## SIEMENS

## Data sheet

## 3TC4417-5KB4



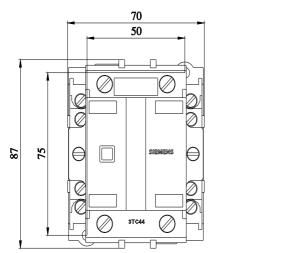
Contactor, Size 2, 2-pole, DC-3 and 5, 32 A Auxiliary switch 22 (2 NO + 2 NC) 24V DC DC operation with integrated varistor

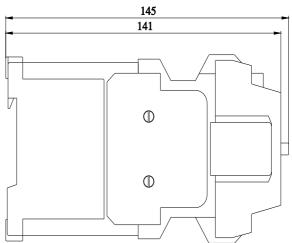
12	
product designation	Contactor
product type designation	3TC
General technical data	
size of contactor	2
product extension	
<ul> <li>function module for communication</li> </ul>	No
<ul> <li>auxiliary switch</li> </ul>	No
insulation voltage rated value	800 V
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	300 V
shock resistance at rectangular impulse	
• at DC	7,5g / 5 ms, 3,4g / 10 ms
mechanical service life (operating cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	02/01/2012
Ambient conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +55 °C
during storage	-50 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	
number of poles	2
number of poles for main current circuit	2
number of NO contacts for main contacts	2
number of NC contacts for main contacts	0
type of voltage	DC
operational current	
<ul> <li>at 1 current path at DC-1</li> </ul>	
— at 24 V rated value	32 A
— at 110 V rated value	32 A
— at 220 V rated value	32 A
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— 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

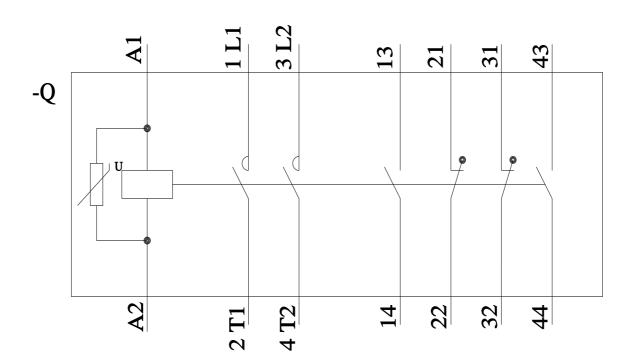
— at 750 V rated value	32 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	32 A
— at 110 V rated value	32 A
— at 220 V rated value	32 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	32 A
— at 110 V rated value	32 A
— at 220 V rated 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	
• at DC-1	
— at 110 V rated value	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	
type of voltage of the control supply voltage	DC
control supply voltage at DC	
control supply voltage at DC <ul> <li>rated value</li> </ul>	24 \/
rated value	24 V with varistor
rated value     design of the surge suppressor	with varistor
rated value     design of the surge suppressor     closing power of magnet coil at DC	with varistor 10 W
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC	with varistor 10 W 10 W
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC	with varistor 10 W 10 W 35 190 ms
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC	with varistor 10 W 10 W 35 190 ms 10 25 ms
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time	with varistor 10 W 10 W 35 190 ms
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit	with varistor         10 W         10 W         35 190 ms         10 25 ms         20 30 ms
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts	with varistor         10 W         10 W         35 190 ms         10 25 ms         20 30 ms
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts         • instantaneous contact	with varistor         10 W         10 W         35 190 ms         10 25 ms         20 30 ms
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     closing delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts         e instantaneous contact     number of NO contacts for auxiliary contacts	with varistor         10 W         10 W         35 190 ms         10 25 ms         20 30 ms
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> </ul>	with varistor         10 W         10 W         35 190 ms         10 25 ms         20 30 ms
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts         e instantaneous contact     number of NO contacts for auxiliary contacts         e instantaneous contact     number of CO contacts for auxiliary contacts	with varistor         10 W         10 W         35 190 ms         10 25 ms         20 30 ms         2         2         2         2         2         0
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts         e instantaneous contact     number of NO contacts for auxiliary contacts         e instantaneous contact     number of CO contacts for auxiliary contacts         instantaneous contact     number of CO contacts for auxiliary contacts         instantaneous contact	with varistor         10 W         10 W         35 190 ms         10 25 ms         20 30 ms         2
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> </ul>	with varistor         10 W         10 W         35 190 ms         10 25 ms         20 30 ms         2         2         2         2         2         0
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts         • instantaneous contact         number of NO contacts for auxiliary contacts         • instantaneous contact         number of CO contacts for auxiliary contacts         instantaneous contact         number of CO contacts for auxiliary contacts         instantaneous contact         number of CO contacts for auxiliary contacts         instantaneous contact         operational current at AC-12 maximum         operational current at AC-15	with varistor         10 W         10 W         35 190 ms         10 25 ms         20 30 ms         2         2         2         2         2         2         2         2         2         2         2         2         2         10 A
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> </ul> <li>number of CO contacts for auxiliary contacts         <ul> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15             <ul> <li>at 230 V rated value</li> </ul> </li> </ul></li>	with varistor         10 W         35 190 ms         10 25 ms         20 30 ms         2         2         2         2         2         2         2         2         2         2         2         2         2         10 A         5.6 A
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> </ul> <li>number of CO contacts for auxiliary contacts         <ul> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15             <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> </ul> </li> </ul></li>	with varistor         10 W         35 190 ms         10 25 ms         20 30 ms         2         2         2         2         2         2         2         2         2         2         2         2         2         2         30 ms
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> </ul> <li>number of CO contacts for auxiliary contacts         <ul> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15             <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> </ul> </li> </ul></li>	with varistor         10 W         35 190 ms         10 25 ms         20 30 ms         2         2         2         2         2         2         2         2         2         2         2         2         2         10 A         5.6 A
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> </ul> <li>number of CO contacts for auxiliary contacts         <ul> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15             <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 500 V rated value</li> </ul> </li> </ul></li>	with varistor         10 W         35 190 ms         10 25 ms         20 30 ms         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         36 A         3.6 A         2.5 A
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> </ul> <li>number of CO contacts for auxiliary contacts         <ul> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> </ul> </li> <li>number of CO contacts for auxiliary contacts         <ul> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15             <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 24 V rated value</li> </ul> </li> </ul></li>	with varistor         10 W         35 190 ms         10 25 ms         20 30 ms         2         36 A         2.5 A         10 A
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> </ul> <li>number of CO contacts for auxiliary contacts         <ul> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> </ul> </li> <li>number of CO contacts for auxiliary contacts         <ul> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15             <ul> <li>at 230 V rated value</li> <li>at 500 V rated value</li> <li>at 500 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> </ul> </li> </ul></li>	with variator         10 W         10 W         35 190 ms         10 25 ms         20 30 ms         2         36 A         2.5 A         10 A         10 A
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> </ul> <li>number of CO contacts for auxiliary contacts         <ul> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15             <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> </ul> </li> </ul></li>	with variator         10 W         35 190 ms         10 25 ms         20 30 ms         2         10 A         10 A         10 A         10 A         10 A         10 A
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> </ul> <li>number of CO contacts for auxiliary contacts         <ul> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> </ul> </li> <li>number of CO contacts for auxiliary contacts         <ul> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15             <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> </ul> </li> </ul></li>	with varistor         10 W         35 190 ms         10 25 ms         20 30 ms         2         10 A         10 A         10 A         10 A         3.2 A
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 400 V rated</li></ul>	with varistor         10 W         35 190 ms         10 25 ms         20 30 ms         2         10 A         10 A         10 A         10 A         10 A         10 A         2 A         2 S A
<ul> <li>rated value</li> <li>design of the surge suppressor</li> <li>closing power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>closing delay at DC</li> <li>opening delay at DC</li> <li>arcing time</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> </ul> </li> <li>number of CO contacts for auxiliary contacts <ul> <li>instantaneous contact</li> </ul> </li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 400 V rated value</li> <li>at 400 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> </ul>	with varistor         10 W         35 190 ms         10 25 ms         20 30 ms         2         10 A         10 A         10 A         10 A         3.2 A         2.5 A
<ul> <li>rated value</li> <li>design of the surge suppressor</li> <li>closing power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>closing delay at DC</li> <li>opening delay at DC</li> <li>arcing time</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> </ul> </li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul>	with varistor         10 W         35 190 ms         10 25 ms         20 30 ms         2         10 A         10 A         10 A         10 A         10 A         10 A         2 A         2 S A
rated value     design of the surge suppressor     closing power of magnet coil at DC     holding power of magnet coil at DC     closing delay at DC     opening delay at DC     arcing time     Auxiliary circuit     number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of VO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of VO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of VO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 400 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated v</li></ul>	with variator         10 W         35 190 ms         10 25 ms         20 30 ms         2         10 A         10 A
<ul> <li>rated value</li> <li>design of the surge suppressor</li> <li>closing power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>closing delay at DC</li> <li>opening delay at DC</li> <li>arcing time</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts <ul> <li>instantaneous contact</li> </ul> </li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of CO contacts for auxiliary contacts</li> <li>identification number and letter for switching elements</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> </ul>	with varistor         10 W         35 190 ms         10 25 ms         20 30 ms         2         10 A         10 A         10 A         10 A         3.2 A         2.5 A

<ul> <li>at 60 V rated value</li> </ul>	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	
L/CSA ratings		
contact rating of auxiliary contacts according to UL	A600 / P600	
hort-circuit protection		
design of the fuse link		
<ul> <li>for short-circuit protection of the main circuit</li> </ul>		
- with type of coordination 1 required	2 x 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)	
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 16 A (500 V, 1 kA)	
stallation/ mounting/ dimensions		
mounting position	+/-22,5° rotation possible on vertical mounting surface; c and backward by +/- 22.5° on vertical mounting surface; mounting surface	
fastening method	screw and snap-on mounting onto 35 mm DIN rail accord	ding to DIN EN 50022
side-by-side mounting	Yes	
height	85 mm	
width	70 mm	
depth	145 mm	
required spacing		
<ul> <li>with side-by-side mounting</li> </ul>		
— forwards	15 mm	
— backwards	0 mm	
— upwards	10 mm	
— downwards	10 mm	
— at the side	10 mm	
<ul> <li>for grounded parts</li> </ul>		
— forwards	30 mm	
— backwards	0 mm	
— upwards	10 mm	
— at the side	10 mm	
— downwards	10 mm	
<ul> <li>for live parts</li> </ul>		
— forwards	30 mm	
— backwards	0 mm	
— upwards	10 mm	
— downwards	10 mm	
— at the side	10 mm	
onnections/ Terminals		
type of electrical connection	screw-type terminals	
• for main current circuit	screw-type terminals	
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals	
type of connectable conductor cross-sections for main contacts		
solid or stranded	2x (2,5 10 mm²)	
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1.5 4 mm²)	
type of connectable conductor cross-sections		
<ul> <li>for auxiliary contacts</li> </ul>		
— solid or stranded	2x (1 2.5 mm²)	
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.75 1.5 mm²)	
afety related data		
product function mirror contact according to IEC 60947-4-1	Yes; One NC contact each must be connected in series auxiliary switch block respectively	for the right and left
protection class IP on the front according to IEC 60529	IP00	
ertificates/ approvals		
General Product Approval		Functional Safety/Safety of I chinery

SP S		<u>Confirmation</u>		EAC	<u>Type Examination Cer-</u> tificate			
Functional Safety/Safety of Ma- chinery	Declaration of Conform	nity	Test Certificates					
Type Examination Cer- tificate	CE EG-Konf.	UK CA	Special Test Certific- ate	Type Test Certific- ates/Test Report	<u>Miscellaneous</u>			
other	Dangerous Good							
Further information								
	to exit the Russian mark		sian-husiness					
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.co	https://www.siemens.com/ic10							
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3TC4417-5KB4								
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TC4417-5KB4								
			en&mlfb=31C4417-5KB4					
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3TC4417-5KB4								
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TC4417-5KB4⟨=en								
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3TC4417-5KB4/char								
Further characteristics (e.g. electrical endurance, switching frequency) <a href="http://www.automation.siemens.com/bilddb/index.aspx?view=Search&amp;mlfb=3TC4417-5KB4&amp;objecttype=14&amp;gridview=view1">http://www.automation.siemens.com/bilddb/index.aspx?view=Search&amp;mlfb=3TC4417-5KB4&amp;objecttype=14&amp;gridview=view1</a>								







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