# **SIEMENS**

Data sheet 3RT1064-6PP35



power contactor, AC-3e/AC-3 225 A, 110 kW / 400 V AC (50-60 Hz) / DC Uc: 200-277 V PLC input 24 V DC 3-pole, auxiliary contacts 1 NO + 1 NC drive: electronic main circuit: busbar control and auxiliary circuit: screw terminal with remaining lifetime indicator

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
General technical data	
size of contactor	S10
product extension	
<ul> <li>function module for communication</li> </ul>	No
<ul><li>auxiliary switch</li></ul>	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	51 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	17 W
<ul> <li>without load current share typical</li> </ul>	3.4 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	1 000 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	500 V
surge voltage resistance	
of main circuit rated value	8 kV
<ul> <li>of auxiliary circuit rated value</li> </ul>	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
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	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			
<ul> <li>at AC-3 rated value maximum</li> </ul>	1 000 V		
<ul> <li>at AC-3e rated value maximum</li> </ul>	1 000 V		
operational current			
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C</li> </ul>	275 A		
rated value			
• at AC-1			
<ul> <li>— up to 690 V at ambient temperature 40 °C rated value</li> </ul>	275 A		
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	250 A		
<ul> <li>up to 1000 V at ambient temperature 40 °C rated value</li> </ul>	100 A		
<ul> <li>up to 1000 V at ambient temperature 60 °C rated value</li> </ul>	100 A		
• at AC-3			
— at 400 V rated value	225 A		
— at 500 V rated value	225 A		
— at 690 V rated value	225 A		
— at 1000 V rated value	68 A		
• at AC-3e			
— at 400 V rated value	225 A		
— at 500 V rated value	225 A		
— at 1000 V rated value	68 A		
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	195 A		
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	242 A		
<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	186 A		
• at AC-6a			
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	225 A		
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	225 A		
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	225 A		
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	225 A		
— up to 1000 V for current peak value n=20 rated value	68 A		
• at AC-6a	450.4		
— up to 230 V for current peak value n=30 rated value	172 A		
— up to 400 V for current peak value n=30 rated value	172 A		
— up to 500 V for current peak value n=30 rated value	172 A		
— up to 690 V for current peak value n=30 rated value	172 A 68 A		
— up to 1000 V for current peak value n=30 rated value  minimum cross-section in main circuit at maximum AC-1	68 A 150 mm <sup>2</sup>		
rated value  operational current for approx. 200000 operating	100 111111		
cycles at AC-4  • at 400 V rated value	96 A		
at 690 V rated value     at 690 V rated value	85 A		
operational current	00 N		
• at 1 current path at DC-1			
— at 24 V rated value	200 A		
— at 60 V rated value	200 A 200 A		
— at 100 V rated value  — at 110 V rated value	18 A		
— at 220 V rated value	3.4 A		
— at 440 V rated value  — at 440 V rated value	0.8 A		
— at 600 V rated value	0.5 A		
with 2 current paths in series at DC-1	U.U.A.		
with 2 current paths in series at DC-1			

at 24 V rated value	200 A
— at 24 V rated value — at 60 V rated value	200 A 200 A
	200 A
— at 110 V rated value — at 220 V rated value	200 A 20 A
— at 440 V rated value	3.2 A
— at 600 V rated value	1.6 A
with 3 current paths in series at DC-1	1.0 A
— at 24 V rated value	200 A
— at 60 V rated value	200 A
— at 110 V rated value	200 A
— at 220 V rated value	200 A
— at 440 V rated value	11 A
— at 600 V rated value	4 A
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	200 A
— at 60 V rated value	7.5 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.17 A
— at 600 V rated value	0.12 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	200 A
— at 60 V rated value	200 A
— at 110 V rated value	200 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
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	200 A
— at 60 V rated value	200 A
— at 110 V rated value	200 A
— at 220 V rated value	200 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	
— at 230 V rated value	55 kW
— at 400 V rated value	110 kW
— at 500 V rated value	160 kW
— at 690 V rated value	200 kW
— at 1000 V rated value	90 kW
• at AC-3e	
— at 230 V rated value	55 kW
— at 400 V rated value	110 kW
— at 500 V rated value	160 kW
— at 1000 V rated value	90 kW
operating power for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	54 kW
• at 690 V rated value	82 kW
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	90 000 kVA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	150 000 VA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	190 000 VA
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	260 000 VA
<ul> <li>up to 1000 V for current peak value n=20 rated value</li> </ul>	110 000 VA
operating apparent power at AC-6a	00.000 \
• up to 230 V for current peak value n=30 rated value	60 000 VA
• up to 400 V for current peak value n=30 rated value	110 000 VA
up to 500 V for current peak value n=30 rated value	140 000 VA
up to 690 V for current peak value n=30 rated value	200 000 VA
<ul> <li>up to 1000 V for current peak value n=30 rated value</li> </ul>	110 000 VA
short-time withstand current in cold operating state up to 40 °C	

<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	4 000 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	2 807 A; Use minimum cross-section acc. to AC-1 rated value			
limited to 10 s switching at zero current maximum	2 082 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	1 397 A; Use minimum cross-section acc. to AC-1 rated value			
limited to 60 s switching at zero current maximum	1 144 A; Use minimum cross-section acc. to AC-1 rated value			
no-load switching frequency	4 000 4 11			
• 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			
<ul> <li>at AC-3e maximum</li> <li>at AC-4 maximum</li> </ul>	500 1/h 130 1/h			
	130 1/11			
Control circuit/ Control				
type of voltage of the control supply voltage	AC/DC			
control supply voltage at AC	000 077 //			
at 50 Hz rated value	200 277 V			
• at 60 Hz rated value	200 277 V			
control supply voltage at DC	200 277 \			
• rated value	200 277 V			
type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to	Type 2 20 mA			
IEC 60947-1 maximum	20 IIIA			
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				
• 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 of magnet coil at AC	mai varioto.			
• at 50 Hz	530 VA			
• at 60 Hz	530 VA			
inductive power factor with closing power of the coil				
• 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	2.4			
• 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	TO 00 IIIO			
• 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	1			
instantaneous contact				
number of NO contacts for auxiliary contacts	1			
instantaneous contact				
operational current at AC-12 maximum	10 A			

operational current at AC-15				
<ul> <li>at 230 V rated value</li> </ul>	6 A			
<ul> <li>at 400 V rated value</li> </ul>	3 A			
<ul> <li>at 500 V rated value</li> </ul>	2 A			
<ul> <li>at 690 V rated value</li> </ul>	1 A			
operational current at DC-12				
<ul><li>at 24 V rated value</li></ul>	10 A			
<ul><li>at 48 V rated value</li></ul>	6 A			
<ul><li>at 60 V rated value</li></ul>	6 A			
<ul><li>at 110 V rated value</li></ul>	3 A			
<ul> <li>at 125 V rated value</li> </ul>	2 A			
<ul> <li>at 220 V rated value</li> </ul>	1 A			
<ul><li>at 600 V rated value</li></ul>	0.15 A			
operational current at DC-13				
<ul><li>at 24 V rated value</li></ul>	10 A			
<ul> <li>at 48 V rated value</li> </ul>	2 A			
<ul><li>at 60 V rated value</li></ul>	2 A			
<ul> <li>at 110 V rated value</li> </ul>	1 A			
<ul> <li>at 125 V rated value</li> </ul>	0.9 A			
<ul> <li>at 220 V rated value</li> </ul>	0.3 A			
<ul> <li>at 600 V rated value</li> </ul>	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	180 A			
at 600 V rated value	192 A			
yielded mechanical performance [hp]				
for 3-phase AC motor				
— at 200/208 V rated value	60 hp			
— at 220/230 V rated value	75 hp			
— at 460/480 V rated value	150 hp			
— at 575/600 V rated value	200 hp			
at 07 07000 V Tatou Valuo	AUU IID			
	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	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  — 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)			
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)			
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)			
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	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 165 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 165 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 165 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	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 165 mm 202 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	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 165 mm 202 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	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 165 mm 202 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	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 165 mm 202 mm 10 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	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 165 mm 202 mm 10 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	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 165 mm 202 mm  20 mm 10 mm 10 mm 0 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	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 165 mm 202 mm  20 mm 10 mm 0 mm 0 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  — torwards  — upwards  — forwards  — upwards	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 165 mm 202 mm 10 mm 10 mm 0 mm			
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- 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 mm<sup>2</sup> connectable conductor cross-section for auxiliary contacts solid or stranded 0.5 ... 4 mm<sup>2</sup> • finely stranded with core end processing 0.5 ... 2.5 mm<sup>2</sup> 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) • at 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

Cafata	related data	
Parallel M		

#### 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>



**EMC** 

**Functional** Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 



Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>

Marine / Shipping

other













other			Railway	
Confirmation	Confirmation	Miscellaneous	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=3RT1064-6PP35

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1064-6PP35

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-6PP35

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

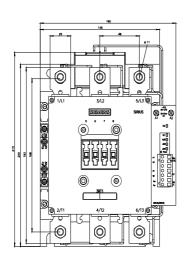
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1064-6PP35&lang=en

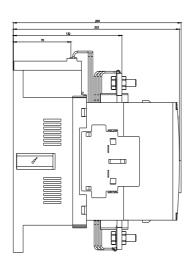
Characteristic: Tripping characteristics, I2t, Let-through current

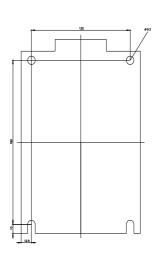
https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-6PP35/char

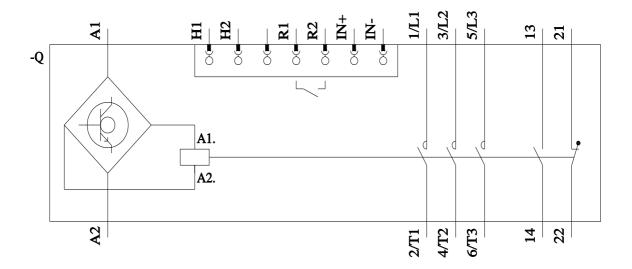
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1064-6PP35&objecttype=14&gridview=view1









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