SIEMENS

Data sheet 3TC4417-0BF0



Contactor, Size 2, 2-pole, DC-3 and 5, 32 A Auxiliary contacts 22 (2 NO + 2 NC) 110V AC 50Hz/132V AC 60Hz AC operation

product designation	Contactor
product type designation	3TC
General technical data	
size of contactor	2
product extension	
 function module for communication 	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	7,5g / 5 ms, 3,4g / 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)	02/01/2012
SVHC substance name	Blei - 7439-92-1 6,6'-Di-tert-butyl-2,2'-methylendi-p-cre - 119-47-1
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	32 A
— at 110 V rated value	32 A
— at 220 V rated value	32 A
 with 2 current paths in series at DC-1 	
— at 24 V rated value	32 A
— at 110 V rated value	32 A
— at 220 V rated value	32 A

— at 440 V rated value	32 A
— at 600 V rated value	32 A
— at 750 V rated value	32 A
 at 1 current path at DC-3 at DC-5 	
— at 24 V rated value	32 A
— at 110 V rated value	32 A
— at 220 V rated value	32 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	32 A
— at 110 V rated value	32 A
— at 220 V rated value	32 A
— at 440 V rated value	29 A
— at 600 V rated value	21 A
— at 750 V rated value	7.5 A
operating power	1.3 A
• at DC-1	
— at 110 V rated value	2.5 1/1/1
	3.5 kW
— at 220 V rated value	7 kW
— at 440 V rated value	14 kW
— at 750 V rated value	24 kW
• at DC-3 at DC-5	
— at 110 V rated value	2.5 kW
— at 220 V rated value	5 kW
— at 440 V rated value	9 kW
— at 600 V rated value	9 kW
— at 750 V rated value	4 kW
operating frequency	
at DC-1 maximum	1 500 1/h
• at DC-3 maximum	750 1/h
at DC-5 maximum	750 1/h
Control circuit/ Control	
Control circuit Control	
type of voltage of the control supply voltage	AC
	AC
type of voltage of the control supply voltage	110 V
type of voltage of the control supply voltage control supply voltage at AC	
type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value	110 V
type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of	110 V
type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC	110 V 132 V
type of voltage of the control supply voltage control supply voltage at AC • 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	110 V 132 V 0.8 1.1
type of voltage of the control supply voltage control supply voltage at AC • 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	110 V 132 V 0.8 1.1 68 VA
type of voltage of the control supply voltage control supply voltage at AC • 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	110 V 132 V 0.8 1.1 68 VA 68 VA
type of voltage of the control supply voltage control supply voltage at AC • 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 • at 60 Hz	110 V 132 V 0.8 1.1 68 VA 68 VA 95 VA
type of voltage of the control supply voltage control supply voltage at AC • 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 • at 60 Hz inductive power factor with closing power of the coil	110 V 132 V 0.8 1.1 68 VA 68 VA 95 VA 0.86
type of voltage of the control supply voltage control supply voltage at AC • 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 • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz	110 V 132 V 0.8 1.1 68 VA 68 VA 95 VA 0.86 0.86
type of voltage of the control supply voltage control supply voltage at AC • 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 • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz	110 V 132 V 0.8 1.1 68 VA 68 VA 95 VA 0.86 0.86 0.79
type of voltage of the control supply voltage control supply voltage at AC • 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 • 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	110 V 132 V 0.8 1.1 68 VA 68 VA 95 VA 0.86 0.86 0.79 10 VA
type of voltage of the control supply voltage control supply voltage at AC • 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 • 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	110 V 132 V 0.8 1.1 68 VA 68 VA 95 VA 0.86 0.86 0.79 10 VA 10 VA
type of voltage of the control supply voltage control supply voltage at AC • 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 • 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 apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz	110 V 132 V 0.8 1.1 68 VA 68 VA 95 VA 0.86 0.86 0.79 10 VA 10 VA 12 VA
type of voltage of the control supply voltage control supply voltage at AC • 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 • 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 60 Hz inductive power factor with the holding power of the coil	110 V 132 V 0.8 1.1 68 VA 68 VA 95 VA 0.86 0.79 10 VA 10 VA 12 VA 0.29
type of voltage of the control supply voltage control supply voltage at AC • 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 • 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 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	110 V 132 V 0.8 1.1 68 VA 68 VA 95 VA 0.86 0.86 0.79 10 VA 10 VA 12 VA 0.29 0.29
type of voltage of the control supply voltage control supply voltage at AC • 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 • 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 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	110 V 132 V 0.8 1.1 68 VA 68 VA 95 VA 0.86 0.86 0.79 10 VA 10 VA 12 VA 0.29 0.29 0.3
type of voltage of the control supply voltage control supply voltage at AC • 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 • 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 arcing time Auxiliary circuit	110 V 132 V 0.8 1.1 68 VA 68 VA 95 VA 0.86 0.86 0.79 10 VA 10 VA 12 VA 0.29 0.29 0.3
type of voltage of the control supply voltage control supply voltage at AC • 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 • 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 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	110 V 132 V 0.8 1.1 68 VA 68 VA 95 VA 0.86 0.86 0.79 10 VA 10 VA 12 VA 0.29 0.29 0.3
type of voltage of the control supply voltage control supply voltage at AC • 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 • 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 arcing time Auxiliary circuit number of NC contacts for auxiliary contacts	110 V 132 V 0.8 1.1 68 VA 68 VA 95 VA 0.86 0.86 0.79 10 VA 10 VA 12 VA 0.29 0.29 0.3 20 30 ms
type of voltage of the control supply voltage control supply voltage at AC • 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 • 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 • 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 • 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 • at 60 Hz	110 V 132 V 0.8 1.1 68 VA 68 VA 95 VA 0.86 0.86 0.79 10 VA 10 VA 12 VA 0.29 0.29 0.3 20 30 ms
type of voltage of the control supply voltage control supply voltage at AC • 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 • 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 • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz instantaneous contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts	110 V 132 V 0.8 1.1 68 VA 68 VA 95 VA 0.86 0.86 0.79 10 VA 10 VA 12 VA 0.29 0.29 0.3 20 30 ms
type of voltage of the control supply voltage control supply voltage at AC • 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 • 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 arcing time Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts	110 V 132 V 0.8 1.1 68 VA 68 VA 95 VA 0.86 0.86 0.79 10 VA 10 VA 12 VA 0.29 0.29 0.3 20 30 ms
type of voltage of the control supply voltage control supply voltage at AC at 50 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 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 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 original for a factor with the holding power of the coil at 50 Hz original factor with the holding power of the coil original factor with the holding power of the coil original factor with the holding power of the coil original factor with the holding power of the coil original factor with the holding power of the coil original factor with the holding power of the coil original factor with the holding power of the coil original factor with the holding power of the coil original factor with the holding power of the coil	110 V 132 V 0.8 1.1 68 VA 68 VA 95 VA 0.86 0.86 0.79 10 VA 10 VA 12 VA 0.29 0.29 0.3 20 30 ms
type of voltage of the control supply voltage control supply voltage at AC at 50 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 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 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 inductive power factor with the holding power of the coil at 50 Hz inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil at 50 Hz other factor with the holding power of the coil inductive power factor with the holding power of the coil other factor with the holding power of the coil other factor with the holding power of the coil other factor with the holding power of the coil other factor with the holding power of the coil other factor with the holding power of the coil other factor with the holding power of the coil other factor with the holding power of the coil other factor with the holding power of the coil other factor with the holding power of the coil other factor with the coil other factor with closing power of the coil other factor with the coil other factor with the coil other factor with closing power of the coil other f	110 V 132 V 0.8 1.1 68 VA 68 VA 95 VA 0.86 0.86 0.79 10 VA 10 VA 12 VA 0.29 0.29 0.3 20 30 ms
type of voltage of the control supply voltage control supply voltage at AC at 50 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 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 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 original for a factor with the holding power of the coil at 50 Hz original factor with the holding power of the coil original factor with the holding power of the coil original factor with the holding power of the coil original factor with the holding power of the coil original factor with the holding power of the coil original factor with the holding power of the coil original factor with the holding power of the coil original factor with the holding power of the coil original factor with the holding power of the coil	110 V 132 V 0.8 1.1 68 VA 68 VA 95 VA 0.86 0.86 0.79 10 VA 10 VA 12 VA 0.29 0.29 0.3 20 30 ms

operational current at AC-15	
at 230 V rated value	5.6 A
at 400 V rated value	3.6 A
at 500 V rated value	2.5 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
at 220 V rated value	0.9 A
• at 600 V rated value	0.22 A
operational current at DC-13	
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	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	
for short-circuit protection of the main circuit with type of coordination 1 required.	2 v 2NA2020 (50 A) in soriog (750 V 2 kA)
— with type of coordination 1 required	2 x 3NA3020 (50 A) in series (750 V, 3 kA)
— with type of assignment 2 required	2 x 3NA3020 (50 A) in series (750 V, 3 kA)
for short-circuit protection of the auxiliary switch required	gG: 16 A (500 V, 1 kA)
Installation/ mounting/ dimensions	100 70 111 111 111 111 111 111 111 111
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 and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022
fastening method side-by-side mounting	Yes
height	85 mm
width	70 mm
depth	104 mm
	104 mm
depth	
depth required spacing	104 mm 15 mm
depth required spacing • with side-by-side mounting	
depth required spacing • with side-by-side mounting — forwards	15 mm
depth required spacing • with side-by-side mounting — forwards — backwards	15 mm 0 mm
depth required spacing • with side-by-side mounting — forwards — backwards — upwards	15 mm 0 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards	15 mm 0 mm 10 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side	15 mm 0 mm 10 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts	15 mm 0 mm 10 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards	15 mm 0 mm 10 mm 10 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — backwards	15 mm 0 mm 10 mm 10 mm 10 mm 0 mm
depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards	15 mm 0 mm 10 mm 10 mm 10 mm 0 mm
depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side • at the side • at the side • at the side — backwards — upwards — at the side	15 mm 0 mm 10 mm 10 mm 10 mm 0 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side • downwards — downwards — downwards — downwards	15 mm 0 mm 10 mm 10 mm 10 mm 0 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — backwards — at the side • for grounded parts — forwards — backwards — backwards — upwards — at the side — downwards • for live parts	15 mm 0 mm 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — backwards	15 mm 0 mm 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — backwards — upwards	15 mm 0 mm 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — backwards — upwards — downwards	15 mm 0 mm 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — backwards — backwards — backwards — downwards — downwards — at the side	15 mm 0 mm 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — backwards — upwards — backwards — upwards — at the side Connections/ Terminals	15 mm 0 mm 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — backwards — upwards — backwards — at the side Connections/ Terminals type of electrical connection	15 mm 0 mm 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm
depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — backwards — upwards — backwards — upwards — at the side Connections/ Terminals	15 mm 0 mm 10 mm 10 mm 10 mm 30 mm 0 mm 10 mm

type of connectable conductor cross-sections for main contacts	
 solid or stranded 	2x (2,5 10 mm²)
 finely stranded with core end processing 	2x (1.5 4 mm²)
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)
Electrical Safety	
protection class IP on the front according to IEC 60529	IP00
Approvals Certificates	

General Product Approval



Confirmation









General Product Ap-

Functional Saftey

Test Certificates



Type Examination Cer-

Special Test Certific-

Type Test Certificates/Test Report

Miscellaneous

Dangerous Good other

Confirmation **Transport Information**

Further information

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=3TC4417-0BF0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TC4417-0BF0

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

https://support.industry.siemens.com/cs/ww/en/ps/3TC4417-0BF0

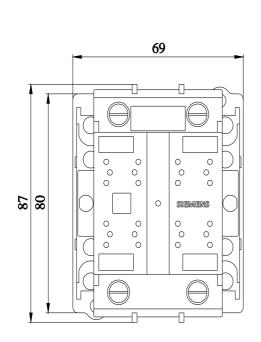
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

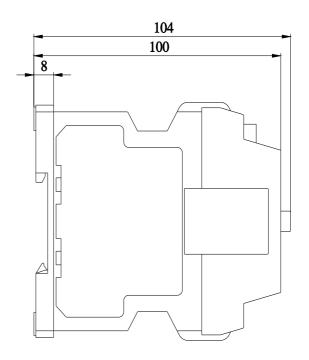
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TC4417-0BF0&lang=en

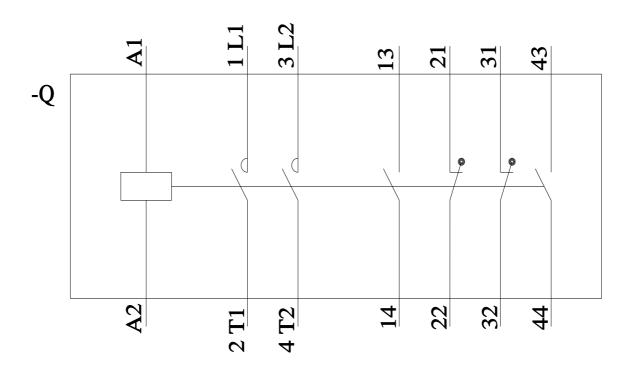
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3TC4417-0BF0/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TC4417-0BF0&objecttype=14&gridview=view1







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