil	0.3
• at 50 Hz	0.3
• at 60 Hz	0.3
apparent holding power of magnet coil at AC	121 VA
• at 50 Hz	121 VA
• at 60 Hz	140 VA
inductive power factor with the holding power of the coil	0.22
	0.22
● at 50 Hz	
• at 50 Hz	
• at 60 Hz	0.29
● at 60 Hz arcing time	
at 60 Hz     arcing time  Auxiliary circuit	0.29 20 30 ms
at 60 Hz     arcing time  Auxiliary circuit number of NC contacts for auxiliary contacts	0.29 20 30 ms
at 60 Hz     arcing time  Auxiliary circuit  number of NC contacts for auxiliary contacts     instantaneous contact	0.29 20 30 ms
at 60 Hz     arcing time  Auxiliary circuit  number of NC contacts for auxiliary contacts     instantaneous contact number of NO contacts for auxiliary contacts	0.29 20 30 ms
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	0.29 20 30 ms
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	0.29 20 30 ms
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	0.29 20 30 ms
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	0.29 20 30 ms
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	0.29 20 30 ms
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	0.29 20 30 ms
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         • at 230 V rated value	0.29 20 30 ms  2 2 2 2 0 22 10 A 5.6 A
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  at 230 V rated value  at 400 V rated value	0.29 20 30 ms
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         • at 230 V rated value	0.29 20 30 ms  2 2 2 2 0 22 10 A 5.6 A

1041/	40.4
at 24 V rated value	10 A
at 48 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value	8 A
at 125 V rated value	6 A
at 220 V rated value	2 A
at 600 V rated value	0.4 A
operational current at DC-13	40.4
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     at 125 V rated value	2.4 A
<ul> <li>at 125 V rated value</li> <li>at 220 V rated value</li> </ul>	2.1 A 1.1 A
at 600 V rated value	0.21 A
	0.21 A
UL/CSA ratings	A000 / P000
contact rating of auxiliary contacts according to UL	A600 / P600
Short-circuit protection	
design of the fuse link	
for short-circuit protection of the main circuit	
with type of coordination 1 required	2 x 3NE1330-4D (315 A) parallel (750 V, 12 kA)
— with type of assignment 2 required	2 x 3NE1330-4D (315 A) parallel (750 V, 12 kA)
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 16 A (500 V, 1 kA)
<u> </u>	
Installation/ mounting/ dimensions	
mounting position	+/-22,5° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface;
	standing, on horizontal mounting surface
fastening method	screw fixing
side-by-side mounting	Yes
height	281 mm
width	160 mm
depth	255 mm
required spacing	
with side-by-side mounting	
— forwards	25 mm
— backwards	0 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
<ul> <li>for grounded parts</li> </ul>	
— forwards	100 mm
— backwards	0 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
<ul> <li>for live parts</li> </ul>	
— forwards	100 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	0 (4 0 5 0)
— solid or stranded	2x (1 2,5 mm²)
— finely stranded with core end processing	2x (0.75 1.5 mm²)
Safety related data	
product function mirror contact according to IEC 60947-4-	Yes
1	

protection class IP on the front according to IEC 60529

touch protection on the front according to IEC 60529

IP00; IP20 with box terminal/cover

finger-safe, for vertical contact from the front with cover

Certificates/ approvals

**General Product Approval** 

Functional Safety/Safety of Machinery





Confirmation





Type Examination Certificate

Functional Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 

Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate

Miscellaneous

Marine / Shipping

other

**Dangerous Good** 



Confirmation

<u>Transport Information</u>

## **Further information**

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3TC5617-0BP0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TC5617-0BP0

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

https://support.industry.siemens.com/cs/ww/en/ps/3TC5617-0BP0

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

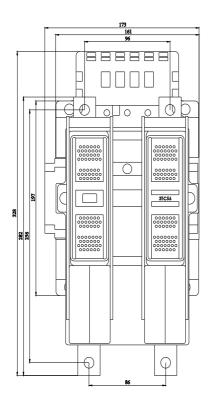
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3TC5617-0BP0&lang=en

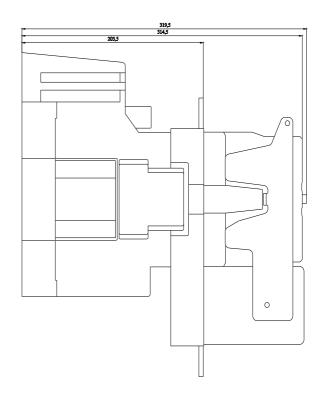
Characteristic: Tripping characteristics,  $I^2t$ , Let-through current

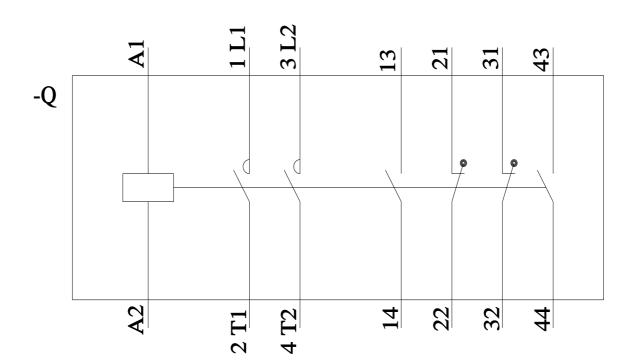
https://support.industry.siemens.com/cs/ww/en/ps/3TC5617-0BP0/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TC5617-0BP0&objecttype=14&gridview=view1







last modified: 12/2/2021 🖸