SIEMENS

Data sheet

3RT1065-6AF36



power contactor, AC-3e/AC-3 265 A, 132 kW / 400 V AC (50-60 Hz) / DC Uc: 110-127 V 3-pole, auxiliary contacts 2 NO + 2 NC drive: conventional main circuit: busbar control and auxiliary circuit: screw terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
General technical data	
size of contactor	S10
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 	54 W
 at AC in hot operating state per pole 	18 W
 without load current share typical 	7.4 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	1 000 V
 of auxiliary circuit with degree of pollution 3 rated value 	500 V
surge voltage resistance	
 of main circuit rated value 	8 kV
 of auxiliary circuit rated value 	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (operating cycles)	
 of contactor typical 	10 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
SVHC substance name	Lead - 7439-92-1
Weight	6.57 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m

ambient temperature	
during operation	-25 +60 °C
during operation ouring storage	-25 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30	95 %
maximum	30 /0
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
global warming potential [CO2 eq] total	548 kg
global warming potential [CO2 eq] during manufacturing	31.5 kg
global warming potential [CO2 eq] during sales	2.6 kg
global warming potential [CO2 eq] during operation	521 kg
global warming potential [CO2 eq] after end of life	-7.22 kg
Siemens Eco Profile (SEP)	Siemens EcoTech
Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
• at AC-3 rated value maximum	1 000 V
• at AC-3e rated value maximum	1 000 V
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-1 	330 A
— up to 690 V at ambient temperature 40 °C rated value	330 A
— up to 690 V at ambient temperature 60 °C rated value	300 A
— up to 1000 V at ambient temperature 40 $^\circ C$ rated value	150 A
— up to 1000 V at ambient temperature 60 °C rated value	150 A
• at AC-3	205 A
- at 400 V rated value	265 A
— at 500 V rated value — at 690 V rated value	265 A 265 A
— at 1000 V rated value	205 A 95 A
• at AC-3e	55 A
- at 400 V rated value	265 A
— at 500 V rated value	265 A
— at 690 V rated value	265 A
— at 1000 V rated value	95 A
at AC-4 at 400 V rated value	230 A
 at AC-5a up to 690 V rated value 	290 A
 at AC-50 up to 400 V rated value at AC-5b up to 400 V rated value 	219 A
• at AC-5a	
 up to 230 V for current peak value n=20 rated value 	265 A
— up to 400 V for current peak value n=20 rated value	265 A
— up to 500 V for current peak value n=20 rated value	265 A
— up to 690 V for current peak value n=20 rated value	265 A
— up to 500 V for current peak value n=20 rated value value value	95 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	184 A
— up to 400 V for current peak value n=30 rated value	184 A
— up to 500 V for current peak value n=30 rated value	184 A
— up to 690 V for current peak value n=30 rated value	184 A
— up to 1000 V for current peak value n=30 rated value	95 A
minimum cross-section in main circuit at maximum AC-1 rated value	185 mm²
operational current for approx. 200000 operating cycles at AC-4	
● at 400 V rated value	117 A

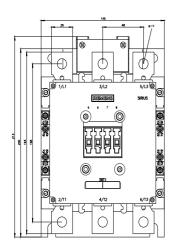
at 690 V rated value	105 A
operational current	
 at 1 current path at DC-1 	
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	33 A
— at 220 V rated value	3.8 A
— at 440 V rated value	0.9 A
— at 600 V rated value	0.6 A
 with 2 current paths in series at DC-1 	
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	300 A
— at 440 V rated value	4 A
— at 600 V rated value	2 A
 with 3 current paths in series at DC-1 	
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	300 A
— at 440 V rated value	11 A
— at 600 V rated value	5.2 A
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	300 A
— at 60 V rated value	11 A
— at 110 V rated value	3 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.18 A
— at 600 V rated value	0.125 A
• with 2 current paths in series at DC-3 at DC-5	
- at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	2.5 A
— at 440 V rated value	0.65 A
— at 600 V rated value	0.37 A
	0.57 A
 with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 	200 A
	300 A
- at 60 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	300 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	
• at AC-3	
— at 230 V rated value	75 kW
— at 400 V rated value	132 kW
— at 500 V rated value	160 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	132 kW
• at AC-3e	
— at 230 V rated value	75 kW
— at 400 V rated value	132 kW
— at 500 V rated value	160 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	132 kW
operating power for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	66 kW
• at 690 V rated value	102 kW

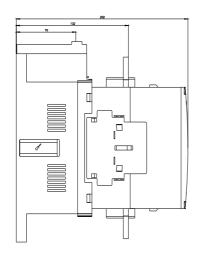
operating apparent power at AC-6a	
 up to 230 V for current peak value n=20 rated value 	100 kVA
 up to 400 V for current peak value n=20 rated value 	180 kVA
 up to 500 V for current peak value n=20 rated value 	220 kVA
 up to 690 V for current peak value n=20 rated value 	310 kVA
 up to 1000 V for current peak value n=20 rated value 	160 kVA
operating apparent power at AC-6a	
 up to 230 V for current peak value n=30 rated value 	70 kVA
 up to 400 V for current peak value n=30 rated value 	120 kVA
 up to 500 V for current peak value n=30 rated value 	150 kVA
 up to 690 V for current peak value n=30 rated value 	220 kVA
 up to 1000 V for current peak value n=30 rated value 	160 kVA
short-time withstand current in cold operating state up to 40 °C	
 limited to 1 s switching at zero current maximum 	4 880 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	4 045 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	2 785 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	1 664 A; Use minimum cross-section acc. to AC-1 rated value
Imited to 60 s switching at zero current maximum	1 276 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	2 000 1/h
• at DC	2 000 1/h
operating frequency	
• at AC-1 maximum	800 1/h
• at AC-2 maximum	250 1/h
• at AC-3 maximum	500 1/h
• at AC-3e maximum	500 1/h
 at AC-4 maximum 	130 1/h
Control circuit/ Control	
Control circuit/ Control type of voltage of the control supply voltage	AC/DC
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC	
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value	110 127 V
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value	110 127 V 110 127 V
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC rated value	110 127 V
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value	110 127 V 110 127 V
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of	110 127 V 110 127 V
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC	110 127 V 110 127 V 110 127 V
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC	110 127 V 110 127 V 110 127 V 0.8 1.1
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC	110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC	110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC	110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC	110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at minimum rated control supply voltage at AC	110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at 50 Hz • at 50 Hz	110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 490 VA
Control circuit/ Control • at 50 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz	110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at 50 Hz - at 60 Hz - at 60 Hz • at 50 Hz • at minimum rated control supply voltage at AC - at 60 Hz • at maximum rated control supply voltage at AC	110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 490 VA 490 VA
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value • at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at minimum rated control supply voltage at AC - at 50 Hz - at 60 Hz	110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 490 VA 490 VA 590 VA
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value • at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at minimum rated control supply voltage at AC - at 50 Hz • at 60 Hz • at 60 Hz - at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz • at 60 Hz	110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 490 VA 490 VA
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at maximum rated control supply voltage at AC - at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz • at maximum rated control supply voltage at AC - at 50 Hz - at 50 Hz - at 50 Hz	110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 490 VA 490 VA 590 VA 590 VA
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at minimum rated control supply voltage at AC - at 50 Hz - at 60 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at maximum rated control supply voltage at AC - at 60 Hz - at 60 Hz • at 60 Hz <t< td=""><td>110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 490 VA 490 VA 590 VA 590 VA 590 VA</td></t<>	110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 490 VA 490 VA 590 VA 590 VA 590 VA
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at minimum rated control supply voltage at AC - at 60 Hz • at 60 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at maximum rated control supply voltage at AC - at 60 Hz - at 60 Hz - at 50 Hz <t< td=""><td>110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 490 VA 490 VA 590 VA 590 VA</td></t<>	110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 490 VA 490 VA 590 VA 590 VA
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at maximum rated control supply voltage at AC - at 60 Hz • at 60 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at maximum rated control supply voltage at AC - at 60 Hz - at 60 Hz - at 60 Hz - at 50 Hz - at 50 Hz - at 50 Hz - at 60 Hz - at 50 Hz - at 50 Hz - at 60 Hz <t< td=""><td>110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 490 VA 490 VA 590 VA 590 VA 590 VA 590 VA</td></t<>	110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 490 VA 490 VA 590 VA 590 VA 590 VA 590 VA
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at 60 Hz • at 60 Hz at 60 Hz at 60 Hz at 60 Hz apparent pick-up power • at minimum rated control supply voltage at AC - at 60 Hz - at 50 Hz - at 50 Hz - at 50 Hz - at 60 Hz - at 50 Hz apparent pick-up power of magnet coil at AC - at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz	110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 490 VA 490 VA 490 VA 590 VA 590 VA 590 VA 590 VA 590 VA
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at 60 Hz • at 60 Hz - at 50 Hz - at 60 Hz - at 50 Hz apparent pick-up power of magnet coil at AC • at 60 Hz - at 50 Hz at 60 Hz • at 60 Hz	110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 490 VA 490 VA 590 VA 590 VA 590 VA 590 VA
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at 60 Hz - at 60 Hz - at 60 Hz - at 50 Hz - at 60 Hz - at 60 Hz - at 60 Hz - at 50 Hz - at 50 Hz - at 60 Hz - at 60 Hz - at 50 Hz - at 60 Hz - at 50 Hz - at 60 Hz - a	110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 490 VA 490 VA 590 VA 590 VA 590 VA 590 VA 590 VA 590 VA
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at 60 Hz - at 60 Hz - at 60 Hz - at 60 Hz apparent pick-up power of magnet coil at AC - at 60 Hz - at 60 Hz - at 60 Hz - at 60 Hz - at 50 Hz - at 60 Hz	110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 490 VA 490 VA 490 VA 590 VA
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at minimum rated control supply voltage at AC - at 50 Hz - at 60 Hz - at 50 Hz • at maximum rated control supply voltage at AC - at 50 Hz • at 60 Hz Hz	110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 490 VA 490 VA 590 VA 590 VA 590 VA 590 VA 590 VA
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at 60 Hz - at 50 Hz - at 60 Hz - at 60 Hz - at 60 Hz - at 50 Hz - at 60 Hz - at 50 Hz - at 60 Hz - a	110 127 V 110 127 V 110 127 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 490 VA 490 VA 490 VA 590 VA

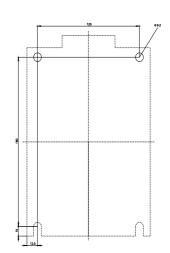
— at 60 Hz	5.6 VA
 at maximum rated control supply voltage at AC 	
— at 50 Hz	6.7 VA
— at 60 Hz	6.7 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.9
• at 60 Hz	0.9
closing power of magnet coil at DC	650 W
holding power of magnet coil at DC	7.4 W
closing delay	
• at AC	30 95 ms
• at DC	30 95 ms
opening delay	
• at AC	40 80 ms
• at DC	40 80 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous	2
contact	
number of NO contacts for auxiliary contacts instantaneous contact	2
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	6 A
 at 400 V rated value 	3 A
at 500 V rated value	2 A
at 690 V rated value	1A
operational current at DC-12	
at 24 V rated value	10 A
at 48 V rated value	6 A
at 60 V rated value	6 A
at 110 V rated value	3 A
	2 A
at 125 V rated value	
at 220 V rated value	1A
at 600 V rated value	0.15 A
operational current at DC-13	
• at 24 V rated value	10 A
• at 48 V rated value	2 A
 at 60 V rated value 	2 A
• at 110 V rated value	1 A
• at 125 V rated value	0.9 A
 at 220 V rated value 	0.3 A
• at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	240 A
• at 600 V rated value	242 A
yielded mechanical performance [hp]	
for 3-phase AC motor	
— at 200/208 V rated value	75 hp
— at 220/230 V rated value	100 hp
— at 460/480 V rated value	200 hp
— at 575/600 V rated value	250 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V	C characteristic: 10 A; 0.4 kA
design of the fuse link	

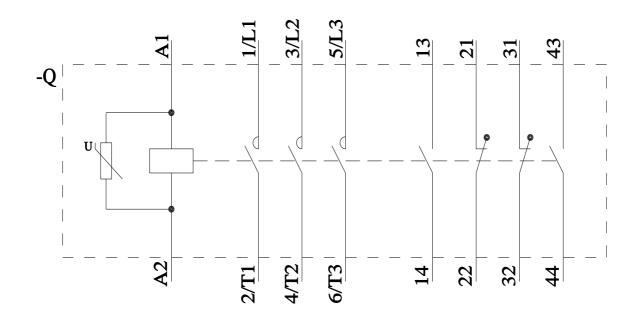
- with type of coordination 1 required	gG: 500 A (690 V, 100 kA)
— with type of assignment 2 required	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50
with type of doorginnent 2 required	kA)
• for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface
for the size of a state of a state of a state of a state of the state	+/- 22.5° tiltable to the front and back
fastening method side-by-side mounting	Yes
fastening method	screw fixing
height	210 mm
width	145 mm 202 mm
depth required spacing	202 11111
with side-by-side mounting	
- forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
for grounded parts	0 mm
forwards	20 mm
	20 mm 10 mm
— upwards — at the side	10 mm
— at the side — downwards	10 mm
 for live parts forwards 	20 mm
	20 mm
— upwards — downwards	10 mm
— at the side	10 mm
Connections/ Terminals	TO THIN
type of electrical connection • for main current circuit	Connection bar
for auxiliary and control circuit	screw-type terminals
at contactor for auxiliary contacts	Screw-type terminals
of magnet coil width of connection bar	Screw-type terminals 25 mm
thickness of connection bar	
diameter of holes	6 mm 11 mm
number of holes	1
type of connectable conductor cross-sections	
for AWG cables for main contacts	2/0 500 kcmil
connectable conductor cross-section for main contacts	2/0 500 Kemin
stranded	70 240 mm²
connectable conductor cross-section for auxiliary contacts	70 240 mm
solid or stranded	0.5 4 mm²
 finely stranded with core end processing 	0.5 2.5 mm ²
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2,5 mm²), max. 2x (0.75 4 mm²) 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)
— finely stranded with core end processing	2x (0,5 1,5 mm ²), 2x (0,75 2,5 mm ²)
for AWG cables for auxiliary contacts	2x (20 16), 2x (18 14), 1x 12
AWG number as coded connectable conductor cross	
section	
 for auxiliary contacts 	18 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
 suitable for safety function 	Yes
suitability for use safety-related switching OFF	Yes
	100

ox terminal/cover
EHC
Marine / Shipping
ABS
<u>Confirmation</u>
Environmental Con firmations
.)









last modified:

4/17/2025 🖸

4/28/2025