SIEMENS

Data sheet 3TC5217-0BK1



Contactor size 8, 2-pole DC-3 and 5, 220 A Auxiliary switch 22 (2 NO + 2 NC) Alternating current operation 120 V AC 60 Hz/100 V AC 50 Hz

product designation	Contactor
product type designation	3TC
General technical data	
size of contactor	8
product extension	
 function module for communication 	No
auxiliary switch	Yes
insulation voltage rated value	1 000 V
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	660 V
shock resistance at rectangular impulse	
• at AC	12g / 5 ms, 5,5g / 10 ms
mechanical service life (operating cycles)	
 of contactor typical 	10 000 000
of the contactor with added auxiliary switch block typical	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	03/01/2017
Ambient conditions	
ambient temperature	
 during operation 	-25 +55 °C
during storage	-50 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	
number of poles	2
number of poles for main current circuit	2
number of NO contacts for main contacts	2
number of NC contacts for main contacts	0
type of voltage	DC
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	220 A
— at 110 V rated value	220 A
— at 220 V rated value	220 A
 with 2 current paths in series at DC-1 	
— at 24 V rated value	220 A
— at 110 V rated value	220 A
— at 220 V rated value	220 A
— at 440 V rated value	220 A
— at 600 V rated value	220 A

— at 750 V rated value	220 A
 at 1 current path at DC-3 at DC-5 	
— at 24 V rated value	220 A
— at 110 V rated value	220 A
— at 220 V rated value	220 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	220 A
— at 110 V rated value	220 A
— at 220 V rated value	220 A
— at 440 V rated value	220 A
— at 600 V rated value	220 A
— at 750 V rated value	170 A
operating power	
• at DC-1	
— at 110 V rated value	24 kW
— at 220 V rated value	48 kW
— at 440 V rated value	97 kW
— at 750 V rated value	165 kW
• at DC-3 at DC-5	
— at 110 V rated value	20 kW
— at 220 V rated value	41 kW
— at 440 V rated value	82 kW
— at 600 V rated value	110 kW
— at 750 V rated value	110 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
type or remage or are control capping remage	7.0
control supply voltage at AC	
control supply voltage at AC • at 50 Hz rated value	100 V
at 50 Hz rated value	100 V 120 V
at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of	100 V 120 V
at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC	120 V
at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 60 Hz	120 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 60 Hz apparent pick-up power of magnet coil at AC	120 V 0.8 1.1 640 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 60 Hz	120 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 60 Hz apparent pick-up power of magnet coil at AC	120 V 0.8 1.1 640 VA
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at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz	120 V 0.8 1.1 640 VA 640 VA 730 VA 0.48
at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz	120 V 0.8 1.1 640 VA 640 VA 730 VA 0.48 0.48
at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz	120 V 0.8 1.1 640 VA 640 VA 730 VA 0.48 0.48 0.38
 at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz at 60 Hz 	120 V 0.8 1.1 640 VA 640 VA 730 VA 0.48 0.48 0.38 46 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 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz at 60 Hz at 50 Hz at 50 Hz at 50 Hz 	120 V 0.8 1.1 640 VA 640 VA 730 VA 0.48 0.48 0.38 46 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 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 50 Hz at 50 Hz at 60 Hz 	120 V 0.8 1.1 640 VA 640 VA 730 VA 0.48 0.48 0.38 46 VA 46 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 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil	120 V 0.8 1.1 640 VA 640 VA 730 VA 0.48 0.48 0.38 46 VA 46 VA 56 VA 0.23
at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 50 Hz at 60 Hz	120 V 0.8 1.1 640 VA 640 VA 730 VA 0.48 0.48 0.38 46 VA 46 VA 56 VA 0.23
 at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 	120 V 0.8 1.1 640 VA 640 VA 730 VA 0.48 0.48 0.38 46 VA 46 VA 56 VA 0.23 0.23 0.24
at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz	120 V 0.8 1.1 640 VA 640 VA 730 VA 0.48 0.48 0.38 46 VA 46 VA 56 VA 0.23 0.23 0.24
at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz arcing time Auxiliary circuit	120 V 0.8 1.1 640 VA 640 VA 730 VA 0.48 0.48 0.38 46 VA 46 VA 56 VA 0.23 0.23 0.24 20 30 ms
at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz arcing time Auxiliary circuit number of NC contacts for auxiliary contacts	120 V 0.8 1.1 640 VA 640 VA 730 VA 0.48 0.48 0.38 46 VA 46 VA 56 VA 0.23 0.23 0.24 20 30 ms
at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz at 60 Hz arcing time Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact	120 V 0.8 1.1 640 VA 640 VA 730 VA 0.48 0.48 0.38 46 VA 46 VA 56 VA 0.23 0.23 0.24 20 30 ms
at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz inductive power factor with the holding power of the coil at 50 Hz inductive power factor with the holding power of the coil at 50 Hz inductive power factor with the holding power of the coil at 50 Hz inductive power factor with the holding power of the coil at 50 Hz inductive power factor with the holding power of the coil at 50 Hz inductive power factor with the holding power of the coil at 50 Hz inductive power factor with the holding power of the coil at 50 Hz inductive power factor with the holding power of the coil at 50 Hz inductive power factor with the holding power of the coil at 50 Hz inductive power factor with the holding power of the coil	120 V 0.8 1.1 640 VA 640 VA 730 VA 0.48 0.48 0.38 46 VA 46 VA 56 VA 0.23 0.23 0.24 20 30 ms
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at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz inductive power factor with the holding power of the coil instantaneous contact on auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of CO contacts for auxiliary contacts	120 V 0.8 1.1 640 VA 640 VA 730 VA 0.48 0.48 0.38 46 VA 46 VA 56 VA 0.23 0.23 0.24 20 30 ms
at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 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	120 V 0.8 1.1 640 VA 640 VA 730 VA 0.48 0.48 0.38 46 VA 46 VA 56 VA 0.23 0.23 0.24 20 30 ms
at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 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	120 V 0.8 1.1 640 VA 640 VA 730 VA 0.48 0.48 0.38 46 VA 46 VA 56 VA 0.23 0.23 0.24 20 30 ms
at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 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	120 V 0.8 1.1 640 VA 640 VA 730 VA 0.48 0.48 0.38 46 VA 46 VA 56 VA 0.23 0.23 0.24 20 30 ms
at 50 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC at 60 Hz apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 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	120 V 0.8 1.1 640 VA 640 VA 730 VA 0.48 0.48 0.38 46 VA 46 VA 56 VA 0.23 0.23 0.24 20 30 ms

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 assignment 2 required • for short-circuit protection of the auxiliary switch required gG: 16 A (500 V, 1 kA)		
a st 46 V rated value	operational current at DC-12	
e id BV Y cited value	• at 24 V rated value	10 A
* al 110 V rated value	• at 48 V rated value	10 A
a at 125 V rated value	• at 60 V rated value	10 A
a 22 07 v rated value	• at 110 V rated value	8 A
operational current at DC-13	• at 125 V rated value	6 A
a 22 V rated value	• at 220 V rated value	2 A
** at 24 V rated value	at 600 V rated value	0.4 A
a al 48 V rated value 5 A	operational current at DC-13	
	• at 24 V rated value	10 A
	• at 48 V rated value	5 A
**1 125 V rated value	 at 60 V rated value 	5 A
	• at 110 V rated value	2.4 A
• at 800 V rated value	• at 125 V rated value	2.1 A
contact rating of auxiliary contacts according to UL A600 / P600 Boston-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required Anith type of assignment 2 required Anith type of a stranded Anith type of	• at 220 V rated value	1.1 A
Short-circuit protection design of the fue link • for short-circuit protection design of the fue link • for short-circuit protection of the main circuit — with type of assignment 2 required — with type of assignment 2 required is of 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; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; standing, on horizontal mounting surface; standing, on	• at 600 V rated value	0.21 A
Short-circuit protection design of the fuse link	UL/CSA ratings	
design of the fuse link of or short-circuit protection of the main circuit	contact rating of auxiliary contacts according to UL	A600 / P600
• for short-circuit protection of the main circuit — with type of coordination 1 required 9	Short-circuit protection	
- with type of coordination 1 required	design of the fuse link	
- with type of assignment 2 required of short-circuit protection of the auxilary switch required possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be t	• for short-circuit protection of the main circuit	
• for short-circuit protection of the auxiliary switch required Instaliation / mounting (dimensions)	 — with type of coordination 1 required 	3NE1332-4D (400 A) (750 V, 6 kA)
Installation/ mounting/ dimensions +/-22,5" rotation possible on vertical mounting surface; can be tilted forward and backward by +/-22,5" on vertical mounting surface; standing, on horizontal mountin	 — with type of assignment 2 required 	3NE1332-4D (400 A) (750 V, 6 kA)
mounting position ### ### ### ### ### ### ### ### ### #	• for short-circuit protection of the auxiliary switch required	gG: 16 A (500 V, 1 kA)
and backward by 4-/ 22.5" on vertical mounting surface; standing, on horizontal mounting surface side-by-side mounting e side-by-side mounting 20 mm depth vidth 135 mm depth e with side-by-side mounting - forwards - backwards - upwards - downwards - at the side for grounded parts - forwards - backwards 0 mm - forwards - at the side 10 mm - forwards - backwards 0 mm - for grounded parts - forwards - backwards 0 mm - forwards - to grounded parts - forwards - backwards 0 mm - to grounded parts - forwards - upwards - backwards 0 mm - backwards 0 mm - to grounded parts - at the side 10 mm - downwards - to mm - upwards - to mm - downwards - to mm - downwards 10 mm - for live parts - forwards - to mm - upwards - to mm - to rowards - upwards - to mm - to rowards - to mm - upwards - to mm - upwards - to mm - to rowards - to mm - to main current circuit - for auxiliary contects - for auxiliary and control circuit - for auxiliary and control circuit - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for for auxiliary contacts - for finely stranded with core end processing 2 x(12.5 mm²) 2 x(0.751.5 mm²)	Installation/ mounting/ dimensions	
side-by-side mounting Yes	mounting position	and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal
• side-by-side mounting Yes height 240 mm width 135 mm depth 204 mm required spacing *** • with side-by-side mounting *** - forwards 0 mm - backwards 0 mm - upwards 10 mm - downwards 10 mm - for orwards 70 mm - backwards 0 mm - upwards 10 mm - at the side 10 mm - downwards 10 mm - for live parts 70 mm - for wards 70 mm - backwards 0 mm - backwards 0 mm - backwards 10 mm - backwards 0 mm - backwards 10 mm - backwards	fastening method	
height 240 mm width 135 mm depth 204 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 70 mm - backwards 0 mm - upwards 10 mm - at the side 10 mm - downwards 10 mm - for live parts 70 mm - forwards 70 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - downwards 10 mm - downwards 10 mm - at the side 10 mm - backwards 0 mm - to rimain current circuit screw-type terminals - for auxiliary and control circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • for auxiliary contacts acy (3.5 mm²) - for auxiliary contacts<	-	-
width 135 mm depth 204 mm required spacing ************************************	·	240 mm
required spacing with side-by-side mounting - forwards - backwards 0 mm - downwards - downwards - at the side 10 mm - for grounded parts - for grounded parts - pwards 0 mm - at the side 10 mm - backwards 0 mm - backwards 10 mm - at the side 10 mm - ownwards 10 mm - backwards 10 mm - ownwards 10 mm - at the side 10 mm - townwards 10 mm - townwards 10 mm For live parts - forwards 0 mm - backwards 0 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - when the side 10 mm - when the si		135 mm
● with side-by-side mounting 20 mm — backwards 0 mm — upwards 10 mm — downwards 10 mm — at the side 10 mm ● for grounded parts 70 mm — backwards 0 mm — upwards 10 mm — at the side 10 mm — downwards 10 mm • for live parts 70 mm — backwards 0 mm — upwards 10 mm — downwards 10 mm — downwards 10 mm — downwards 10 mm — at the side 10 mm Connection/ Terminals screw-type terminals type of electrical connection 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)	depth	204 mm
forwards 20 mm backwards 0 mm upwards 10 mm downwards 10 mm at the side 10 mm forwards 70 mm backwards 0 mm backwards 10 mm at the side 10 mm at the side 10 mm at the side 10 mm downwards 10 mm downwards 10 mm downwards 10 mm forwards 70 mm forwards 70 mm downwards 10 mm forwards 70 mm forwards 70 mm forwards 10 mm forwards 10 mm backwards 10 mm backwards 10 mm at the side 50 mm at the side 5	required spacing	
	with side-by-side mounting	
— upwards 10 mm — downwards 10 mm — at the side 10 mm • for grounded parts 70 mm — backwards 0 mm — upwards 10 mm — at the side 10 mm — downwards 10 mm • for live parts 70 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 screw-type terminals • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • for auxiliary contacts — solid or stranded 2x (1 2.5 mm²) — solid or stranded with core end processing 2x (0.75 1.5 mm²)	— forwards	20 mm
- downwards - at the side • for grounded parts - forwards - backwards - upwards - at the side • for live parts - forwards - backwards - upwards - of live parts - forwards - upwards - to mm - upwards - to mm - downwards - upwards - upwards - for live parts - forwards - upwards - downwards - at the side - downwards - at the side - to mm Connections/ Terminals type of electrical connection - for auxiliary and control circuit - 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 10 mm - to mm -	— backwards	0 mm
- at the side • for grounded parts - forwards - backwards - upwards - at the side 10 mm - at the side 10 mm - at the side 10 mm - downwards • for live parts - forwards - backwards 0 mm • for live parts - forwards - backwards 0 mm - upwards 10 mm - ad when a side 10 mm • for live parts - forwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - for main current circuit • for a uxiliary and control circuit • for a uxiliary and control circuit • for auxiliary contacts • for auxiliary contacts - solid or stranded - finely stranded with core end processing 2x (1 2.5 mm²) 2x (0.75 1.5 mm²)	— upwards	10 mm
 for grounded parts forwards packwards mm upwards 10 mm at the side downwards for live parts for live parts forwards backwards mm backwards mm downwards 10 mm downwards mm at the side Connections/ Terminals for main current circuit for main current circuit for auxiliary and control circuit screw-type terminals type of connectable conductor cross-sections for auxiliary contacts screw-type terminals type of connectable conductor cross-sections for auxiliary contacts screw-type terminals type of connectable conductor cross-sections for auxiliary contacts screw-type terminals type of connectable conductor cross-sections for auxiliary contacts screw-type terminals type of connectable conductor cross-sections for auxiliary contacts act (1 2.5 mm²) for auxiliary contacts finely stranded with core end processing 2x (0.75 1.5 mm²)	— downwards	10 mm
- forwards 70 mm - backwards 0 mm - upwards 10 mm - at the side 10 mm - downwards 10 mm - for live parts - forwards 70 mm - backwards 0 mm - backwards 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 - at the side 50 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) - finely stranded with core end processing 2x (0.75 1.5 mm²)	— at the side	10 mm
backwards 0 mm upwards 10 mm at the side 10 mm downwards 10 mm downwards 10 mm for live parts forwards 70 mm backwards 0 mm upwards 10 mm upwards 10 mm upwards 10 mm downwards 10 mm at the side 10 mm at the side 10 mm at the side 5 mm at the side 5 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) finely stranded with core end processing 2x (0.75 1.5 mm²)	for grounded parts	
- upwards - at the side - downwards 10 mm - downwards 10 mm ● for live parts - forwards - forwards - backwards 0 mm - upwards 10 mm - upwards 10 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)	— forwards	70 mm
- at the side	— backwards	0 mm
 downwards for live parts forwards backwards 0 mm upwards 10 mm downwards at the side 10 mm at the side 10 mm at the side mm connections/ Terminals type of electrical connection for main current circuit for auxiliary and control 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) finely stranded with core end processing 	— upwards	10 mm
 for live parts — forwards — backwards — upwards — upwards — downwards — at the side — at the side — to mm — at the side — to mm — at the side — to mm — at the side — to mm — at the side — to mm — at the side — to mm — at the side — to mm — to mm — to mm — to main current circuit — for auxiliary and control circuit — for auxiliary and control circuit — solid or stranded — solid or stranded — finely stranded with core end processing — 2x (1 2.5 mm²) — finely stranded with core end processing — 2x (0.75 1.5 mm²) — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — solid or stranded with core end processing — solid or stranded with c	— at the side	10 mm
forwards 70 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 • for auxiliary contacts solid or stranded finely stranded with core end processing 2x (0.75 1.5 mm²)	— downwards	10 mm
- backwards - 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 0 mm 10 mm 2 connectable connectable connectable connectable connectable conductor cross-sections 2 x (1 2.5 mm²) 2 x (0.75 1.5 mm²)	• for live parts	
- upwards - 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-type terminals screw-type terminals 2 crew-type terminals 2 crew-type terminals 2 crew-type terminals	— forwards	70 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	— backwards	0 mm
at the side 10 mm Connections/ Terminals type of electrical connection screw-type terminals	— 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-type terminals 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 crew-type terminals 2x (1 2.5 mm²) 2x (0.75 1.5 mm²)	— at the side	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 crew-type terminals 2x (1 2.5 mm²) 2x (0.75 1.5 mm²)	Connections/ Terminals	
 for main current circuit 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 screw-type terminals 2x (1 2.5 mm²) 2x (1 2.5 mm²) 3x (0.75 1.5 mm²) 	type of electrical connection	screw-type terminals
for auxiliary and control circuit type of connectable conductor cross-sections	for main current 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) 	·	
 — solid or stranded — finely stranded with core end processing 2x (1 2.5 mm²) 2x (0.75 1.5 mm²) 		
— finely stranded with core end processing 2x (0.75 1.5 mm²)	•	2x (1 2.5 mm²)
	— finely stranded with core end processing	

product function mirror contact according to IEC 60947-4-1

protection class IP on the front according to IEC 60529

touch protection on the front according to IEC 60529

Yes
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 **Miscellaneous**

Special Test Certificate

other

Railway

Dangerous Good

Confirmation

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=3TC5217-0BK1

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TC5217-0BK1

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

https://support.industry.siemens.com/cs/ww/en/ps/3TC5217-0BK1

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

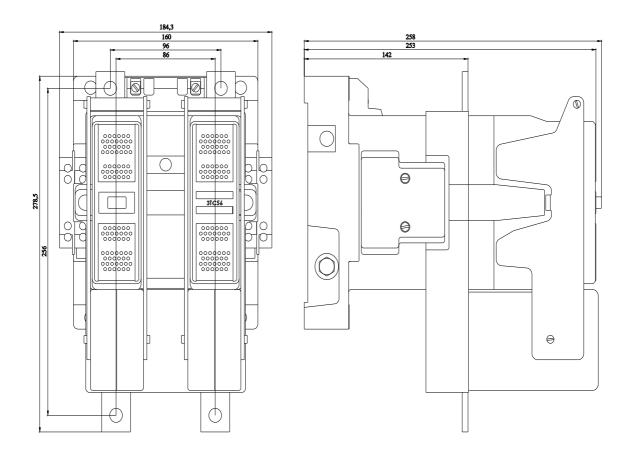
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TC5217-0BK1&lang=en

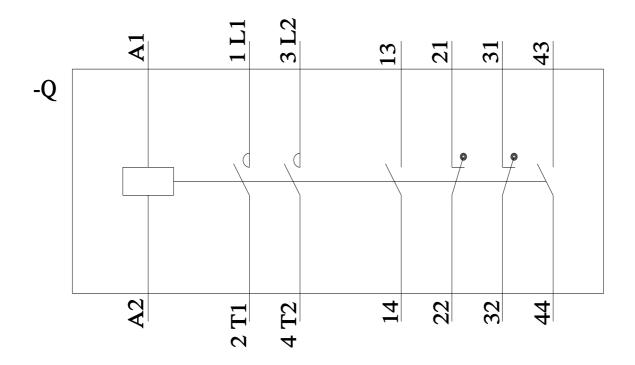
Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3TC5217-0BK1/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TC5217-0BK1&objecttype=14&gridview=view1





last modified: 2/13/2023 🖸

