SIEMENS

Data sheet



power contactor, AC-3, 51 A, 22 kW / 400 V, 4-pole, 230 V AC, 50 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S2 $\,$

product brand name	SIRIUS
product designation	Contactor
product type designation	3RT23
General technical data	
size of contactor	S2
product extension	
 function module for communication 	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	17.2 W
at AC in hot operating state per pole	4.3 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	690 V
 of the auxiliary and control circuit with degree of pollution 3 rated value 	690 V
surge voltage resistance	
 of main circuit rated value 	6 kV
of auxiliary circuit rated value	6 kV
shock resistance at rectangular impulse	
• at AC	11.8g / 5 ms, 7.4g / 10 ms
shock resistance with sine pulse	
• at AC	18.5g / 5 ms, 11.6g / 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)	10/01/2014
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	302 kg
Global Warming Potential [CO2 eq] during manufacturing	4.83 kg
Global Warming Potential [CO2 eq] during operation	297 kg

Global Warming Potential [CO2 eq] after end of life	-0.64 kg
Main circuit	-0.04 ng
	1
number of poles for main current circuit	4
number of NO contacts for main contacts	4
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated value 	60 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated	60 A
value	00 A
— up to 690 V at ambient temperature 60 °C rated	55 A
value	
• at AC-3	
— at 400 V rated value	51 A
— at 690 V rated value	24 A
at AC-4 at 400 V rated value	41 A
minimum cross-section in main circuit at maximum AC-1 rated	25 mm ²
value	
operating power	22 144
• at AC-3 at 400 V rated value	22 kW
• at AC-4 at 400 V rated value	22 kW
short-time withstand current in cold operating state up to 40 °C	
limited to 1 s switching at zero current maximum	628 A; Use minimum cross-section acc. to AC-1 rated value
limited to 5 s switching at zero current maximum	628 A; Use minimum cross-section acc. to AC-1 rated value
limited to 10 s switching at zero current maximum	468 A; Use minimum cross-section acc. to AC-1 rated value
limited to 30 s switching at zero current maximum	282 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	227 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	227 71, OSC Millimitati Oloso Scottori acc. to 710 Trated Value
• at AC	5 000 1/h
operating frequency at AC-1 maximum	1 000 1/h
Control circuit/ Control	1 000 1/11
Control circuit Control	
tune of voltage	AC
type of voltage	AC
type of voltage of the control supply voltage	AC AC
type of voltage of the control supply voltage control supply voltage at AC	AC
type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value	
type of voltage of the control supply voltage control supply voltage at AC	AC
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	AC
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	AC 230 V
type of voltage of the control supply voltage control supply voltage at AC	AC 230 V
type of voltage of the control supply voltage control supply voltage at AC	AC 230 V 0.8 1.1
type of voltage of the control supply voltage control supply voltage at AC	AC 230 V 0.8 1.1
type of voltage of the control supply voltage control supply voltage at AC	AC 230 V 0.8 1.1 190 VA
type of voltage of the control supply voltage control supply voltage at AC	AC 230 V 0.8 1.1 190 VA
type of voltage of the control supply voltage control supply voltage at AC	AC 230 V 0.8 1.1 190 VA 0.72
type of voltage of the control supply voltage control supply voltage at AC	AC 230 V 0.8 1.1 190 VA 0.72
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 inductive power factor with closing power of the coil • at 50 Hz apparent holding power of magnet coil at AC • at 50 Hz inductive power factor with the holding power of the coil	AC 230 V 0.8 1.1 190 VA 0.72 16 VA
type of voltage of the control supply voltage control supply voltage at AC	AC 230 V 0.8 1.1 190 VA 0.72 16 VA
type of voltage of the control supply voltage control supply voltage at AC	AC 230 V 0.8 1.1 190 VA 0.72 16 VA 0.37
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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 inductive power factor with closing power of the coil • at 50 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 closing delay • at AC opening delay	AC 230 V 0.8 1.1 190 VA 0.72 16 VA 0.37 10 80 ms
type of voltage of the control supply voltage control supply voltage at AC	AC 230 V 0.8 1.1 190 VA 0.72 16 VA 0.37 10 80 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 inductive power factor with closing power of the coil • at 50 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 inductive power factor with the holding power of the coil • at 50 Hz closing delay • at AC opening delay • at AC arcing time	AC 230 V 0.8 1.1 190 VA 0.72 16 VA 0.37 10 80 ms 10 20 ms
type of voltage of the control supply voltage control supply voltage at AC	AC 230 V 0.8 1.1 190 VA 0.72 16 VA 0.37 10 80 ms 10 20 ms
type of voltage of the control supply voltage control supply voltage at AC	AC 230 V 0.8 1.1 190 VA 0.72 16 VA 0.37 10 80 ms 10 18 ms 10 20 ms Standard A1 - A2
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 inductive power factor with closing power of the coil • at 50 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 closing delay • at AC opening delay • at AC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts	AC 230 V 0.8 1.1 190 VA 0.72 16 VA 0.37 10 80 ms 10 18 ms 10 20 ms Standard A1 - A2
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 inductive power factor with closing power of the coil • at 50 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 inductive power factor with the holding power of the coil • at 50 Hz closing delay • at AC opening delay • at AC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts • attachable • instantaneous contact	AC 230 V 0.8 1.1 190 VA 0.72 16 VA 0.37 10 80 ms 10 18 ms 10 20 ms Standard A1 - A2
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 inductive power factor with closing power of the coil • at 50 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 inductive power factor with the holding power of the coil • at 50 Hz closing delay • at AC opening delay • at AC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts • attachable	AC 230 V 0.8 1.1 190 VA 0.72 16 VA 0.37 10 80 ms 10 18 ms 10 20 ms Standard A1 - A2
type of voltage of the control supply voltage control supply voltage at AC	AC 230 V 0.8 1.1 190 VA 0.72 16 VA 0.37 10 80 ms 10 20 ms Standard A1 - A2
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### 42 30 V reted value		
### 2500 V rated value ### 24 V rated value ### 24 V rated value ### 25 V rated value ### 25 V rated value ### 26 V rated value ### 27 V rated value ### 27 V rated value ### 28	at 230 V rated value	10 A
a	at 400 V rated value	3 A
Operational current at DC-12	• at 500 V rated value	2 A
10 A 24 V rated value	at 690 V rated value	1 A
44 8V rated value	operational current at DC-12	
• at 60 V rated value	at 24 V rated value	10 A
• at 110 V rated value	• at 48 V rated value	6 A
1125 V rated value	at 60 V rated value	6 A
and 1220 V rated value by a 1600 V rated value call 84 V rated value call 85 V rated value call 85 V rated value call 86 V rated value call 80 V rated value contact ratellisty of auxiliary contacts to the auxiliary switch required contact ratellisty of auxiliary contacts to the auxiliary switch required contact ratellisty of auxiliary contacts trategraph product function short circuit protection product function short circuit protection call 80 V rated value contact ratellisty of auxiliary contacts No Contact ratellisty of auxiliary contacts Social Ratellists For short-circuit protection with type of coordination 1 required call 80 V ratel Ratellisty of Ratellists contact ratellist	• at 110 V rated value	3 A
• at 600 V rated value	• at 125 V rated value	2 A
operational current at DC-13 • at 24 V rated value • at 16 V rated value • at 16 V rated value • at 110 V rated value • at 110 V rated value • at 1220 V rated value • at 220 V rated value • at 2000 V	• at 220 V rated value	1 A
at 24 V rated value at 48 V rated value at 125 V rated value 1 A at 125 V rated value 1 A at 250 V rated value 2 A at 250 V rated value 3 A 4 8 100 V rated value 3 A 4 8 100 V rated value 4 8 100 V rated value 5 A 6 8 10 A (230 V, 400 A) The auditiny witch required Contact rating billiny of auxiliary contacts Contact rating of auxiliary contacts according to UL A500 / P600 Short-circuit protection product function short circuit protection design of the fuse link 6 for short-circuit protection of the main circuit — with type of assignment 2 required 8 A 6 for short-circuit protection of the main circuit — with type of assignment 2 required 8 A 6 for short-circuit protection of the auxiliary switch required 8 A 8 A) 8 (600 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) 8 A) 8 (600 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) 9 A (600 V, 100 kA) 9 A (600 V, 100 kA) 10 A (600 V,	• at 600 V rated value	0.15 A
	operational current at DC-13	
at 110 V rated value at 128 V rated value at 200 V rated value at 200 V rated value at 200 V rated value 30.3 A at 400 V rated value 30.1 A gg: 10 A (230 V, 400 A) gg: 10 A (250 V, 400 A) gg: 10 A (250 V, 400 A) gg: 10 A (800 V, 100 MA) gg: 10 A (800 V, 100 MA), abt: 80 A (600 V, 100 MA), BS88: 125 A (415 V, 80 MA) gg: 10 A (800 V, 100 MA), abt: 80 A (600 V, 100 MA), BS88: 125 A (415 V, 80 MA) gg: 10 A (800 V, 100 MA) gg: 10 A (800 V, 100 MA), abt: 80 A (600 V, 100 MA), BS88: 125 A (415 V, 80 MA) gg: 10 A (800 V, 100 MA) gg: 10 A (800 V, 100 MA), abt: 80 A (600 V, 100 MA), BS88: 125 A (415 V, 80 MA) gg: 10 A (800 V, 100 MA) gg: 10 A (800 V, 100 MA), abt: 80 A (600 V, 100 MA), BS88: 125 A (415 V, 80 MA) gg: 10 A (800 V, 100 MA) gg: 10 A (800 V, 100 MA), abt: 80 A (600 V, 100 MA), BS88: 125 A (415 V, 80 MA) gg: 10 A (800 V, 100 MA) gg: 10 A (800 V, 100 MA), abt: 80 A (600 V, 100 MA), BS88: 125 A (415 V, 80 MA) gg: 10 A (800 V, 100 MA), abt: 80 A (600 V, 100 MA), BS88: 125 A (415 V, 80 MA) gg: 10 A (800 V, 100 MA), abt: 80 A (600 V, 100 MA), BS88: 125 A (415 V, 80 MA) gg: 10 A (800 V, 100 MA), abt: 80 A (600 V, 100 MA), BS88: 125 A (415 V, 80 MA) gg: 10 A (800 V, 100 MA), abt: 80 A (600 V, 100 MA), BS88: 125 A (415 V, 80 MA) gg: 10 A (800 V, 100 MA), abt: 80 A (600 V, 100 MA), BS88: 125 A (415 V, 80 MA) gg: 10 A (800 V, 100 MA), abt: 80 A (600 V, 100 MA), BS88: 125 A (415 V, 80 MA) gg: 10 A (800 V, 100 MA), abt: 80 A (600 V, 100 MA), BS88: 125 A (415 V, 80 MA) gg: 10 A (800 V, 100 MA), abt: 80 A (600 V, 100 MA), BS88: 125 A (415 V, 80 MA) gg: 10 A (800 V, 100 MA), abt: 80 A (600 V, 100 MA), BS88: 125 A (415 V, 80 MA) gg: 10 A (800 V, 100 MA),	at 24 V rated value	10 A
at 125 V rated value at 220 V rated value contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UUCSA ratings contact reliability of auxiliary contacts according to UL Short-circuit protection Product function short circuit protection design of the fuse link of ro short-circuit protection of the main circuit with type of coordination 1 required of short-circuit protection of the auxiliary switch required of statening method occurrence fastening method fastenin	• at 48 V rated value	2 A
at 220 V rated value at 500 V rated value at 500 V rated value 30:1 0A 30:10 A 30:10	• at 110 V rated value	1 A
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of the auxiliary switch required contact reliability of auxiliary contacts UL/CSA ratings contact rating of auxiliary contacts according to UL A600 / P600 Short-circuit protection product function short circuit protection with type of coordination 1 required with type of assignment 2 required of or short-circuit protection of the main circuit with type of assignment 2 required of or short-circuit protection of the auxiliary switch required of or short-circuit protection of the auxiliary switch required of statellation/mounting/dimensions mounting position ##1-180* rotation possible on vertical mounting surface; can be tilted forward and backward by #-£ 22.5* on vertical mounting surface; can be tilted forward and backward by #-£ 22.5* on vertical mounting surface; can be tilted forward and backward by #-£ 22.5* on vertical mounting surface; can be tilted forward and backward by #-£ 22.5* on vertical mounting surface; can be tilted forward and backward by #-£ 22.5* on vertical mounting surface; can be tilted forward and backward by #-£ 22.5* on vertical mounting surface; can be tilted forward and backward by #-£ 22.5* on vertical mounting surface; can be tilted forward and backward by #-£ 22.5* on vertical mounting surface; can be tilted forward and backward by #-£ 22.5* on vertical mounting surface; can be tilted forward and backward by #-£ 22.5* on vertical mounting surface; can be tilted forward and backward by #-£ 22.5* on vertical mounting surface; can be tilted forward and backward by #-£ 22.5* on vertical mounting surface; can be tilted forward and backward by #-£ 22.5* on vertical mounting surface; can be tilted forward and backward by #-£ 22.5* on vertical mounting surface; can be tilted forward and backward by #-£ 22.5* on vertical mounting surface; can be tilted forward and backward by #-£ 22.5* on vertical mounting surface; can be tilted forward and backward by #-£ 22.5* on vertical mounting surface; can be tilted forward and backward by #-£ 22.5* on vertical mounting surface; can be tilted f		
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contact rating of auxiliary contacts according to UL Short-icruit protection product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit — 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 • 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 • 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 • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts Screw-type terminals • contactor for auxiliary contacts		
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design of the fuse link • for short-circul protection of the main circuit — with type of coordination 1 required §G: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) — with type of assignment 2 required • for short-circult protection of the auxiliary switch required • for short-circult protection of the auxiliary switch required • for short-circult protection of the auxiliary switch required • for short-circult protection of the auxiliary switch required • for short-circult protection of the auxiliary switch required • for short-circult protection of the auxiliary switch required • for short-circult protection of the auxiliary switch required • for short-circult protection of the auxiliary switch required • for short-circult protection of the auxiliary switch required • for short-circult protection of the auxiliary switch required • for short-circult protection of the auxiliary switch required • for short-circult protection of the auxiliary switch required • for short-circult protection of the auxiliary switch required • for short-circult protection of the auxiliary and the switch protection of the survival sur		No
• for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • 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 • 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 • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the same short-circuit screw-type terminals • at contactor for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary scntacts • Screw-type terminals • screw-type terminals		
- 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 - for short-circuit protection of the auxiliary switch required - fastening method - fastening method - screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 - foright - forwards - forwards - downwards - at the side - forwards - at the side - downwards - at the side - forwards - at the side - downwards - at the side - downwards - at the side - forwards - forw	-	
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 possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and surface; can be tilted forward by	•	gG: 160 A (690 V 100 kA) aM: 80 A (690 V 100 kA) RS88: 125 A (415 V 80
• for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position #/-180" rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface		kA)
Installation/ mounting/ dimensions mounting position abackward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 114 mm width 55 mm depth 130 mm required spacing with side-by-side mounting - forwards - upwards - downwards - at the side for grounded parts - forwards - upwards - at the side for grounded parts - at the side - downwards - at the side - downwards 10 mm - downwards for live parts - forwards - upwards - forwards 10 mm - downwards 10 mm - downwards 10 mm - forwards - upwards - for main current circuit - forwards - at the side - formal current circuit - for auxiliary and control circuit - for auxiliary contacts Screw-type terminals - at contactor for auxiliary contacts Screw-type terminals	— with type of assignment 2 required	gG: 63 A (690 V,100 KA)
mounting position #/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 114 mm width 55 mm depth 130 mm required spacing • with side-by-side mounting — forwards 10 mm — upwards 10 mm • for grounded parts — for grounded parts — forwards 10 mm • for grounded parts — at the side 6 mm — upwards 10 mm • for live parts — forwards 10 mm • for live parts — forwards 10 mm • for live parts — downwards 10 mm • for live parts — downwards 10 mm • for main current circuit screw-type terminals • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals		0.40 4.4000 \ 4.40
fastening method screw and snap-on mounting surface fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 114 mm width 55 mm depth 130 mm required spacing • with side-by-side mounting — forwards 10 mm — downwards 10 mm — at the side 0 mm • for grounded parts — forwards 10 mm — at the side 6 mm — at the side 6 mm — odwnwards 10 mm — at the side 6 mm — at the side 6 mm — downwards 10 mm • for live parts — forwards 10 mm • for live parts — forwards 10 mm • for live parts — forwards 10 mm — at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • at contactor for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals		gG: 10 A (690 V, 1 kA)
height 114 mm width 55 mm depth 130 mm required spacing • with side-by-side mounting — forwards 10 mm — upwards 10 mm — at the side 0 mm • for grounded parts — forwards 10 mm • for grounded parts — at the side 6 mm — upwards 10 mm • for provards 10 mm — upwards 10 mm — at the side 6 mm — upwards 10 mm — at the side 6 mm — downwards 10 mm • for live parts — forwards 10 mm • for live parts — forwards 10 mm — at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts	Installation/ mounting/ dimensions	
width 55 mm depth 130 mm required spacing with side-by-side mounting - forwards 10 mm - upwards 10 mm - at the side 0 mm for grounded parts - forwards 10 mm - upwards 10 mm - at the side 6 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 10 mm - at the side 6 mm - downwards 10 mm for live parts - forwards 10 mm - to fully parts - forwards 10 mm - to maxing 10 mm - to maxing 10 mm - to maxing 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - the side 6 mm Connections/ Terminals type of electrical connection for main current circuit screw-type terminals for auxiliary and control circuit screw-type terminals at contactor for auxiliary contacts Screw-type terminals	Installation/ mounting/ dimensions	+/-180° rotation possible on vertical mounting surface; can be tilted forward and
depth 130 mm required spacing with side-by-side mounting forwards upwards downwards downwards at the side for grounded parts 10 mm - for grounded parts 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm • for live parts 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals type of electrical connection screw-type terminals • for main current circuit screw-type terminals • at contactor for auxiliary and control circuit screw-type terminals	Installation/ mounting/ dimensions mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • for grounded parts — upwards — at the side — downwards — the side — downwards — to for live parts — for live parts — forwards — upwards — upwards — to for live parts — forwards — upwards — to mm —	Installation/ mounting/ dimensions mounting position fastening method	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
with side-by-side mounting — forwards — upwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards — upwards — upwards — at the side — downwards — at the side — downwards — for live parts — for wards — upwards — upwards — upwards — to mm • for live parts — downwards — upwards — upwards — upwards — upwards — upwards — downwards — of orwards — upwards — downwards — of orwards — of orward	Installation/ mounting/ dimensions mounting position fastening method height	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm
forwards 10 mm upwards 10 mm downwards 10 mm at the side 0 mm for grounded parts forwards 10 mm upwards 10 mm upwards 10 mm at the side 6 mm downwards 10 mm downwards 10 mm downwards 10 mm for live parts forwards 10 mm upwards 10 mm downwards 10 mm at the side 6 mm Connections/ Terminals type of electrical connection for main current circuit screw-type terminals at contactor for auxiliary contacts Screw-type terminals at contactor for auxiliary contacts	Installation/ mounting/ dimensions mounting position fastening method height width	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm
- upwards 10 mm - downwards 0 mm - at the side 0 mm • for grounded parts - forwards 10 mm - upwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm • for live parts - forwards 10 mm • for live parts - forwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method height width depth	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm
- downwards - at the side • for grounded parts - forwards - upwards - at the side - at the side - downwards - at the side - downwards • for live parts - forwards - upwards - upwards - upwards - to mm • for live parts - forwards - upwards - upwards - downwards - at the side - downwards - at the side - downwards - at the side - formards - at the side - at the side - formards - for main current circuit - for auxiliary and control circuit - for auxiliary and control circuit - at contactor for auxiliary contacts - Screw-type terminals - at contactor for auxiliary contacts	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm
- downwards - at the side • for grounded parts - forwards - upwards - at the side • for main current circuit • for main current circuit • at contactor for auxiliary contacts 10 mm	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm 130 mm
- at the side 0 mm • for grounded parts - forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm • for live parts - forwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • at contactor for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm 130 mm
for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — upwards — forwards — upwards — upwards — upwards — downwards — downwards — at the side — of ormain current circuit • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts Screw-type terminals • Screw-type terminals • at contactor for auxiliary contacts Screw-type terminals • Screw-type terminals • Screw-type terminals • at contactor for auxiliary contacts Screw-type terminals • Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm 130 mm
forwards 10 mm upwards 6 mm at the side 6 mm downwards 10 mm • for live parts forwards 10 mm upwards 10 mm upwards 10 mm downwards 10 mm downwards 10 mm at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm 130 mm 10 mm 10 mm
- upwards - at the side - downwards • for live parts - forwards - upwards - upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts 10 mm 10	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm 130 mm 10 mm 10 mm
- at the side 6 mm - downwards 10 mm • for live parts - forwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm 130 mm 10 mm 10 mm 10 mm 0 mm
- downwards • for live parts - forwards - upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts 10 mm 10 mm 6 mm Connections/ Terminals type of electrical connection • for main current circuit • screw-type terminals • contactor for auxiliary contacts Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm 130 mm 10 mm 10 mm 10 mm 10 mm
for live parts — forwards — upwards — downwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • for electrical connection Screw-type terminals • contactor for auxiliary contacts • Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards — upwards	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm 130 mm 10 mm 10 mm 10 mm 10 mm
- forwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm 130 mm 10 mm
 upwards downwards at the side 6 mm Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts Screw-type terminals Screw-type terminals Screw-type terminals 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm 130 mm 10 mm
- downwards 10 mm - at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm 130 mm 10 mm
- at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm 130 mm 10 mm
type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm 130 mm 10 mm
type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm 130 mm 10 mm
 for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts Screw-type terminals Screw-type terminals 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • of or grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — downwards • for live parts — forwards — upwards — downwards — at the side	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm 130 mm 10 mm
 for auxiliary and control circuit at contactor for auxiliary contacts Screw-type terminals 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • for grounded parts — forwards — upwards — at the side — downwards • at the side — downwards • for live parts — forwards — upwards — at the side — downwards — at the side — downwards — at the side Connections/ Terminals	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm 130 mm 10 mm
• at contactor for auxiliary contacts Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side — downwards — upwards — at the side — downwards — upwards — torwards — upwards — at the side Connections/ Terminals type of electrical connection	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm 130 mm 10 mm
	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • for live parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — at the side — downwards — at the side Connections/ Terminals type of electrical connection • for main current circuit	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm 130 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
• of magnet coil Screw-type terminals	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • for live parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm 130 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • for live parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 114 mm 55 mm 130 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm

type of connectable conductor cross-sections for main contacts	
 solid or stranded 	2x (1 35 mm²), 1x (1 50 mm²)
finely stranded with core end processing	2x (1 25 mm²), 1x (1 35 mm²)
connectable conductor cross-section for main contacts	
 solid or stranded 	1 50 mm ²
finely stranded with core end processing	1 35 mm²
connectable conductor cross-section for auxiliary contacts	
 solid or stranded 	0.5 2.5 mm²
 finely stranded with core end processing 	0.5 2.5 mm²
type of connectable conductor cross-sections	
 for auxiliary contacts 	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 for AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14)
AWG number as coded connectable conductor cross section	
• for main contacts	18 1
• for auxiliary contacts	20 14
Safety related data	
product function	
 mirror contact according to IEC 60947-4-1 	Yes
 positively driven operation according to IEC 60947-5-1 	No
suitability for use safety-related switching OFF	Yes; applies only to contactor operating mechanism
proportion of dangerous failures	
 with low demand rate according to SN 31920 	40 %
 with high demand rate according to SN 31920 	73 %
IEC 61508	
T1 value	
 for proof test interval or service life according to IEC 61508 	20 a
Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Communication/ Protocol	
product function bus communication	No
Approvals Certificates	

General Product Approval







Confirmation



<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping

EHC



Type Examination Certificate Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping











Confirmation

Railway

Dangerous Good

Environment

other





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=3RT2336-1AP00-4AA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2336-1AP00-4AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2336-1AP00-4AA0

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

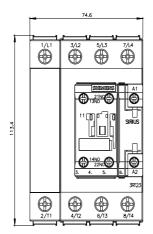
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2336-1AP00-4AA0&lang=en

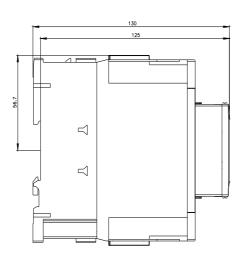
Characteristic: Tripping characteristics, I2t, Let-through current

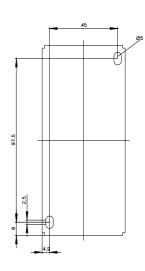
https://support.industry.siemens.com/cs/ww/en/ps/3RT2336-1AP00-4AA0/char

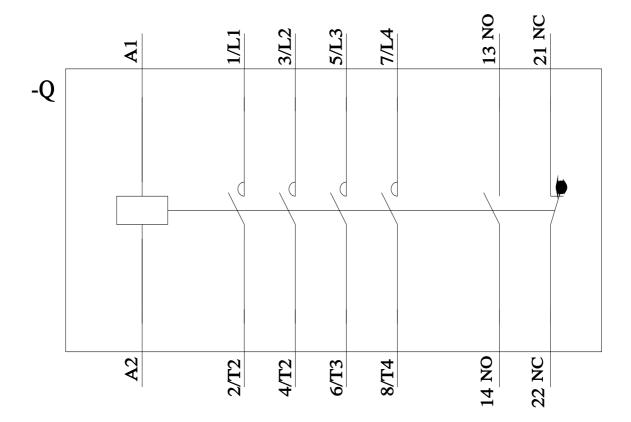
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2336-1AP00-4AA0&objecttype=14&gridview=view1









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