SIEMENS

Data sheet

3RT1065-6AB36-3PA0



power contactor, AC-3e/AC-3 265 A, 132 kW / 400 V AC (50-60 Hz) / DC Uc: 23-26 V 3-pole, auxiliary contacts 2 NO + 2 NC permanently mounted drive: conventional main circuit: busbar control and auxiliary circuit: screw terminal

product brand name	SIRIUS
product brand name product designation	Power contactor
product type designation	3RT1
General technical data	
	<u></u>
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
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	Blei - 7439-92-1
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	95 %

maximum	
lain circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	5
at AC-3 rated value maximum	1 000 V
at AC-3 rated value maximum at AC-3e rated value maximum	1 000 V
	1000 V
 operational current at AC-1 at 400 V at ambient temperature 40 °C rated value 	330 A
• at AC-1	
— 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 °C rated value	150 A
 — up to 1000 V at ambient temperature 60 °C rated value 	150 A
at AC-3 — at 400 V rated value	265 4
	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-3e	005 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-5b up to 400 V rated value	219 A
• at AC-6a	205 A
— 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 265 A
— up to 690 V for current peak value n=20 rated value	
 — up to 1000 V for current peak value n=20 rated value at AC-6a 	95 A
— 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 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 	184 A
 up to 500 V for current peak value n=30 rated value 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	95 A 185 mm ²
value 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
 with 3 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	300 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	
at AC-2 at 400 V rated value	132 kW
• 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	152 NW
- at 230 V rated value	75 kW
— at 200 V rated value	132 kW
— at 500 V rated value — at 690 V rated value	160 kW 250 kW
— at 1000 V rated value	132 kW
operating power for approx. 200000 operating cycles at AC-	IJZ NVV
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	100 000 kVA
• up to 400 V for current peak value n=20 rated value	180 000 VA
• up to 500 V for current peak value n=20 rated value	220 000 VA
• up to 690 V for current peak value n=20 rated value	310 000 VA
• up to 1000 V for current peak value n=20 rated value	160 000 VA
operating apparent power at AC-6a	
 up to 230 V for current peak value n=30 rated value 	70 000 VA
 up to 200 V for current peak value n = 30 rated value 	120 000 VA
 up to 500 V for current peak value n=30 rated value 	150 000 VA
 up to 600 V for current peak value n=30 rated value 	220 000 VA

 up to 1000 V for current peak value n=30 rated value 	160 000 VA
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
 limited 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-1 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	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
• at 50 Hz rated value	23 26 V
• at 60 Hz rated value	23 26 V
control supply voltage at DC	
rated value	23 26 V
operating range factor control supply voltage rated value of	
magnet coil at DC	
initial value	0.8
• full-scale value	1.1
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1
design of the surge suppressor	with varistor
apparent pick-up power	
at minimum rated control supply voltage at AC	
- at 50 Hz	400.1/4
	490 VA
— at 60 Hz	490 VA
 at maximum rated control supply voltage at AC 	
— at 60 Hz	590 VA
— at 50 Hz	590 VA
apparent pick-up power of magnet coil at AC	
• at 50 Hz	590 VA
• at 60 Hz	590 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.9
• at 60 Hz	0.9
apparent holding power	
at minimum rated control supply voltage at DC	6.1 VA
at maximum rated control supply voltage at DC at maximum rated control supply voltage at DC	7.4 VA
apparent holding power	
at minimum rated control supply voltage at AC	
	5.6.1/4
— at 50 Hz	5.6 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
apparent holding power of magnet coil 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

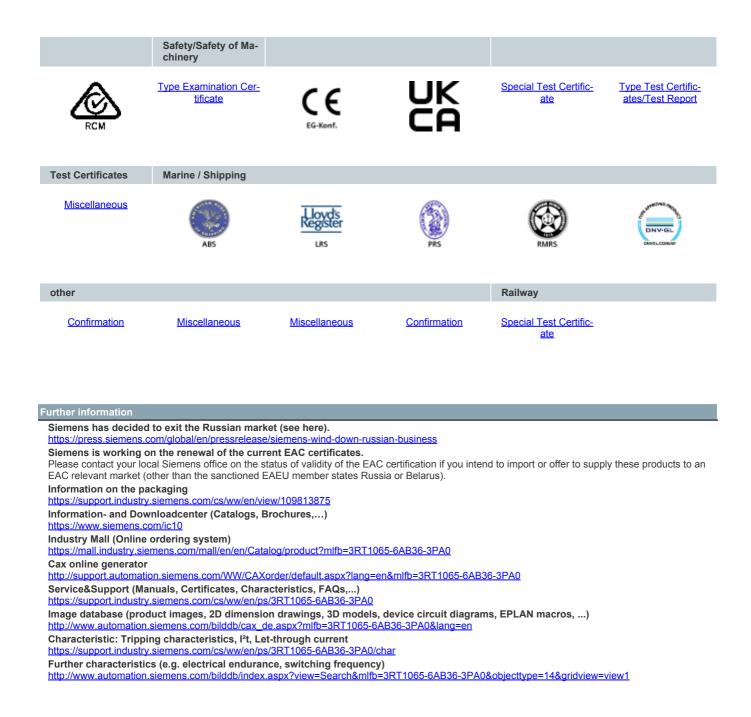
number of NC contacts for auxiliary contacts instantaneous contact 2 contact 2 contact 0 contact 10 A operational current at AC-12 maximum 10 A operational current at AC-15 6 • at 230 V rated value 3 A • at 250 V rated value 10 A operational current at AC-12 maximum 10 A operational current at AC-15 6 • at 200 V rated value 2 A • at 200 V rated value 10 A • at 400 V rated value 6 A • at 20 V rated value 6 A • at 10 V rated value 0 A • at 20 V rated value 0 A • at 10 V rated value 0 A •		
close opena golay • at DC00.98 ms• at DC0098 ms• at DC0008 ms• at DC00	closing power of magnet coil at DC	650 W
• a ACSo So msopening dolay0 So ms• a IAC40 So ms• a IAC50 So ms	holding power of magnet coil at DC	7.4 W
• al DC9095 msopening delay095 ms• al DC095 ms• al DC095 mscontrol version of the solute operating mechanics80mdat A1 - A2Advitary deray2number of NC contack for auxiliary contacts instantaneous2control version of the solute operating mechanics2control version of the solution contacts instantaneous2contact0.0operational current at AC-12 maximum0.0operational current at AC-12 maximum0.0• al 400 Vicked value3.A• al 400 Vicked value3.A• al 400 Vicked value0.A• al 400 Vicked value0	closing delay	
opening delay - • st AC 40.00 ms • st AC 4080 ms • st DC 4080 ms arcing time 1016 ms Control version of the switch operating mechanism Standard A1.A2 Absiliary directit - Control version of the switch operating mechanism 2 operational current at AC-12 maximum 10.A operational current at AC-15 - • # 200 V rated value 2.A • # 200 V rated value 10.A • # 200 V rated value 0.A • #	• at AC	30 95 ms
• A AC 4080 ms • • A DC 4080 ms acting time 1015 ms Control version of the switch operating mechanism Standard A1 - A2 Availary arcunt 2 number of NC contracts for availary contracts instantaneous contract. 2 control version of AC contracts for availary contracts instantaneous contract. 2 operational current at AC-12 maximum 10 A • # 120 V raide value 6 A • # 400 V raide value 2 A • # 400 V raide value 0 A • # 400 V raide value 0 A • # 400 V raide value 0 A	• at DC	30 95 ms
• a DC4080 msarcing time1015 mscontrol version of the switch operating mechanism3015 msarcing time2control version of the switch operating mechanismous2control version of the switch operating scontack instantaneous2control version of the switch operating scontack instantaneous2control version operational current at AC-12 maximum10 Aoperational current at AC-12 maximum0 Aoperational current at AC-12 maximum2i a 200 Vraide value3.Aa 10 A3.Ai a 200 Vraide value3.Aa 10 A3.Ai a 200 Vraide value3.Aa 10 A3.Aa 11 O Vraide value3.Aa 10 A3.Aa 11 O Vraide value3.Aa 10 A Vraide value3.Aa 10 A Vraide value3.Aa 11 O Vraide value3.Aa 11 O Vraide value3.Aa 12 O Vraide valu	opening delay	
arcing time 015 ms control variation of the switch operating mechanism Standard A1 - A2 Number of NC contects for availiary contacts instantaneous context 2 number of NC contects for availiary contacts instantaneous context 2 operational current at AC-12 maximum 10 A operational current at AC-15 - •: 200 Vrated value A •: 400 Vrated value A •: 410 Vrated value A •: 410 Vrated value A •: 410 Vrated value D	• at AC	40 80 ms
control Standard A1 - A2 Apriling vicual Image of NC contacts for auxiliary contacts instantaneous contact. 2 contact 10 A 2 contact of NC contacts for auxiliary contacts instantaneous contacts for auxiliary contacts instantaneous contacts for auxiliary contacts instantaneous contact of NC contacts for auxiliary contacts instantaneous contacts for auxiliary contacts for auxiliar	• at DC	40 80 ms
Ausiliary circuit 2 number of NC contacts for auxiliary contacts instantaneous 2 operational current at AC-12 0 A operational current at AC-15 6 • 4.230 V rated value 6 A • 4.600 V rated value 10 A operational current at AC-15 6 • 4.600 V rated value 10 A operational current at AC-17 6 • 4.600 V rated value 10 A operational current at AC-17 6 • 4.600 V rated value 10 A • 4.600 V rated value 6 A • 6.60 V rated value 6 A • 6.60 V rated value 10 A • 1.15 V rated value 10 A • 1.15 V rated value 10 A • 1.15 V rated value 10 A • 1.16 V rated value 10 A • 1.16 V rated value 10 A • 1.16 V rated value 10 A • 1.25 V rated value 0.1 A • 1.26 V rated value 0.1 A • 1.60 V rated value 2 A • 1.60 V rated value 2 A	arcing time	10 15 ms
number of NC contacts for auxiliary contacts instantaneous contact 2 persitional current at AC-12 maximum 10 A operational current at AC-15 - • • • • • • • • • • • • • • • • • • •	control version of the switch operating mechanism	Standard A1 - A2
contact	Auxiliary circuit	
contactImage: contact is a conta		2
operational current at AC-15• if 400 V rated value6 A• if 400 V rated value3 A• if 600 V rated value2 A• if 600 V rated value1 Aoperational current at DC-12• if 24 V rated value0 A• if 48 V rated value6 A• if 48 V rated value0 A• if 15 V rated value0 A• if 16 V rated value2 A• if 16 V rated value <td< td=""><td></td><td>2</td></td<>		2
• af 230 Y rated value6 A• af 400 Y rated value3 A• af 600 Y rated value3 A• at 600 Y rated value1 A• at 600 Y rated value10 A• at 24 Y rated value6 A• at 24 Y rated value6 A• at 60 Y rated value6 A• at 60 Y rated value7 A• at 60 Y rated value7 A• at 60 Y rated value7 A• at 720 Y rated value1 A• at 720 Y rated value1 A• at 720 Y rated value1 A• at 720 Y rated value2 A• at 720 Y rated value2 A• at 720 Y rated value0 A• at 720 Y rated value2 A• at 720 Y rated value2 A• at 720 Y rated value0 A• at 720 Y rated value2 A• at 720 Y rated value240 A• at 720 Y rated value240 A• at 600 Y rated value240 A• at 720 Y rated value200 hp• at 720 Y rated value250 hp• at 600 Y rated value200 hp• at 600 Y rated value2		10 A
• al 400 V rated value3 A• at 800 V rated value2 A• at 800 V rated value1 A• operational current at DC-12•• al 24 V rated value6 A• al 44 V rated value6 A• al 44 V rated value6 A• al 40 V rated value7 A• al 125 V rated value7 A• al 125 V rated value1 A• al 125 V rated value0.15 A• al 200 V rated value2 A• al 200 V rated value2 A• al 40 V rated value10 A• al 40 V rated value2 A• al 40 V rated value0.15 A• al 40 V rated value2 A• al 40 V rated value0.9 A• al 41 V rated value0.9 A• al 125 V rated value0.9 A• al 120 V rated value0.3 A• al 120 V rated value0.3 A• al 120 V rated value0.3 A• al 120 V rated value0.1 A• al 400 V rated value240 A• al 400 V rated value250 hp• al 400 V rated value250 hp	operational current at AC-15	
• at 600 V rated value2 A• at 600 V rated value1A• at 24 V rated value10 A• at 24 V rated value6 A• at 40 V rated value6 A• at 40 V rated value3 A• at 100 V rated value3 A• at 110 V rated value1A• at 25 V rated value1A• at 25 V rated value1A• at 25 V rated value1A• at 250 V rated value1A• at 250 V rated value0.1A• at 260 V rated value0.1A• at 240 V rated value0.3 A• at 250 V rated value0.3 A• at 260 V rated value0.3 A• at 260 V rated value0.3 A• at 260 V rated value242 A• at 800 V rated value242 A• at 800 V rated value242 A• at 480 V rated value240 A• at 20020 V rated value242 A• at 20020 V rated value200 hp• at 20020 V rated value200 h	• at 230 V rated value	6 A
• al 690 V rated value1 Aoperational current at DC-12IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		
operational current at DC-12 at 24 V rated value 10 A at 48 V rated value 0 A at 48 V rated value 0 A at 60 V rated value 0 A at 60 V rated value 0 A at 60 V rated value 0 A at 720 V rated value 0 A at 220 V rated value 0 A at 220 V rated value 0 A at 220 V rated value 0 A at 600 V rated value 0 A at 600 V rated value 0 A at 40 V rated value	• at 500 V rated value	
• at 24 V rated value10 Å• at 48 V rated value6 Å• at 48 V rated value6 Å• at 110 V rated value3 Å• at 125 V rated value2 Å• at 250 V rated value0.15 Å• at 600 V rated value0.15 Å• at 600 V rated value10 Å• at 80 V rated value0.4 Å• at 80 V rated value0.9 Å• at 125 V rated value0.9 Å• at 125 V rated value0.3 Å• at 125 V rated value0.3 Å• at 125 V rated value0.14 Å• at 125 V rated value0.14 Å• at 125 V rated value0.14 Å• at 120 V rated value0.14 Å• at 200 V rated value240 Å• at 600 V rated value240 Å• at 600 V rated value240 Å• at 600 V rated value240 Å• at 200 208 V rated value250 h• at 200 208 V rated value100 h• at 200/208 V rated value250 h• at 200/208 V rated value250 h• at 200/208 V rated value250 h• at 200/208 V rated value360 V (680 V, 100 kÅ), 8588: 400 Å (415 V, 50 kÅ)• for short-circuit protection of the main circuit96: 500 Å (680 V, 100 kÅ), 8588: 400 Å (415 V, 50 kÅ)• for short-circuit protection of the main circuit96: 500 Å (680 V, 100 kÅ), 8588: 400 Å (415 V, 50 kÅ)• with type of assignment 2 required96: 100 Å (680 V, 100 kÅ), 8588: 400 Å (415 V, 50	• at 690 V rated value	1 A
• at 48 V rated value6 A• at 60 V rated value6 A• at 120 V rated value3 A• at 125 V rated value2 A• at 220 V rated value0.15 A• operational current at DC-13-• at 24 V rated value10 A• at 48 V rated value2 A• at 100 V rated value0.3 A• at 25 V rated value0.9 A• at 250 V rated value0.3 A• at 600 V rated value24 A• at 600 V rated value24 A• at 600 V rated value240 A• at 600 V rated value242 A• at 600 V rated value240 A• at 600 V rated value200 h- at 200208 V rated value200 h• at 575600 V rated value260 V G600Short-circuit protection of the main circuit• for short-circuit protection of the main circuit• with type of coordination 1 required9G: 500 A (690 V, 100 kA), ad• for short-circuit protection of the main circuit• with type of assignment 2 required9G: 100 A (690 V, 100 kA), ad<	operational current at DC-12	
• at 60 V rated value6 A• at 110 V rated value3 A• at 120 V rated value1 A• at 220 V rated value1 A• at 200 V rated value0.15 A• at 24 V rated value10 A• at 24 V rated value2 A• at 24 V rated value2 A• at 24 V rated value2 A• at 24 V rated value0.9 A• at 250 V rated value0.9 A• at 250 V rated value0.3 A• at 200 V rated value0.1 A• at 400 V rated value240 A• at 400 V rated value240 A• at 400 V rated value240 A• at 400 V rated value200 h• at 200208 V rated value200 h• at 200208 V rated value200 h• at 200208 V rated value200 h- at 576000 V rated value200 h- at 676000 V rated value200 h- at 67600 V rated value36: 500 A (690 V, 100 kA)- at 67600 V rated value36: 500 A (690 V, 100 kA)- at 67600 V rated value36: 500 A (690 V, 100 kA)- at 67600 V rated value36: 500 A (690 V, 100 kA)- at 67600 V rated value36: 100 A (500 V, 100 kA)- at 67600 V rated value36: 100 A (500 V, 100 kA)- at	• at 24 V rated value	10 A
• at 110 V rated value3 A• at 125 V rated value2 A• at 220 V rated value0.15 A• at 260 V rated value0.15 A• at 24 V rated value10 A• at 24 V rated value2 A• at 24 V rated value2 A• at 60 V rated value2 A• at 60 V rated value0.9 A• at 220 V rated value0.9 A• at 220 V rated value0.1 A• at 60 V rated value240 A• at 60 V rated value242 A• at 60 V rated value240 A• at 80 V rated value250 h• at 80 V rat	• at 48 V rated value	6 A
• at 125 V rated value2 Å• at 220 V rated value1A• at 200 V rated value015 A• operational current at DC-13•• at 24 V rated value10 Å• at 24 V rated value2 Å• at 34 V rated value2 Å• at 48 V rated value2 Å• at 60 V rated value0.9 Å• at 110 V rated value0.9 Å• at 25 V rated value0.9 Å• at 250 V rated value0.1 Å• at 220 V rated value0.1 Å• at 220 V rated value0.1 Å• at 200 V rated value0.1 Å• at 200 V rated value0.2 Å• at 480 V rated value0.1 Å• at 480 V rated value240 Å• at 480 V rated value242 Å• at 480 V rated value240 Å• at 480 V rated value250 hp• at 480 V rated value200 hp- at 220/230 V rated value200 hp- at 220/230 V rated value250 hp• for shyfield of these link9G: 500 Å (690 V, 100 kÅ)• for shyfield fuse link9G: 500 Å (690 V, 100 kÅ)• for shyfield fuse link9G: 500 Å (690 V, 100 kÅ)• for shyfield fuse link9G: 400 Å (690 V, 100 kÅ), aM: 315 Å (690 V, 50 kÅ), BS88: 400 Å (415 V, 50 kÅ), BS88: 400 Å (415 V, 50 kÅ), BS88: 400 Å (415 V, 50 kÅ), SS88:	• at 60 V rated value	6 A
• at 220 V rated value1 A• at 600 V rated value0.15 Aoperational current at DC-13-• at 24 V rated value10 A• at 48 V rated value2 A• at 60 V rated value2 A• at 60 V rated value0.9 A• at 10 V rated value0.9 A• at 200 V rated value0.1 A• at 60 V rated value0.1 A• at 60 V rated value0.1 A• at 60 V rated value0.1 A• at 600 V rated value0.1 A• at 600 V rated value240 A• at 600 V rated value250 hp- at 200/208 V rated value250 hp- at 200/208 V rated value250 hp• ortis of fuel value250 hpcontact rating of auxiliary contacts according to ULA600 / 0600Short-circuit protection of the main circuit- with type of coordination 1 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 required26: 100 A (690 V, 100 kA)• of or short-circuit protection of the auxiliary switch required36: 100 A (690	• at 110 V rated value	3 A
• at 600 V rated value0.15 Åoperational current at DC-13-• at 24 V rated value0 Å• at 45 V rated value2 Å• at 60 V rated value2 Å• at 60 V rated value0.9 Å• at 125 V rated value0.3 Å• at 220 V rated value0.1 Å• at 600 V rated value0.1 Å• at 600 V rated value0.4 Å• at 600 V rated value240 Å• at 600 V rated value242 Å• at 600 V rated value242 Å• at 600 V rated value242 Å• at 600 V rated value250 hp• at 600 V rated value250 hp• at 600 V rated value250 hp• at 20/230 V rated value250 hp• at 20/230 V rated value250 hp• at 20/230 V rated value250 hp• at 60/400 V rated value250 hp• at 575/600 V rated value260 V 600• bort-circuit protection of the main circuit • with type of cordination 1 required • with type of cordination 1 required • GG: 500 A (690 V, 100 kÅ) 	• at 125 V rated value	2 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 101 V rated value 1 A • at 100 V rated value 0.9 A • at 220 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 240 A • at 600 V rated value 240 A • at 200228 V rated value 240 A • at 600 V rated value 240 A • at 600 V rated value 240 A • at 200228 V rated value 240 A • at 200228 V rated value 240 A • at 600 V rated value 250 hp - at 200228 V rated value 260 hp - at 460 V rated value 260 hp • brd-riccut protection of the main circuit G: 500 A (690 V, 100 kA) • fo	• at 220 V rated value	1 A
• at 24 V rated value10 A• at 48 V rated value2 A• at 60 V rated value2 A• at 160 V rated value1 A• at 175 V rated value0.9 A• at 220 V rated value0.3 A• at 80 V rated value0.1 A• at 800 V rated value2.40 A• at 800 V rated value2.40 A• at 800 V rated value2.40 A• at 800 V rated value2.42 A• at 800 V rated value2.40 A• at 800 V rated value2.00 hp- at 200/208 V rated value2.00 hp- at 4.60/480 V rated value2.00 hp- at 4.60/480 V rated value2.50 hpContact rating of auxiliary contacts according to ULA.600 / G00Short-circuit protection of the main circuit5.60 hp- with type of coordination 1 required36: 500 A (690 V, 100 kA)• for short-circuit protection of the auxiliary switch required36: 100 A (690 V, 100 kA), 30: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)• for short-circuit protection of the auxiliary switch required36: 100 A (690 V, 100 kA), 30: 315 A (690 V, 50 k	• at 600 V rated value	0.15 A
• at 48 V rated value2 A• at 60 V rated value2 A• at 110 V rated value1 A• at 125 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsUL/CSA ratingsOutputA colspan="2">Colsp	operational current at DC-13	
• at 60 V rated value2 A• at 110 V rated value1 A• at 125 V rated value0.9 A• at 220 V rated value0.1 A• at 600 V rated value240 A• at 600 V rated value240 A• at 600 V rated value242 A• at 600 V rated value200 hp- at 200/208 V rated value200 hp- at 200/208 V rated value200 hp- at 460/480 V rated value200 hp- at 575/600 V rated value250 hp• at 675 / or 0 rated value260 / Q600Short-circuit protection of the main circuitG: 500 A (690 V, 100 kA)• for short-circuit protection of the main circuitG: 500 A (690 V, 100 kA)• with type of coordination 1 requiredgG: 500 A (690 V, 100 kA)• with type of coordination 1 requiredgG: 10 A (500 V, 100 kA)• with type of assignment 2 requiredgG: 10 A (500 V, 100 kA)• with type of assignment 2 requiredgG: 10 A (500 V, 1 kA)Installation/ mounting dimensionswith vertical mounting surface +/-90° rotatable, with vertical mounting surface*/ 22.5° tiltable to the front and back*/ 22.5° tiltable to the front and back• side-by-side mountingYes	• at 24 V rated value	10 A
• at 110 V rated value1 A• at 125 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UUCSA ratingsUUCSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value240 A• at 600 V rated value242 Avilded mechanical performance [hp]424 A• for 3-phase AC motor at 200/208 V rated value75 hp- at 200/208 V rated value200 hp- at 460/480 V rated value200 hp- at 460/480 V rated value200 hp- at 575/600 V rated value250 hpContact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protection of the main circuit- with type of coordination 1 requiredgG: 500 A (690 V, 100 kA)- with type of assignment 2 requiredgG: 100 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)- with type of assignment 2 requiredgG: 10 A (500 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)- with type of assignment 2 requiredgG: 10 A (500 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)- statlation/ mounting dimensionswith vertical mounting surface +/-90° rotatable, with vertical mounting surfacefastening methodscrew fixing• side-by-side mountingWith vertical mounting surface +/-90° rotatable, with vertical mounting surface+	• at 48 V rated value	2 A
• at 125 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value240 A• at 480 V rated value242 A• at 600 V rated value242 A• jeided mechanical performance [hp]• for 3-phase AC motor- at 220/230 V rated value75 hp- at 220/230 V rated value100 hp- at 220/230 V rated value200 hp- at 460/480 V rated value200 hp- at 575/600 V rated value250 hpcontact rating of auxiliary contacts according to ULA600 / C600A600 / C600Short-circuit protection of the main circuit- with type of coordination 1 requiredgG: 500 A (690 V, 100 kA)- with type of assignment 2 requiredgG: 10 A (500 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)• for short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)• of short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)• of short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 10 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)• of short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 10 kA)• of short-circuit protection of the auxiliar	• at 60 V rated value	2 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	• at 110 V rated value	1 A
• at 600 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor240 A• at 480 V rated value240 A• at 600 V rated value242 Ayielded mechanical performance [hp]75 hp• for 3-phase AC motor75 hp- at 200/208 V rated value100 hp- at 200/208 V rated value250 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protection of the main circuit9G: 500 A (690 V, 100 kA)- with type of coordination 1 required9G: 500 A (690 V, 100 kA)- with type of assignment 2 required9G: 500 A (690 V, 100 kA)• for short-circuit protection of the auxiliary switch required9G: 100 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)• for short-circuit protection of the auxiliary switch required9G: 100 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)• for short-circuit protection of the auxiliary switch required9G: 100 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)• for short-circuit protection of the auxiliary switch required9G: 100 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)• for short-circuit protection of the auxiliary switch required9G: 100 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)• for short-circuit protection of the auxiliary switch required9G: 100 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)• for short-circuit protecti	• at 125 V rated value	0.9 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 200/208 V rated value 200 hp at 375/600 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 fuse link for short-circuit protection of the main circuit with type of coordination 1 required gG: 500 A (690 V, 100 kA) add (415 V, 50 kA) add (415 V, 50 kA) a for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) add (415 V, 50 kA)	• at 220 V rated value	0.3 A
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 220/230 V rated value 200 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 4600 / Q600 Short-circuit protection of the main circuit - - with type of assignment 2 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 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) Instal		0.1 A
full-load current (FLA) for 3-phase AC motor 240 A • at 480 V rated value 242 A yielded mechanical performance [hp] 242 A • for 3-phase AC motor	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
• at 480 V rated value240 A• at 600 V rated value242 Ayielded mechanical performance [hp]242 A• for 3-phase AC motor75 hp- at 200/208 V rated value75 hp- at 200/208 V rated value100 hp- at 460/480 V rated value200 hp- at 460/480 V rated value250 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protection250 hpdesign of the fuse link9G: 500 A (690 V, 100 kA)- with type of coordination 1 requiredgG: 500 A (690 V, 100 kA)- with type of assignment 2 requiredgG: 10 A (500 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)Installation/ mounting/ dimensionswith vertical mounting surface +/-90° rotatable, with vertical mounting surfacefastening methodscrew fixing• side-by-side mountingYes	UL/CSA ratings	
• at 600 V rated value242 Ayielded mechanical performance [hp]-• for 3-phase AC motor at 200/208 V rated value75 hp- at 220/230 V rated value100 hp- at 220/230 V rated value200 hp- at 460/480 V rated value200 hp- at 460/480 V rated value250 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protection	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp]vielded mechanical performance [hp]• for 3-phase AC motor75 hp- at 200/208 V rated value75 hp- at 220/230 V rated value100 hp- at 460/480 V rated value200 hp- at 4575/600 V rated value250 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protection4600 / Q600contact rating of uxiliary contacts according to ULA600 / Q600Short-circuit protection4600 / Q600contact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protection4600 / Q600contact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protection4600 / Q600contact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protection of the main circuit9G: 500 A (690 V, 100 kA)- with type of coordination 1 required9G: 500 A (690 V, 100 kA)- with type of assignment 2 requiredgG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)• for short-circuit protection of the auxiliary switch required9G: 10 A (500 V, 1 kA)Installation/ mounting/ dimensionswith vertical mounting surface +/-90° rotatable, with vertical mounting surfacefastening methodscrew fixing• side-by-side mountingYes	• at 480 V rated value	240 A
 for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 420/230 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rate value at 570 A (690 V, 100 kA) at 690 V, 50	• at 600 V rated value	242 A
- at 200/208 V rated value75 hp- at 220/230 V rated value100 hp- at 460/480 V rated value200 hp- at 575/600 V rated value250 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectiondesign of the fuse link- with type of coordination 1 requiredgG: 500 A (690 V, 100 kA)- with type of coordination 1 requiredgG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)- with type of assignment 2 requiredgG: 10 A (500 V, 1 kA)- for short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 1 kA)Installation/ mounting/ dimensionswith vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and backfastening methodscrew fixing• side-by-side mountingYes	yielded mechanical performance [hp]	
	 for 3-phase AC motor 	
at 460/480 V rated value200 hp at 575/600 V rated value250 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectiondesign of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required • with type of assignment 2 requiredgG: 500 A (690 V, 100 kA) gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) kA)• for short-circuit protection of the auxiliary switch required sign entor the auxiliary switch requiredgG: 10 A (500 V, 1 kA)Installation/ mounting/ dimensionswith vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and backfastening method • side by-side mountingscrew fixing Yes	— at 200/208 V rated value	75 hp
at 575/600 V rated value250 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protection	— at 220/230 V rated value	100 hp
contact rating of auxiliary contacts according to UL A600 / Q600 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 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 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface fastening method screw fixing • side-by-side mounting Yes	— at 460/480 V rated value	200 hp
Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — 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 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 +/- 22.5° tiltable to the front and back fastening method screw fixing • side-by-side mounting Yes	— at 575/600 V rated value	250 hp
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 for short-circuit protection of the auxiliary switch required gG: 400 A (690 V, 100 kA) add (500 V, 50 kA), BS88: 400 A (415 V, 50 kA) Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method side-by-side mounting Yes 	contact rating of auxiliary contacts according to UL	A600 / Q600
for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required —	Short-circuit protection	
with type of coordination 1 requiredgG: 500 A (690 V, 100 kA) with type of assignment 2 requiredgG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)• for short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 1 kA)Installation/ mounting/ dimensionswith vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and backfastening methodscrew fixing• side-by-side mountingYes	design of the fuse link	
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 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method screw fixing • side-by-side mounting Yes	 for short-circuit protection of the main circuit 	
• for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back fastening method screw fixing • side-by-side mounting Yes	 — with type of coordination 1 required 	gG: 500 A (690 V, 100 kA)
Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back fastening method screw fixing • side-by-side mounting Yes	— with type of assignment 2 required	
mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back fastening method screw fixing • side-by-side mounting Yes	• for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
+/- 22.5° tiltable to the front and back fastening method screw fixing • side-by-side mounting Yes	Installation/ mounting/ dimensions	
side-by-side mounting Yes	mounting position	
	fastening method	screw fixing
height 210 mm	 side-by-side mounting 	Yes
	height	210 mm

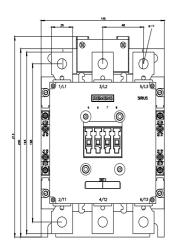
width	145 mm
depth	202 mm
required spacing	
with side-by-side mounting	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
• for grounded parts	
— forwards	20 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
	10 11111
• for live parts	00
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
Connections/ Terminals	
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 	Screw-type terminals
width of connection bar	25 mm
thickness of connection bar	6 mm
diameter of holes	11 mm
number of holes	1
connectable conductor cross-section for main contacts	
stranded	70 240 mm²
connectable conductor cross-section for auxiliary contacts	
 solid or stranded 	0.5 4 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), 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)
 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
suitability for use safety-related switching OFF	Yes
B10 value with high demand rate according to SN 31920	1 000 000
T1 value for proof test interval or service life according to IEC	20 a
61508	
protection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover
Certificates/ approvals	
General Product Approval	
Confirmation CSA	
EMC Functional Declaration	of Conformity Test Certificates

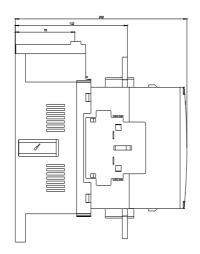
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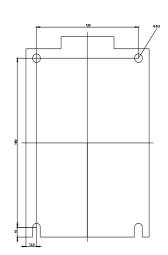
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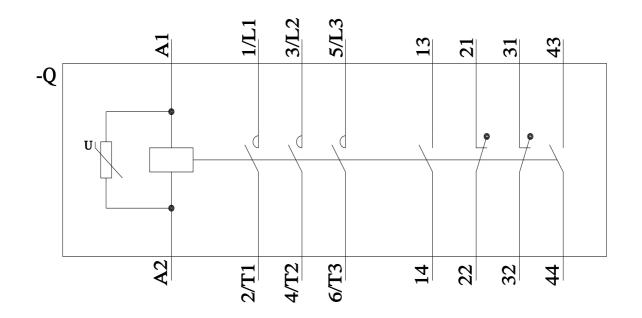
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