SIEMENS

Data sheet 3RT1066-2NP36



power contactor, AC-3e/AC-3 300 A, 160 kW / 400 V, AC (50-60 Hz) / DC Uc: 200-277 V PLC input 24 V DC 3-pole, auxiliary contacts 2 NO + 2 NC drive: electronic main circuit: busbar control and auxiliary circuit: spring-loaded 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 	66 W		
 at AC in hot operating state per pole 	22 W		
 without load current share typical 	3.4 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 safe isolation 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		
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 %		

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	300 A
— at 500 V rated value	300 A
— at 690 V rated value	280 A
— at 1000 V rated value	95 A
at AC-3e	
■ at AC-3e — at 400 V rated value	300 A
— at 400 V rated value — at 500 V rated value	300 A 300 A
	95 A
— at 1000 V rated value	
at AC-4 at 400 V rated value at AC-5 a value (CO) V rated value	280 A
at AC-5a up to 690 V rated value at AC-5b up to 400 V rated value	290 A
at AC-5b up to 400 V rated value	249 A
at AC-6a up to 230 V for current peak value n=20 rated	292 A
value — up to 400 V for current peak value n=20 rated	292 A
value — up to 500 V for current peak value n=20 rated value	292 A
up to 690 V for current peak value n=20 rated value	280 A
up to 1000 V for current peak value n=20 rated value	95 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value value	195 A
— up to 400 V for current peak value n=30 rated value	195 A
up to 500 V for current peak value n=30 rated value	195 A
— up to 690 V for current peak value n=30 rated value	195 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	125 A
 at 690 V rated value 	115 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	
- 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 220 V rated value 300 A
 — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value ■ with 3 current paths in series at DC-1 — at 24 V rated value — at 60 V rated value — at 60 V rated value — at 110 V rated value 300 A — at 110 V rated value 300 A
 — at 220 V rated value — at 440 V rated value — at 600 V rated value ■ with 3 current paths in series at DC-1 — at 24 V rated value — at 60 V rated value — at 60 V rated value — at 110 V rated value 300 A — at 110 V rated value 300 A
 at 440 V rated value at 600 V rated value with 3 current paths in series at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value 300 A 300 A 300 A
 at 600 V rated value with 3 current paths in series at DC-1 at 24 V rated value at 60 V rated value at 60 V rated value at 110 V rated value 300 A 300 A
with 3 current paths in series at DC-1 — at 24 V rated value — at 60 V rated value — at 110 V rated value 300 A 300 A
 at 24 V rated value at 60 V rated value at 110 V rated value 300 A 300 A 300 A
— at 60 V rated value— at 110 V rated value300 A
— at 110 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 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— at 400 V rated value160 kW
— at 500 V rated value 200 kW
— at 690 V rated value 250 kW
— at 1000 V rated value 250 kW
• at AC-3e
— at 230 V rated value 90 kW
— at 400 V rated value 160 kW
— at 500 V rated value 200 kW
— at 1000 V rated value 132 kW
operating power for approx. 200000 operating cycles at AC-4
• at 400 V rated value 71 kW
• at 690 V rated value 112 kW
operating apparent power at AC-6a
• up to 230 V for current peak value n=20 rated value 110 000 kVA
• up to 400 V for current peak value n=20 rated value 200 000 VA
• up to 500 V for current peak value n=20 rated value 250 000 VA
• up to 690 V for current peak value n=20 rated value 330 000 VA
 up to 1000 V for current peak value n=20 rated 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 400 V for current peak value n=30 rated value 130 000 VA
• up to 500 V for current peak value n=30 rated value 160 000 VA
• up to 690 V for current peak value n=30 rated value 230 000 VA
 up to 1000 V for current peak value n=30 rated 160 000 VA
short-time withstand current in cold operating state up to 40 °C

limited to 1 s switching at zero current maximum	5 524 A; Use minimum cross-section acc. to AC-1 rated value			
Iimited to 5 s switching at zero current maximum	4 579 A; Use minimum cross-section acc. to AC-1 rated value			
 limited to 10 s switching at zero current maximum 	3 153 A; Use minimum cross-section acc. to AC-1 rated value			
 limited to 30 s switching at zero current maximum 	1 883 A; Use minimum cross-section acc. to AC-1 rated value			
limited to 60 s switching at zero current maximum	1 445 A; Use minimum cross-section acc. to AC-1 rated value			
no-load switching frequency	4.000.4//			
• at AC	1 000 1/h			
• at DC	1 000 1/h			
operating frequency	770.44			
• at AC-1 maximum	750 1/h			
• at AC-2 maximum	250 1/h			
• at AC-3 maximum	500 1/h			
at AC-3e maximumat AC-4 maximum	500 1/h			
	130 1/h			
Control circuit/ Control	10.70			
type of voltage of the control supply voltage	AC/DC			
control supply voltage at AC	000 0771/			
at 50 Hz rated value	200 277 V			
• at 60 Hz rated value	200 277 V			
control supply voltage at DC	200 277.1/			
rated value The of BLC control input according to IEC C0047.4	200 277 V			
type of PLC-control input according to IEC 60947-1	Type 2			
consumed current at PLC-control input according to IEC 60947-1 maximum	20 mA			
voltage at PLC-control input rated value	24 V			
operating range factor of the voltage at PLC-control	0.8 1.1			
input				
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	0.8 1.1			
• at 60 Hz	0.8 1.1 with varistor			
design of the surge suppressor apparent pick-up power of magnet coil at AC	with valistor			
• at 50 Hz	530 V/A			
• at 60 Hz	530 VA 530 VA			
inductive power factor with closing power of the coil	300 VA			
• at 50 Hz	0.8			
• at 60 Hz	0.8			
apparent holding power of magnet coil at AC				
• at 50 Hz	8.5 VA			
• at 60 Hz	8.5 VA			
inductive power factor with the holding power of the				
coil				
• at 50 Hz	0.4			
● at 60 Hz	0.4			
closing power of magnet coil at DC	580 W			
holding power of magnet coil at DC	3.4 W			
closing delay				
• at AC	45 80 ms			
• at DC	45 80 ms			
opening delay	20 422			
• at AC	80 100 ms			
• at DC	80 100 ms			
arcing time	10 15 ms			
control version of the switch operating mechanism	PLC-IN or Standard A1 - A2 (adjustable)			
Auxiliary circuit				
number of NC contacts for auxiliary contacts	2			
instantaneous contact	2			
number of NO contacts for auxiliary contacts instantaneous contact	2			
operational current at AC-12 maximum	10 A			
operational outrent at 7:0-12 maximum	1071			

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	302 A			
at 600 V rated value	289 A			
yielded mechanical performance [hp]				
• for 3-phase AC motor				
— at 200/208 V rated value	100 hp			
— at 220/230 V rated value	125 hp			
— at 460/480 V rated value	250 hp			
 at 575/600 V rated value 	300 hp			
— at 575/600 V rated value contact rating of auxiliary contacts according to UL	300 hp A600 / Q600			
contact rating of auxiliary contacts according to UL				
contact rating of auxiliary contacts according to UL Short-circuit protection				
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link				
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit	A600 / Q600			
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required	A600 / Q600 gG: 500 A (690 V, 100 kA)			
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit	gG: 500 A (690 V, 100 kA) gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415			
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required	GG: 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)			
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required	gG: 500 A (690 V, 100 kA) gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415			
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch	GG: 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)			
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required	gG: 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) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting			
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions	gG: 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) gG: 10 A (500 V, 1 kA)			
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contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	gG: 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) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back			
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method	gG: 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) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing			
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting	gG: 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) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes			
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height	gG: 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) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm			
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing	gG: 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) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm			
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth	gG: 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) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm			
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contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting	gG: 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) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm			
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contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — downwards — at the side	gG: 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) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm			
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contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts	gG: 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) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm 0 mm 0 mm			
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contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards — upwards — at the side	gG: 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) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm 10 mm			
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards — at the side — downwards — at the side — downwards	gG: 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) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm 10 mm			
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • downwards — at the side — downwards — at the side — downwards — at the side — downwards — for live parts	gG: 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) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm 0 mm 0 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm			

- at the side 10 mm **Connections/ Terminals** type of electrical connection • for main current circuit Connection bar • for auxiliary and control circuit spring-loaded terminals · at contactor for auxiliary contacts Spring-type terminals · of magnet coil Spring-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 0.25 ... 2.5 mm² • finely stranded with core end processing 0.25 ... 1.5 mm² • finely stranded without core end processing 0.25 ... 2.5 mm² type of connectable conductor cross-sections • for auxiliary contacts - solid 2x (0.25 ... 2.5 mm²) - solid or stranded 2x (0,25 ... 2,5 mm²) - finely stranded with core end processing 2x (0.25 ... 1.5 mm²) 2x (0.25 ... 2.5 mm²) - finely stranded without core end processing • at AWG cables for auxiliary contacts 2x (24 ... 14) AWG number as coded connectable conductor cross section · for auxiliary contacts 24 ... 14 Safety related data

product function

• mirror contact according to IEC 60947-4-1

 positively driven operation according to IEC 60947-5-1

B10 value with high demand rate according to SN 31920

T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC

60529 touch protection on the front according to IEC 60529 suitability for use

• safety-related switching OFF

Yes

No

1 000 000 20 a

IP00; IP20 with box terminal/cover

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

Yes

Certificates/ approvals

General Product Approval



Confirmation





<u>KC</u>



Functional
EMC Safety/Safety of Declaration of Conformity Test Certificates
Machinery



Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping other













other			Railway	
Confirmation	<u>Miscellaneous</u>	Confirmation	Vibration and Shock	Special Test Certific- ate

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1066-2NP36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1066-2NP36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1066-2NP36

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

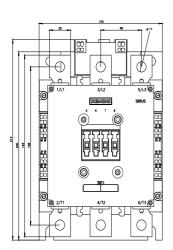
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1066-2NP36&lang=en

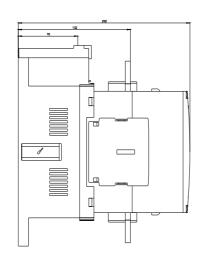
Characteristic: Tripping characteristics, I2t, Let-through current

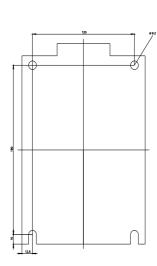
https://support.industry.siemens.com/cs/ww/en/ps/3RT1066-2NP36/char

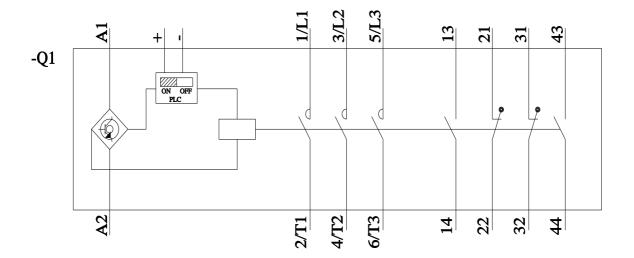
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1066-2NP36&objecttype=14&gridview=view1









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