SIEMENS

Data sheet

3RT1065-6AP36



power contactor, AC-3e/AC-3 265 A, 132 kW / 400 V AC (50-60 Hz) / DC Uc: 220-240 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	6.54 kg
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	580 kg
Global Warming Potential [CO2 eq] during manufacturing	26.3 kg
Global Warming Potential [CO2 eq] during operation	559 kg
Global Warming Potential [CO2 eq] after end of life	-4.89 kg
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 	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 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	
— 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	
— 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 — up to 1000 V for current peak value n=20 rated 	265 A 95 A
value ● 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

 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-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	100 000 kVA

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at AC-2 maximum250 1/hat AC-3 maximum500 1/hat AC-3 maximum500 1/hat AC-4 maximum130 1/hControl supply voltageAC/DCControl supply voltage ACat 50 Hz rated value220 240 Vcontrol supply voltage at DC rated value220 240 Vcontrol supply voltage at DC rated valueoperating range factor control supply voltage rated value of magnet coll at DCoperating range factor control supply voltage rated value of magnet coll at AC0.8initial value0.8initial value0.9initial val	operating frequency	
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• at AC-3e maximum500 1/h• at AC-4 maximum130 1/hControl circuit/ ControlXC/DCcontrol supply voltage at ACAC/DC• at 50 Hz rated value220 240 V• at 50 Hz rated value220 240 Vcontrol supply voltage at DC rated value220 240 Vcontrol supply voltage at DC rated value220 240 Vcontrol supply voltage at DC rated value0.8• at 60 Hz rated value0.8• initial value0.8• initial value0.8• initial value0.8• at 50 Hz0.8 1.1• at 50 Hz0.8 1.1• at 60 Hz0.8 1.1• at 60 Hz0.8 1.1• at 60 Hz90 VA• at 60 Hz490 VA• at 60 Hz590 VA• at 60 Hz0.9• at 6	• at AC-2 maximum	250 1/h
• at AC-4 maximum130 1/hControl circul// ControlImage: Control supply voltage of AC• at 50 Hz rated value220 240 V• at 60 Hz rated value220 240 V• at 60 Hz rated value220 240 V• operating range factor control supply voltage rated value of magnet coil at DC0.8• initial value0.8• initial value0.8• full-scale value0.8• at 60 Hz0.8 1.1• at 60 Hz0.9 VA• at 60 Hz90 VA• at 60 Hz90 VA• at 60 Hz590 VA<	• at AC-3 maximum	500 1/h
Control Circuit/ Control AC/DC type of voltage of the control supply voltage at AC AC/DC • at 50 Hz rated value 220 240 V • at 60 Hz rated value 220 240 V control supply voltage at DC rated value 220 240 V control supply voltage at DC rated value 220 240 V operating range factor control supply voltage rated value of magnet coil at DC 0.8 • initial value 0.8 • initial value 0.8 • operating range factor control supply voltage rated value of magnet coil at AC 0.8 1.1 operating range factor control supply voltage rated value of the surge suppressor with varisfor at 60 Hz 0.8 1.1 at 60 Hz 0.8 1.1 - at 60 Hz 490 VA - at 60 Hz 590 VA <	• at AC-3e maximum	500 1/h
type of voltage of the control supply voltage AC/DC control supply voltage at AC 220 240 V • at 50 Hz rated value 220 240 V control supply voltage at DC rated value 220 240 V control supply voltage at DC rated value 220 240 V control supply voltage at DC rated value 220 240 V operating range factor control supply voltage rated value of magnet coil at DC 0.8 • initial value 0.8 • initial value 0.8 • at 50 Hz 0.8 1.1 • at 60 Hz 590 VA - at 60 Hz 590 VA - at 60 Hz 590 VA - at 60 Hz 590 VA • at 60 Hz 0.9 • at 60 Hz 0.9 <td>• at AC-4 maximum</td> <td>130 1/h</td>	• at AC-4 maximum	130 1/h
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control supply voltage at DC rated value220 240 Voperating range factor control supply voltage rated value of magnet coil at DC0.8• initial value0.8• full-scale value1.1operating range factor control supply voltage rated value of magnet coil at AC0.8 1.1• at 50 Hz0.8 1.1• at 60 Hz0.8 1.1• at 60 Hz0.8 1.1• at 60 Hz0.8 1.1• at 60 Hz0.9 VA- at 60 Hz490 VA- at 60 Hz490 VA- at 60 Hz590 VA- at 60 Hz6.1 VA- at 60 Hz0.9- at 60 Hz <td>• at 50 Hz rated value</td> <td>220 240 V</td>	• at 50 Hz rated value	220 240 V
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magnet coil at DC 0.8 • initial value 0.8 • full-scale value 1.1 operating range factor control supply voltage rated value of magnet coil at AC 0.8 • at 50 Hz 0.8 • at 60 Hz 0.8 • at bol Hz 0.8 • at 60 Hz 0.8 • at minimum rated control supply voltage at AC - - at 50 Hz 490 VA - at 60 Hz 490 VA • at maximum rated control supply voltage at AC - - at 60 Hz 590 VA • at 60 Hz 0.9 • at 60 Hz 0.9 <t< td=""><td>control supply voltage at DC rated value</td><td>220 240 V</td></t<>	control supply voltage at DC rated value	220 240 V
• initial value0.8• full-scale value1.1operating range factor control supply voltage rated value of magnet coil at AC8• at 50 HZ0.8 1.1• at 60 HZ0.8 1.1• design of the surge suppressorwith varistorapparent pick-up power at 50 HZ490 VA- at 50 HZ490 VA- at 60 HZ590 VA- at 60 HZ6.1 VA- at 60 HZ0.9- at 60 HZ6.1 VA- at 60 HZ6.1 VA- at 60 HZ7.4 VA	operating range factor control supply voltage rated value of	
• full-scale value1.1operating range factor control supply voltage rated value of magnet coil at AC	magnet coil at DC	
operating range factor control supply voltage rated value of magnet coil at AC0.8 1.1• at 50 Hz0.8 1.1• at 60 Hz0.8 1.1design of the surge suppressorwith varistorapparent pick-up power-• at 50 Hz490 VA- at 50 Hz490 VA- at 60 Hz490 VA- at 60 Hz590 VA- at 60 Hz590 VA- at 60 Hz590 VA- at 50 Hz590 VA- at 60 Hz0.9- at 6	● initial value	0.8
magnet coil at AC	● full-scale value	1.1
• at 60 Hz0.81.1design of the surge suppressorwith varistorapparent pick-up power4• at minimum rated control supply voltage at AC490 VA- at 50 Hz490 VA- at 60 Hz590 VA- at 60 Hz590 VA- at 60 Hz590 VA- at 50 Hz690 VA- at 50 Hz690 VA- at 50 Hz6.1 VA- at 50 Hz6.1 VA- at minimum rated control supply voltage at DC6.1 VA- at minimum rated control supply voltage at DC7.4 VA- at maximum rated control supply voltage at DC7.4 VA		
design of the surge suppressorwith varistorapparent pick-up powerwith varistor- at four power- at 50 Hz- at 50 Hz490 VA- at 60 Hz490 VA- at 60 Hz590 VA- at 60 Hz590 VA- at 50 Hz590 VA- at 60 Hz0.9- at 60 Hz0.9- at 60 Hz0.9- at 60 Hz0.9- at 60 Hz6.1 VA- at minimum rated control supply voltage at DC7.4 VA- at maximum rated control supply voltage at DC7.4 VA	• at 50 Hz	0.8 1.1
apparent pick-up power• at minimum rated control supply voltage at AC- at 50 Hz- at 60 Hz590 VA- at 50 Hz590 VA- at 50 Hz590 VA- at 50 Hz590 VA- at 50 Hz590 VA• at 50 Hz590 VA• at 60 Hz• at minimum rated control supply voltage at DC• at minimum rated control supply voltage at DC• at maximum rated control s	• at 60 Hz	0.8 1.1
 at minimum rated control supply voltage at AC at 50 Hz at 60 Hz 490 VA at maximum rated control supply voltage at AC at 60 Hz 590 VA at 50 Hz 590 VA at 50 Hz 590 VA at 50 Hz 590 VA at 60 Hz 590 VA at 60 Hz 590 VA at 60 Hz 61 VA 61 VA 90 VA 	design of the surge suppressor	with varistor
at 50 Hz490 VA at 60 Hz490 VA• at maximum rated control supply voltage at AC at 60 Hz590 VA at 50 Hz590 VA at 50 Hz590 VA• at 50 Hz590 VA• at 50 Hz590 VA• at 60 Hz0.9• at 60 Hz0.9• at 60 Hz0.9• at 60 Hz6.1 VA• at minimum rated control supply voltage at DC7.4 VA• at maximum rated control supply voltage at DC7.4 VA	apparent pick-up power	
at 60 Hz490 VA• at maximum rated control supply voltage at AC at 60 Hz590 VA at 50 Hz590 VAapparent pick-up power of magnet coil at AC-• at 50 Hz590 VA• at 60 Hz590 VA• at 60 Hz590 VA• at 60 Hz09 VA• at 60 Hz0.9• at 60 Hz6.1 VA• at minimum rated control supply voltage at DC6.1 VA• at maximum rated control supply voltage at DC7.4 VA	 at minimum rated control supply voltage at AC 	
• at maximum rated control supply voltage at ACSince the set of	— at 50 Hz	490 VA
- 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 50 Hz 590 VA • at 60 Hz 09 VA • at 50 Hz 0.9 VA • at 60 Hz 0.9 • at minimum rated control supply voltage at DC 6.1 VA • at maximum rated control supply voltage at DC 6.1 VA • at maximum rated control supply voltage at DC 7.4 VA	— at 60 Hz	490 VA
- at 50 Hz590 VAapparent pick-up power of magnet coil at AC-• at 50 Hz590 VA• at 60 Hz590 VAinductive power factor with closing power of the coil590 VA• at 50 Hz0.9• at 60 Hz0.9• at 60 Hz0.9• at 60 Hz6.1 VAapparent holding power6.1 VA• at maximum rated control supply voltage at DC6.1 VA• at maximum rated control supply voltage at DC7.4 VA	 at maximum rated control supply voltage at AC 	
apparent pick-up power of magnet coil at AC590 VA• at 50 Hz590 VA• at 60 Hz590 VAinductive power factor with closing power of the coil0.9• at 50 Hz0.9• at 60 Hz0.9• at 60 Hz0.9• at 60 Hz6.1 VAapparent holding power6.1 VA• at minimum rated control supply voltage at DC6.1 VA• at maximum rated control supply voltage at DC7.4 VA	— at 60 Hz	590 VA
• at 50 Hz590 VA• at 60 Hz590 VAinductive power factor with closing power of the coil590 VA• at 50 Hz0.9• at 60 Hz0.9• at 60 Hz0.9• at 60 Hz6.1 VA• at minimum rated control supply voltage at DC6.1 VA• at maximum rated control supply voltage at DC7.4 VA• apparent holding power5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply volt	— at 50 Hz	590 VA
• at 60 Hz590 VAinductive power factor with closing power of the coil590 VA• at 50 Hz0.9• at 60 Hz0.9• at 60 Hz0.9• at minimum rated control supply voltage at DC6.1 VA• at maximum rated control supply voltage at DC7.4 VA• apparent holding power5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at DC5.1 VA• at maximum rated control supply voltage at	apparent pick-up power of magnet coil at AC	
inductive power factor with closing power of the coil 0.9 • at 50 Hz 0.9 • at 60 Hz 0.9 apparent holding power 0.9 • at minimum rated control supply voltage at DC 6.1 VA • at maximum rated control supply voltage at DC 7.4 VA apparent holding power 7.4 VA	• at 50 Hz	590 VA
• at 50 Hz 0.9 • at 60 Hz 0.9 apparent holding power 0.9 • at minimum rated control supply voltage at DC 6.1 VA • at maximum rated control supply voltage at DC 7.4 VA apparent holding power 7.4 VA	• at 60 Hz	590 VA
• at 60 Hz 0.9 apparent holding power 6.1 VA • at minimum rated control supply voltage at DC 6.1 VA • at maximum rated control supply voltage at DC 7.4 VA apparent holding power 7.4 VA	inductive power factor with closing power of the coil	
apparent holding power 6.1 VA • at minimum rated control supply voltage at DC 6.1 VA • at maximum rated control supply voltage at DC 7.4 VA apparent holding power 6.1 VA	• at 50 Hz	0.9
at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC 7.4 VA apparent holding power	• at 60 Hz	0.9
at maximum rated control supply voltage at DC 7.4 VA apparent holding power	apparent holding power	
apparent holding power		a 4344
		6.1 VA
at minimum rated control supply voltage at AC	at minimum rated control supply voltage at DC	
	 at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC 	
— at 50 Hz 5.6 VA	at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC apparent holding power	
— at 60 Hz 5.6 VA	at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC apparent holding power at minimum rated control supply voltage at AC	7.4 VA
at maximum rated control supply voltage at AC	 at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC apparent holding power at minimum rated control supply voltage at AC at 50 Hz 	7.4 VA 5.6 VA

— at 50 Hz	6.7 VA		
— at 50 Hz — at 60 Hz	6.7 VA		
inductive power factor with the holding power of the coil	0.7 VA		
• 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	00.05		
• at AC	30 95 ms		
• at DC	30 95 ms		
opening delay	40 00 mg		
• 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 contact	2		
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	1 A		
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		
• at 125 V rated value	2 A		
 at 220 V rated value 	1 A		
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 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)		
	J		

nstallation/ 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		
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		
for live parts			
— forwards	20 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	10 mm		
onnections/ Terminals			
type of electrical connection			
	Connection her		
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		
type of connectable conductor cross-sections			
for AWG cables for main contacts	2/0 500 kcmil		
connectable conductor cross-section for main contacts			
• stranded	70 240 mm²		
connectable conductor cross-section for auxiliary contacts			
solid or stranded	0.5 4 mm ²		
 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 mm²), 2x (0.75 2.5 mm²)		
 for AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14), 1x 12		
AWG number as coded connectable conductor cross			
section	10 14		
for auxiliary contacts	18 14		
afety related data			
product function	N/		
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		
service life maximum	20 a		
test wear-related service life necessary	Yes		
proportion of dangerous failures			
 with low demand rate according to SN 31920 	40 %		
 with high demand rate according to SN 31920 	73 %		
B10 value with high demand rate according to SN 31920	1 000 000		

ailure rate [FIT] with I 31920	ow demand rate accor	ding to SN	100 FIT			
SO 13849						
device type according to ISO 13849-1 3		3				
<u>,, , , , , , , , , , , , , , , , , , ,</u>		Yes				
EC 61508						
afety device type acc	ording to IEC 61508-2		Туре А			
Electrical Safety						
protection class IP on	the front according to	IEC 60529	IP00; IP20 with box terminal/c	over		
ouch protection on th	e front according to IE	C 60529	finger-safe, for vertical contact	t from the front with box ter	minal/cover	
provals Certificates						
General Product Appr	oval					
CE EG-Konf.	UK CA	<u>Confirmation</u>	CCC		KC	
General Product Ap- proval	EMV	Functional Safte	y Test Certificates			
EHC	RCM	<u>Type Examination</u> <u>tificate</u>	Cer- Special Test Certific- ate	Type Test Certific- ates/Test Report	<u>Miscellaneous</u>	
Marine / Shipping					other	
ABS		Llovds Register us	PRS	RMFS	<u>Confirmation</u>	
other		Railway	Environment			
Confirmation	<u>Miscellaneous</u>	<u>Special Test Cerl</u> <u>ate</u>	ific- EPD	Siemens EcoTech	Environmental Cor firmations	
rther information						
nformation on the pac	ckaging					
	siemens.com/cs/ww/en/ nloadcenter (Catalogs, m/ic10					

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1065-6AP36

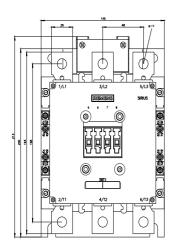
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

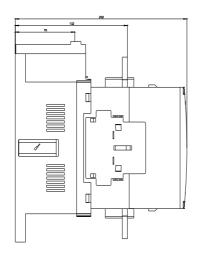
https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-6AP36

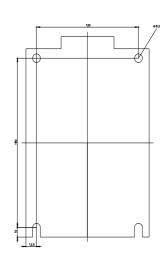
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1065-6AP36&lang=en

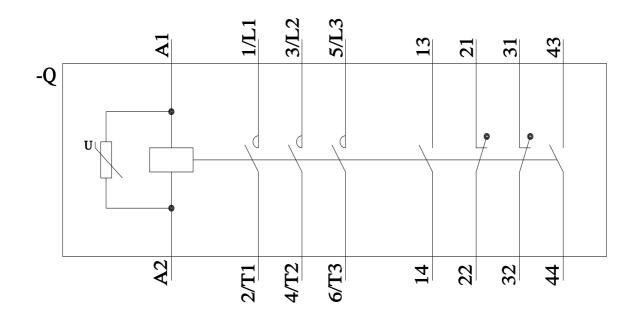
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-6AP36/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1065-6AP36&objecttype=14&gridview=view1









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7/19/2024 🖸

9/25/2024