SIEMENS

3TC4817-0BU0 **Data sheet**



Contactor, Size 4, 2-pole, DC-3 and 5, 75 A Auxiliary switch 22 (2 NO + 2 NC) 240 V AC 50 Hz/288 V AC 60 Hz AC operation

product type designation 3TC General technical data size of contactor product extension • function module for communication • function module for safe isolation between old and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC mechanical service life (operating cycles) • of contactor typical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions ambient temperature • during operation • during storage • during storage - 55 +55 °C - 50 +80 °C relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit number of poles number of NO contacts for main contacts unumber of NO contacts for main contacts vippe of voltage operational current • at 1 current path at DC-1 - at 24 V rated value - at 110 V rated value - at 110 V rated value - at 120 V rated value - at 220 V rated value - at 400 V rated value - at 400 V rated value - at 400 V rated value - 456 A - 560 C - 56	product designation	Contactor
size of contactor product extension • function module for communication • function module for communication • function module for communication • auxiliary switch insulation voltage rated value maximum permissible voltage for safe isolation between coll and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC mechanical service life (operating cycles) • of contactor typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions ambient temperature • during operation • during storage relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit number of poles for main current circuit number of NC contacts for main contacts 10 type of voltage operational current • at 1 current path at DC-1 — at 24 V rated value — at 1110 V rated value — at 220 V rated value — at 220 V rated value — at 24 V rated value — at 220 V rated value — at 24 V rated value — at 220 V rated value — at 24 V rated value — at 220 V rated value — at 24 V rated value — at 220 V rated value — at 44 V	product type designation	3TC
product extension • function module for communication • auxiliary switch insulation voltage rated value maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at A C mechanical service life (operating cycles) • of contactor typical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Questions Prohibitance (Date) Ambient conditions ambient temperature • during operation • during storage relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit number of poles number of NC contacts for main contacts number of NC contacts for main contacts type of voltage operational current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 24 V rated value — at 220 V rated value — at 24 V rated value — at 44 V rated valu	General technical data	
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auxiliary switch insulation voltage rated value maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse at AC mechanical service life (operating cycles) of contactor typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Qubstance Prohibitance (Date) Ambient conditions ambient temperature of during operation during storage relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit number of poles for main current circuit number of NC contacts for main contacts number of NC contacts for main contacts vippe of voltage operational current at 1 current path at DC-1 — at 24 V rated value — at 220 V rated value — at 24 V rated value — at 220 V rated value — at 220 V rated value — at 24 V rated value — at 220 V rated value — at 24 V rated value — at 220 V rated value — at 220 V rated value — at 24 V rated value — at 44 V rated value — at 4	product extension	
insulation voltage rated value maximum permissible voltage for safe isolation between coil and main contacts according to EIX 60947-1 shock resistance at rectangular impulse • at AC 10g / 5 ms, 5g / 10 ms mechanical service life (operating cycles) • of contactor typical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions amblent temperature • during operation • during storage relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit number of poles number of poles for main current circuit number of NC contacts for main contacts type of voltage operational current • at 1 current path at DC-1 — at 24 V rated value — at 21 V rated value — at 220 V rated value — at 220 V rated value — at 21 V rated value — at 220 V rated value — at 44 V rated value — at 41 0V rated value — at 220 V rated value — at 44 V rated value — at 44 V rated value — at 220 V rated value — at 220 V rated value — at 44 V rated value — at 220 V rated value — at 220 V rated value — at 44 V rated value — at 220 V rated value — at 44 V rated value — at 44 V rated value — at 220 V rated value — at 44	 function module for communication 	No
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC mechanical service life (operating cycles) • of contactor typical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions ambient temperature • during operation • during storage relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit number of poles number of Poles for main current circuit 2 number of NC contacts for main contacts 0 type of voltage operational current • at 1 current path at DC-1 — at 24 V rated value — at 220 V rated value — at 240 V rated value — at 410 V rated value — at 440 V rated value — 75 A	auxiliary switch	Yes
coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC mechanical service life (operating cycles) • of contactor typical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions amblent temperature • during operation • during storage relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit number of poles for main current circuit number of NO contacts for main contacts type of voltage operational current • at 1 current path at DC-1 — at 24 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 250 V rated value — at 26 V rated value — at 270 V rated value — at 280 V rated value	insulation voltage rated value	800 V
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of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Questionary conditions ambient temperature ouring operation ouring storage relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit number of poles number of poles for main current circuit number of NO contacts for main contacts type of voltage operational current at 110 V rated value -at 110 V rated value -at 220 V rated value -at 110 V rated value -at 220 V rated value -at 110 V rated value -at 220 V rated value -at 240 V rated value -at 250 V rated value -at 250 V rated value -at 260 V rated value -at 260 V rated value -at 275 A -at 280 V rated value	mechanical service life (operating cycles)	
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ambient temperature • during operation • during storage relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit number of poles number of poles for main current circuit number of NO contacts for main contacts 10 contacts for main contacts 12 contacts for main contacts 13 contacts for main contacts 14 corrent path at DC-1 - at 24 V rated value - at 110 V rated value - at 220 V rated value - at 24 V rated value - at 21 V rated value - at 22 V rated value - at 22 V rated value - at 21 V rated value - at 22 V rated value - at 24 V rated value - at 44 V rated value - at 44 V rated value - at 44 V rated value - 55 A	Substance Prohibitance (Date)	03/01/2017
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relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit number of poles number of poles for main current circuit 2 number of NO contacts for main contacts 2 number of NC contacts for main contacts 0 type of voltage DC operational current • at 1 current path at DC-1 — at 24 V rated value 75 A — at 110 V rated value 75 A • with 2 current paths in series at DC-1 — at 24 V rated value 75 A — at 110 V rated value 75 A — at 110 V rated value 75 A — at 20 V rated value 75 A — at 20 V rated value 75 A — at 20 V rated value 75 A — at 110 V rated value 75 A — at 110 V rated value 75 A — at 110 V rated value 75 A — at 120 V rated value 75 A — at 220 V rated value 75 A — at 220 V rated value 75 A — at 440 V rated value 75 A	 during storage 	-50 +80 °C
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number of poles number of poles for main current circuit 2 number of NO contacts for main contacts 2 number of NC contacts for main contacts 0 type of voltage DC operational current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value 75 A — at 220 V rated value 75 A • with 2 current paths in series at DC-1 — at 24 V rated value 75 A — at 110 V rated value 75 A — at 220 V rated value 75 A — at 24 V rated value 75 A — at 24 V rated value 75 A — at 24 V rated value 75 A — at 110 V rated value 75 A — at 220 V rated value 75 A — at 220 V rated value 75 A — at 240 V rated value 75 A — at 440 V rated value 75 A		95 %
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number of NC contacts for main contacts 1 number of NC contacts for main contacts 1 type of voltage 2 operational current • at 1 current path at DC-1 - at 24 V rated value - at 110 V rated value - at 220 V rated value - at 24 V rated value - at 24 V rated value - at 25 A • with 2 current paths in series at DC-1 - at 24 V rated value - at 110 V rated value - at 220 V rated value - at 24 V rated value - at 24 V rated value - at 25 A - at 27 A - at 24 V rated value - at 27 A - at 28 V rated value - at 29 V rated value - at 29 V rated value - at 20 V rated value	number of poles	2
number of NC contacts for main contacts type of voltage operational current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value 75 A • with 2 current paths in series at DC-1 — at 24 V rated value 75 A — at 110 V rated value 75 A — at 120 V rated value 75 A — at 440 V rated value 75 A	number of poles for main current circuit	2
type of voltage operational current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value 75 A • with 2 current paths in series at DC-1 — at 24 V rated value 75 A — at 110 V rated value 75 A — at 440 V rated value 75 A — at 440 V rated value 75 A	number of NO contacts for main contacts	2
operational current • at 1 current path at DC-1	number of NC contacts for main contacts	0
 at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value with 2 current paths in series at DC-1 at 24 V rated value at 110 V rated value at 110 V rated value at 220 V rated value at 240 V rated value at 440 V rated value 5 A 	type of voltage	DC
 — at 24 V rated value — at 110 V rated value — at 220 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value 	operational current	
 — at 110 V rated value — at 220 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value 75 A — at 440 V rated value 75 A 	• at 1 current path at DC-1	
 at 220 V rated value with 2 current paths in series at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 220 V rated value at 440 V rated value 75 A 	— at 24 V rated value	75 A
 with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value 75 A — at 440 V rated value 75 A 	— at 110 V rated value	75 A
— at 24 V rated value 75 A — at 110 V rated value 75 A — at 220 V rated value 75 A — at 440 V rated value 75 A	— at 220 V rated value	75 A
 — at 110 V rated value — at 220 V rated value — at 440 V rated value 75 A — 5 A 	 with 2 current paths in series at DC-1 	
 at 220 V rated value at 440 V rated value 75 A 75 A 	— at 24 V rated value	75 A
— at 440 V rated value 75 A	— at 110 V rated value	75 A
	— at 220 V rated value	75 A
— at 600 V rated value 75 A	— at 440 V rated value	75 A
	— at 600 V rated value	75 A

— at 750 V rated value	75 A
at 1 current path at DC-3 at DC-5	
— at 24 V rated value	75 A
— at 110 V rated value	75 A
— at 220 V rated value	75 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	75 A
— at 110 V rated value	75 A
— at 220 V rated value	75 A
— at 440 V rated value	75 A
— at 600 V rated value	75 A
— at 750 V rated value	75 A
operating power	
• at DC-1	
— at 110 V rated value	8.2 kW
— at 220 V rated value	16.5 kW
— at 440 V rated value	33 kW
	56 kW
— at 750 V rated value● at DC-3 at DC-5	30 KVV
— at 110 V rated value	C E LAM
	6.5 kW
— at 220 V rated value	13 kW
— at 440 V rated value	27 kW
— at 600 V rated value	38 kW
— at 750 V rated value	45 kW
operating frequency	
• at DC-1 maximum	1 000 1/h
• at DC-3 maximum	600 1/h
at DC-5 maximum	600 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
 at 50 Hz rated value 	240 V
 at 60 Hz rated value 	288 V
operating range factor control supply voltage rated	
value of magnet coil at AC	
● at 50 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	300 VA
● at 50 Hz	300 VA
● at 60 Hz	365 VA
inductive power factor with closing power of the coil	0.5
● at 50 Hz	0.5
 at 60 Hz 	0.45
apparent holding power of magnet coil at AC	26 VA
 at 50 Hz 	26 VA
● at 60 Hz	35 VA
inductive power factor with the holding power of the	0.24
coil	
at 50 Hz	0.24
at 60 Hz	0.26
arcing time	20 30 ms
Auxiliary circuit	
number of NC contacts for auxiliary contacts	2
 instantaneous contact 	2
number of NO contacts for auxiliary contacts	2
• instantaneous contact	2
number of CO contacts for auxiliary contacts	0
identification number and letter for switching	22
elements	
operational current at AC-12 maximum	10 A
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	

and 24 V rated value and 14 V rated value and 15 OV rated value buccsa ratings contact rating of auxiliary contacts according to UL buccsa ratings contact rating of auxiliary contacts according to UL buccsa ratings contact rating of auxiliary contacts according to UL buccsa ratings contact rating of auxiliary contacts according to UL and 15 OV rated value buccsa ratings contact rating of auxiliary contacts according to UL according to the fuse link and 15 OV rated value buccsa ratings contact rating of auxiliary contacts according to UL according to the fuse link and and according to the fuse link and 15 OV rated value and 15 OV rated value 2 x 3NA31 (160 A) in series (750 V, 5 kA) 2 x 3NA31 (160 A) in series (750 V, 5 kA) 3 x 3NA31 (163 A) in series (750 V, 5 kA) 4 x 3NA31 (163 A) in series (750 V, 5 kA) 4 x 3NA31 (163 A) in series (750 V, 5 kA) 5 x 3NA31 (163 A) in series (750 V, 5 kA) 5 x 3NA31 (163 A) in series (750 V, 5 kA) 5 x 3NA31 (163 A) in series (750 V, 5 kA) 5 x 3NA31 (163 A) in series (750 V, 5 kA) 5 x 3NA31 (163 A) in series (750 V, 5 kA) 5 x 3NA31 (163 A) in series (750 V, 5 kA) 5 x 3NA31 (163 A) in series (750 V, 5 kA) 5 x 3NA31 (163 A) in series (750 V, 5 kA) 5 x 3NA31 (163 A) in series (750 V, 5 kA) 5 x 3NA31 (163 A) in series (750 V, 5 kA) 5 x 3NA31 (163 A) in series (750 V, 5 kA) 5 x 3NA31 (163 A) in series (750 V, 5 kA) 5 x 3NA31 (163 A) in seri		40.4
at 10 V rated value	at 24 V rated value	10 A
et al 10 V rated value		
e at 220 V rated value		
a the content ration of the function of the main circuit — with type of coordination of the auxiliary switch required spacing bright mounting idinensions mounting position fastening method a side by-side mounting beight contact ration of the function of the auxiliary switch required spacing with side by-side mounting beight contact ration of the function of the auxiliary switch required — with type of assignment 2 required and backward by 47-225° rotation possible on ventical mounting surface; can be titled forward and backward by 47-225° rotation mounting surface; standing on horizontal mounting surface; can be titled forward and backward by 47-225° rotation possible on ventical mounting surface; can be titled forward and backward by 47-225° rotation possible on ventical mounting surface; can be titled forward and backward by 47-225° rotation possible on ventical mounting su		
e at 24 V rated value 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5		
** at 24 V rated value		0.22 A
a tal 80 / rated value a tal 60 / rated value at 110 V rated value at 125 V rated value at 125 V rated value at 225 V rated value 0.48 A at 125 V rated value 0.07 A ULCSA ratings contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link brot short-circuit protection of the main circuit - with type of osardination i required - with type of osardination i required - with type of osardination i required - with type of osardination of the auxiliary switch required - with type of osardination of the auxiliary switch required - with type of osardination of the auxiliary switch required - with type of osardination of the auxiliary switch required - with type of osardination of the auxiliary switch required - with type of osardination of the auxiliary switch required mounting filmensions mounting position fastening method - side-by-side mounting - forwards - side-by-side mounting - forwards - backwards - backwards - backwards - ownwards - ownwar	•	40.4
a til 60 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 220 V rated value but 225 V rated value at 220 V rated value at 220 V rated value but 225 V rated value at 220 V rated value but 225 V rated value contact rating of auxillary 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 coordination 1 required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required fastening method side-by-side mounting fastening method side-by-side mounting with tild to mind depth forward and backward by +4 + 22.5" rotation possible on vertical mounting surface; can be tilted forward and backward by +4 + 22.5" rotation possible on vertical mounting surface; can be tilted forward and backward by +4 + 22.5" on vertical mounting surface; screw fixing yes		
e at 110 V rated value e at 125 V rated value 0.98 A e at 220 V rated value 0.07 A ULCSA ratings contact rating of auxillary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circut — with type of coordination 1 required — with type of assignment 2 required — side by-side mounting ### Add type of type of type of type of type of type of connectable conductor cross-sections • for auxiliary contacts — at the side — downwards — the side — downwards — the side — downwards — of for uparting #### Add type of connectable conductor cross-sections • for auxiliary contacts — sold or stranded — finely stranded with core end processing #### Add type of connectable conductor cross-sections • for auxiliary contacts — sold or stranded — finely stranded with core end processing ###### Add type of type of connectable conductor cross-sections ####### Add type of type of connectable conductor cross-sections • for auxiliary contacts — sold or stranded — finely stranded with core end processing ###################################		
e at 125 V rated value e at 600 V rated value 0.48 A 0.07 A UL/CSA ratings 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 coordinated 1 required 2 x 3NA31 (160 A) in series (750 V, 5 kA) 3 yin series (750 V, 5 kA) 2 x 3NA31 (160 A) in series (750 V, 5 kA) 2 x 3NA31 (160 A) in series (750 V, 5 kA) 2 x 3NA31 (160 A) in series (750 V, 5 kA) 3 yin series (750 V, 5 kA) 4 x 3NA31 (160 A) in series (750 V, 5 kA) 4 x 3NA31 (160 A) in series (750 V, 5 kA) 5 x 3NA31 (160 A) in series (750 V, 5 kA) 6 x 3NA31 (160 A) in series (750 V, 5 kA) 9 x		
at 220 V rated value at 600 V rated value 0.07 A UL/OSA ratings contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link of the short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required — with per of assignment 2 required — with side-by-side mounting wifaces can be titled forward and backward by +*-2.2.5° on vertical mounting surfaces; standing, on horizontal mounting surface; can be titled forward and backward by +*-2.2.5° on vertical mounting surface; standing, on horizontal mounting surface; can be titled forward and backward by +*-2.2.5° on vertical mounting surface; can be titled forward and backward by +*-2.2.5° on vertical mounting surface; can be titled forward and backward by +*-2.2.5° on vertical mounting surface; can be titled forward and backward by +*-2.2.5° on vertical mounting surface; can be titled forward and backward by +*-2.2.5° on vertical mounting surface; can be titled forward and backward by +*-2.2.5° on vertical mounting surface; can be titled forward and backward by +*-2.2.5° on vertical mounting surface; can be titled forward and backward by +*-2.2.5° on vertical mounting surface; can be titled forward by +*-2.2.5° on vertical mounting surface; can be titled forward by +*-2.2.5° on vertical mounting surface; can be titled forward by +*-2.2.5° on vertical mounting surface; can be titled forward by +*-2.2.5° on vertical mounting surface; can be titled for surface; can be titled forward by +*-2.2.5° on vertical mounting surface; can be titled for surface; can be titled forward by		
A at 600 V rated value		
contact rating of auxiliary contacts according to U. A600 7 P600 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 — with type of assignment 2 required — with type of assignment 2 required — to short-circuit protection of the auxiliary switch required — with type of coordination of the auxiliary switch required Installation mounting/ dimensions mounting position fastening method • side-by-side mounting • side-by-side mounting • with side-by-side mounting • of orwards — backwards — upwards — of ownwards — at the side • of or grounded parts — torwards — at the side — ownwards • for live parts — forwards • for live parts — torwards — obackwards — upwards • for live parts — forwards — obackwards — upwards — ownwards • for live parts — forwards — obackwards — upwards — ownwards • for live parts — forwards — obackwards — upwards — ownwards • for live parts — forwards — ownwards • for live parts — forwards — ownwards — o		
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 assignment 2 required — side-by-side mounting obtained — side-by-side mounting — side-by-side mounting — with side-by-side mounting — with side-by-side mounting — of the with side-by-side mounting surface; can be tilled forward and backwards — of the with side-by-side mounting surface; can be tilled forward and backward by 4- 22.5° rotation possible on vertical mounting surface; can be tilled forward and backward by 4- 22.5° not erious hydrogen sides on braic (750 V, 5 kA)		0.07 A
Short-circuit protection design of the fuse link 6 or short-circuit protection of the main circuit		A000 / P000
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 — with type of assignment 2 required — with type of assignment 2 required — for 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; standing, on horizontal mounting surface; standing, on		A600 / P600
• for short-circuit protection of the main circuit — with type of coordination 1 required — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required standing, on horizontal mounting surface; can be tilted forward and backward by 4- 22.5" on vertical mounting surface; can be tilted forward and backward by 4- 22.5" on vertical mounting surface; can be tilted forward and backward by 4- 22.5" on vertical mounting surface; can be tilted forward and backward by 4- 22.5" on vertical mounting surface; can be tilted forward and backward by 4- 22.5" on vertical mounting surface; can be tilted forward and backward by 4- 22.5" on vertical mounting surface; can be tilted forward and backward by 4- 22.5" on vertical mounting surface; can be tilted forward and backward by 4- 22.5" on vertical mounting surface; can be tilted forward and backward by 4- 22.5" on vertical mounting surface; can be tilted forward and backward by 4- 22.5" on vertical mounting surface; can be tilted forward by 4- 22.5" on vertical mounting surface; can be tilted forward by 4- 22.5" on vertical mounting surface; can be tilted forward by 4- 22.5" on vertical mounting surface; can be tilted forward by 4- 22.5" on vertical mounting surface; can be tilted forward by 4- 22.5" on vertical mounting surface; can be tilted forward by 4- 22.5" on vertical mounting surface; can be tilted forward by 4- 22.5" on vertical mounting surface; can be tilted forward by 4- 22.5" on vertical mounting surface; can be tilted forward by 4- 22.5" on vertical mounting surface; can be tilted forward by 4- 22.5" on vertical mounting surface; can be tilted forward by 4- 22.5" on vertica		
- with type of coordination 1 required - with type of assignment 2 required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required spacing - fastening method - side-by-side mounting - side-by-side mounting - side-by-side mounting - with side-by-side mounting - forwards - at the side - of orgrounded parts - for grounded parts - at the side - at the side - downwards - to rive parts - for orwards - backwards - downwards - to mm - the side	· ·	
- with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position ***P-22.5" rotation possible on vertical mounting surface; can be titled forward and backward by +/- 22.5" on vertical mounting surface; standing, on horizontal mounting surface; can be titled forward and backward by +/- 22.5" on vertical mounting surface; standing, on horizontal mounting surface; can be titled forward and backward by +/- 22.5" on vertical mounting surface; can be titled forward and backward by +/- 22.5" on vertical mounting surface; can be titled forward and backward by +/- 22.5" on vertical mounting surface; can be titled forward and backward by +/- 22.5" on vertical mounting surface; can be titled forward and backward by +/- 22.5" on vertical mounting surface; can be titled forward and backward by +/- 22.5" on vertical mounting surface; can be titled forward and backward by +/- 22.5" on vertical mounting surface; can be titled forward and backward by +/- 22.5" on vertical mounting surface; can be titled forward and backward by +/- 22.5" on vertical mounting surface; can be titled forward and backward by +/- 22.5" on vertical mounting surface; can be titled forward and backward by +/- 22.5" on vertical mounting surface; can be titled forward and backward by +/- 22.5" on vertical mounting surface; can be titled forward and backward by +/- 22.5" on vertical mounting surface; can be titled forward and backward by +/- 22.5" on vertical mounting surface; can be titled forward and backward by +/- 22.5" on vertical mounting surface; can be titled forward and backward by +/-	•	
For short-circuit protection of the auxiliary switch required Installation mounting/ dimensions mounting position fastening method		
Installation/ mounting/ dimensions mounting position 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; standing on horizontal mounting surface; standing surface; standing on horizontal mounting surface; standing under surface; standing unde		
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; st		gG: 16 A (500 V, 1 kA)
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 sufface; st	<u> </u>	
fastening method • side-by-side mounting • side-by-side mounting height width depth - forwards - backwards - downwards - for grounded parts - forwards - upwards - the side - downwards - upwards - the side - backwards - the side - forwards - the side - forwards - forwards - forwards - forwards - the side - for grounded parts - forwards - upwards - upwards - the side - the side - downwards - upwards - the side - the side - downwards - upwards - the side - downwards - the side - forwards - the side - forwards - forwards - the side		
standing, on horizontal mounting surface screw fixing • side-by-side mounting height width depth 100 mm depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — of origrounded parts — forwards — backwards — on mm — at the side • for grounded parts — forwards — upwards — upwards — lo mm • forwards — on mm • for forwards — on mm — at the side • for grounded parts — forwards — backwards — upwards — lo mm • for main current forwards • for live parts — forwards — backwards — ownwards • for live parts — forwards — backwards — upwards — ownwards • for live parts — forwards — backwards — upwards — lo mm • for main current forwards — at the side — lo mm • for main current forwards — at the side — for auxiliary and control circuit • for auxiliary and control circuit * screw-type terminals * type of connectable conductor cross-sections • for auxiliary and control circuit * screw-type terminals	mounting position	
estening method • side-by-side mounting height width depth 100 mm depth 156 mm required spacing • with side-by-side mounting - forwards - backwards - upwards - downwards - for live parts - for live parts - backwards - downwards - the side - box wards - 10 mm - the side - upwards - 10 mm - the side - upwards - 10 mm - the side - upwards - the side - the s		
• side-by-side mounting helght 177.5 mm width 100 mm depth 156 mm • with side-by-side mounting • with side-by-side mounting - forwards 20 mm - backwards 0 mm - downwards 10 mm - at the side 10 mm • for grounded parts - for grounded parts - backwards 0 mm - at the side 10 mm • for for grounded parts - forwards 55 mm - backwards 0 mm - at the side 10 mm • for live parts - a for live parts - for live parts - forwards 55 mm • for live parts - for wards 0 mm • for live parts - for main current circuit screw-type terminals type of electrical connection • for auxiliary and control circuit screw-type terminals type of connectable conductor cross-sections • for auxiliary and control circuit screw-type terminals type of connectable conductor cross-sections • for auxiliary and control circuit screw-type terminals trype of connectable conductor cross-sections • for auxiliary and control circuit screw-type terminals trype 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) Safety related data product function mirror contact according to IEC 60947-4-	fastening method	
height width 100 mm 100		· · · · · · · · · · · · · · · · · · ·
width depth 156 mm 156 mm 176		
required spacing with side-by-side mounting — forwards — backwards — upwards — downwards — the side — for grounded parts — forwards — backwards — backwards — upwards — upwards — the side — forwards — backwards — upwards — at the side — 10 mm — upwards — upwards — 10 mm — upwards — of mm — odwnwards — of or live parts — forwards — backwards — omm — backwards — omm — upwards — to mm — at the side — to mm — upwards — to mm — the side — to 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 Safety related data product function mirror contact according to IEC 60947-4- Yes	_	100 mm
required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — to fire grounded parts — forwards — backwards — to mm — upwards — forwards — forwards — backwards — upwards — upwards — upwards — upwards — 10 mm — upwards — 10 mm — upwards — of mm — upwards — of mm — downwards — forwards — forwards — forwards — forwards — forwards — to mm — upwards — of mm — upwards — of mm — of mm — at the side — to mm — at the side — to 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 Safety related data product function mirror contact according to IEC 60947-4- Yes	depth	156 mm
with side-by-side mounting — forwards — backwards — upwards — downwards — at the side — for grounded parts — forwards — backwards — upwards — backwards — upwards — upwards — backwards — upwards — upwards — upwards — at the side — downwards — of or mm — at the side — downwards — downwards — for live parts — for live parts — backwards — backwards — upwards — at the side — to mm — at the side — to mm — at the side — backwards — to mm — upwards — to mm — at the side — to mm — side — to mm Sarew-type terminals verw-type terminals	•	
forwards backwards upwards upwards downwards at the side of for grounded parts forwards backwards backwards upwards upwards upwards at the side downwards upwards of live parts forwards for wards forwards of live parts forwards upwards upwards to mm downwards upwards upwards to mm downwards upwards upwards upwards upwards upwards upwards the side downwards at the side the side to mm at the side for main current circuit for auxiliary and control circuit for auxiliary and control circuit for auxiliary and control circuit solid or stranded finely stranded with core end processing finely stranded data product function mirror contact according to IEC 60947-4 Yes		
- upwards - downwards - at the side • for grounded parts - forwards - backwards - upwards - at the side 10 mm - backwards - upwards - downwards - downwards - for live parts - forwards - backwards - backwards - downwards - to mm - upwards - backwards - backwards - backwards - upwards - downwards - upwards - downwards - at the side - downwards - at the side - downwards - at the side - to mm - upwards - downwards - at the side - to mm - 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 and control circuit - screw-type terminals type of connectable conductor cross-sections - for auxiliary contacts - solid or stranded - finely stranded with core end processing Safety related data product function mirror contact according to IEC 60947-4-		20 mm
- downwards - at the side • for grounded parts - forwards - backwards - upwards - upwards - at the side - downwards - downwards - for live parts - forwards - backwards - memory for live parts - forwards - backwards - backwards - backwards - upwards - upwards - upwards - downwards - downwards - at the side - downwards - at the side - for main current circuit - for auxiliary and control circuit - for auxiliary contacts - solid or stranded - finely stranded with core end processing Safety related data product function mirror contact according to IEC 60947-4- Yes	— backwards	0 mm
- at the side • for grounded parts forwards backwards backwards upwards upwards at the side downwards • for live parts forwards backwards forwards forwards forwards backwards backwards upwards downwards upwards downwards at the side downwards at the side to 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 Safety related data product function mirror contact according to IEC 60947-4- Yes	— upwards	10 mm
• for grounded parts - forwards - backwards - upwards - upwards - at the side - downwards • for live parts - forwards - forwards - forwards - forwards - forwards - backwards - backwards - upwards - upwards - downwards 10 mm - downwards 10 mm - at the side 10 mm Connections/ Terminals type of electrical connection • for auxiliary and control circuit • for auxiliary and control circuit type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing Safety related data product function mirror contact according to IEC 60947-4- Yes	— downwards	10 mm
- forwards 55 mm - backwards 0 mm - upwards 10 mm - at the side 10 mm - downwards 10 mm • for live parts - forwards 55 mm - backwards 0 mm - upwards 10 mm - backwards 10 mm - upwards 10 mm - upwards 10 mm - at the side 10 mm - at the side 10 mm - at the side 55 mm - backwards 55 mm - backwards 10 mm - connections/Terminals - 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 2x (1 2,5 mm²) - finely stranded with core end processing 2x (0.75 1.5 mm²) Safety related data product function mirror contact according to IEC 60947-4-	— at the side	10 mm
- backwards 0 mm - upwards 10 mm - at the side 10 mm - downwards 10 mm • for live parts - forwards 55 mm - backwards 0 mm - upwards 10 mm - downwards 10 mm - at the side 10 mm Connections/ Terminals type of electrical connection screw-type terminals • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded 2x (1 2,5 mm²) - finely stranded with core end processing 2x (0.75 1.5 mm²) Safety related data product function mirror contact according to IEC 60947-4-	 for grounded parts 	
- upwards 10 mm - at the side 10 mm - downwards 10 mm • for live parts - forwards 55 mm - backwards 0 mm - upwards 10 mm - downwards 10 mm - at the side 10 mm Connections/ Terminals type of electrical connection screw-type terminals • for 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) Safety related data product function mirror contact according to IEC 60947-4-	— forwards	55 mm
- at the side 10 mm - downwards 10 mm • for live parts - forwards 55 mm - backwards 0 mm - upwards 10 mm - downwards 10 mm - at the side 10 mm Connections/ Terminals type of electrical connection screw-type terminals • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded 2x (1 2,5 mm²) - finely stranded with core end processing 2x (0.75 1.5 mm²) Safety related data product function mirror contact according to IEC 60947-4- Yes	— backwards	0 mm
- downwards • for live parts - forwards - backwards 0 mm - upwards 10 mm - downwards 10 mm - 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 Safety related data product function mirror contact according to IEC 60947-4- Yes		10 mm
 for live parts forwards backwards upwards downwards at the side Connections/ Terminals for main current circuit for auxiliary and control circuit for auxiliary contacts for auxiliary contacts solid or stranded finely stranded with core end processing Safety related data product function mirror contact according to IEC 60947-4- Yes 	— at the side	10 mm
- forwards 55 mm - backwards 0 mm - upwards 10 mm - downwards 10 mm - at the side 10 mm Connections/ Terminals type of electrical connection screw-type terminals • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded 2x (1 2,5 mm²) - finely stranded with core end processing 2x (0.75 1.5 mm²) Safety related data product function mirror contact according to IEC 60947-4- Yes	— downwards	10 mm
- backwards 0 mm - upwards 10 mm - downwards 10 mm - at the side 10 mm Connections/ Terminals type of electrical connection screw-type terminals • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded 2x (1 2,5 mm²) - finely stranded with core end processing 2x (0.75 1.5 mm²) Safety related data product function mirror contact according to IEC 60947-4- Yes	 for live parts 	
- 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 Safety related data product function mirror contact according to IEC 60947-4- Yes	— forwards	
- 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 Safety related data product function mirror contact according to IEC 60947-4- Yes	— backwards	0 mm
— 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 Safety related data product function mirror contact according to IEC 60947-4- Yes		
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 Safety related data product function mirror contact according to IEC 60947-4- Yes		
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 Safety related data product function mirror contact according to IEC 60947-4- Yes		10 mm
• 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 Safety related data product function mirror contact according to IEC 60947-4- Yes	Connections/ 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 Safety related data product function mirror contact according to IEC 60947-4- Yes	type of electrical connection	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) 2x (0.75 1.5 mm²) Safety related data product function mirror contact according to IEC 60947-4- Yes		screw-type terminals
● for auxiliary contacts — solid or stranded — finely stranded with core end processing 2x (1 2,5 mm²) 2x (0.75 1.5 mm²) Safety related data product function mirror contact according to IEC 60947-4- Yes		screw-type terminals
 — solid or stranded — finely stranded with core end processing 2x (1 2,5 mm²) 2x (0.75 1.5 mm²) Safety related data product function mirror contact according to IEC 60947-4- Yes		
— finely stranded with core end processing 2x (0.75 1.5 mm²) Safety related data product function mirror contact according to IEC 60947-4- Yes		
Safety related data product function mirror contact according to IEC 60947-4- Yes	— solid or stranded	
product function mirror contact according to IEC 60947-4- Yes	— finely stranded with core end processing	2x (0.75 1.5 mm²)
	Safety related data	
	product function mirror contact according to IEC 60947-4-	Yes
	1	

protection class IP on the front according to IEC 60529

touch protection on the front according to IEC 60529

IP00; IP20 with box terminal/cover

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

Certificates/ approvals

General Product Approval

Functional Safety/Safety of Machinery





Confirmation





Type Examination Certificate

Functional Safety/Safety of Machinery

Declaration of Conformity

Test Certificates

Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

Miscellaneous

Marine / Shipping

other

Dangerous Good



Confirmation

Transport Information

Further information

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3TC4817-0BU0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TC4817-0BU0

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

https://support.industry.siemens.com/cs/ww/en/ps/3TC4817-0BU0

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

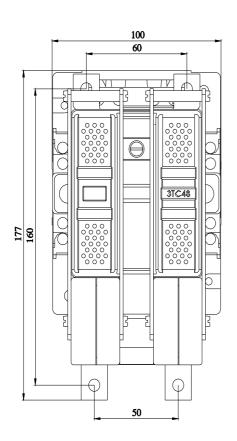
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TC4817-0BU0&lang=en

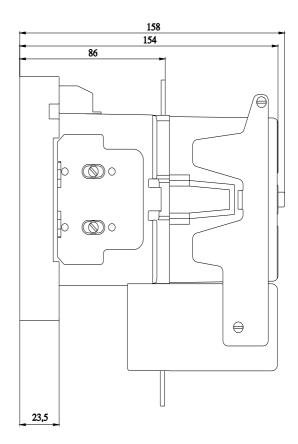
Characteristic: Tripping characteristics, I2t, Let-through current

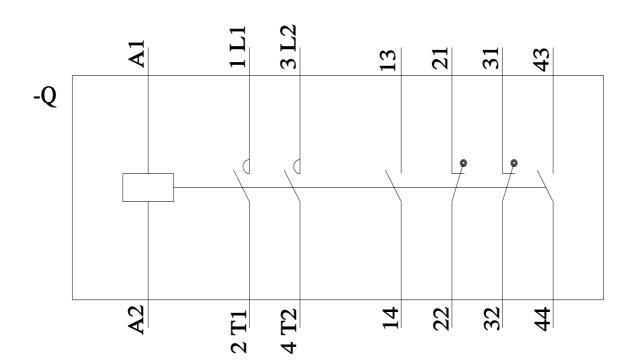
https://support.industry.siemens.com/cs/ww/en/ps/3TC4817-0BU0/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TC4817-0BU0&objecttype=14&gridview=view1







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