## SIEMENS

## Data sheet

## 3RT1064-6AP36



Power contactor, AC-3 225 A, 110 kW / 400 V AC (50-60 Hz) / DC operation 220-240 V UC Auxiliary contacts 2 NO + 2 NC 3-pole, Size S10 Busbar connections Drive: conventional screw terminal

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			
auxiliary switch	Yes			
power loss [W] for rated value of the current at AC in hot operating state	51 W			
• per pole	17 W			
power loss [W] for rated value of the current without load current share typical	7.4 W			
surge voltage resistance				
<ul> <li>of main circuit rated value</li> </ul>	8 kV			
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV			
maximum permissible voltage for safe isolation between coil and main contacts acc. 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 (switching cycles)				
<ul> <li>of contactor typical</li> </ul>	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 acc. to IEC 81346-2	Q			
Substance Prohibitance (Date)	01.05.2012 00:00:00			
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 acc. to IEC 60068-2-30	95 %			

maximum				
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			
operational current				
at AC-1 at 400 V at ambient temperature 40 °C rated value	275 A			
• at AC-1				
— up to 690 V at ambient temperature 40 °C rated value	275 A			
— up to 690 V at ambient temperature 60 °C rated value	250 A			
— up to 1000 V at ambient temperature 40 °C rated value	100 A			
— up to 1000 V at ambient temperature 60 °C rated value	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			
<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			
— up to 690 V for current peak value n=20 rated value	225 A			
— up to 1000 V for current peak value n=20 rated value	68 A			
• at AC-6a				
— 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			
up to 1000 V for current peak value n=30 rated value	68 A			
minimum cross-section in main circuit at maximum AC-1 rated value	150 mm²			
operational current for approx. 200000 operating cycles at AC-4				
at 400 V rated value	96 A			
at 690 V rated value	85 A			
operational current				
at 1 current path at DC-1				
— at 24 V rated value	200 A			
— at 110 V rated value	18 A			
— at 220 V rated value	3.4 A			
— at 440 V rated value	0.8 A			
— at 600 V rated value	0.5 A			
<ul> <li>with 2 current paths in series at DC-1</li> </ul>				
- at 24 V rated value	200 A			
- al 27 V lateu Value	200 1			

— at 110 V rated value	200 A				
— at 220 V rated value	20 A				
— at 440 V rated value	3.2 A				
— at 600 V rated value	1.6 A				
<ul> <li>with 3 current paths in series at DC-1</li> </ul>					
— at 24 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				
operational current					
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>					
— at 24 V rated value	200 A				
— at 110 V rated value	2.5 A				
— at 220 V rated value	0.6 A				
— at 440 V rated value	0.17 A				
— at 600 V rated value	0.17 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 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				
• with 3 current paths in series at DC-3 at DC-5					
— at 24 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					
operating power					
• at AC-3	55 kW				
• at AC-3 — at 230 V rated value	55 kW 110 kW				
at AC-3         — at 230 V rated value         — at 400 V rated value	110 kW				
<ul> <li>at AC-3</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> </ul>	110 kW 160 kW				
<ul> <li>at AC-3</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul>	110 kW 160 kW 200 kW				
<ul> <li>at AC-3</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> </ul>	110 kW 160 kW				
at AC-3         — at 230 V rated value         — at 400 V rated value         — at 500 V rated value         — at 690 V rated value         — at 1000 V rated value <b>operating power for approx. 200000 operating cycles</b>	110 kW 160 kW 200 kW				
at AC-3         — at 230 V rated value         — at 400 V rated value         — at 500 V rated value         — at 690 V rated value         — at 1000 V rated value         operating power for approx. 200000 operating cycles         at AC-4	110 kW 160 kW 200 kW 90 kW				
<ul> <li>at AC-3 <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at 1000 V rated value</li> </ul> </li> <li>operating power for approx. 200000 operating cycles at AC-4 <ul> <li>at 400 V rated value</li> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> </li> </ul>	110 kW 160 kW 200 kW 90 kW 54 kW				
at AC-3         — at 230 V rated value         — at 400 V rated value         — at 500 V rated value         — at 500 V rated value         — at 690 V rated value         — at 1000 V rated value <b>operating power for approx. 200000 operating cycles at AC-4</b> • at 400 V rated value	110 kW 160 kW 200 kW 90 kW 54 kW				
<ul> <li>at AC-3         <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at 1000 V rated value</li> </ul> </li> <li>operating power for approx. 200000 operating cycles at AC-4         <ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> </li> </ul>	110 kW 160 kW 200 kW 90 kW 54 kW 82 kW				
<ul> <li>at AC-3         <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at 1000 V rated value</li> </ul> </li> <li>operating power for approx. 200000 operating cycles at AC-4         <ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> </li> </ul>	110 kW 160 kW 200 kW 90 kW 54 kW 82 kW 90 000 kV-A				
<ul> <li>at AC-3 <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at 1000 V rated value</li> </ul> </li> <li>operating power for approx. 200000 operating cycles at AC-4 <ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>operating apparent power at AC-6a <ul> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> </ul> </li> </ul>	110 kW 160 kW 200 kW 90 kW 54 kW 82 kW 90 000 kV·A 150 000 V·A 190 000 V·A				
<ul> <li>at AC-3         <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at 1000 V rated value</li> </ul> </li> <li>operating power for approx. 200000 operating cycles at AC-4         <ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> </li> </ul>	110 kW 160 kW 200 kW 90 kW 54 kW 82 kW 90 000 kV·A 150 000 V·A				
<ul> <li>at AC-3 <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>operating power for approx. 200000 operating cycles at AC-4 <ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>operating apparent power at AC-6a <ul> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> </ul> </li> </ul>	110 kW 160 kW 200 kW 90 kW 54 kW 82 kW 90 000 kV·A 150 000 V·A 190 000 V·A 260 000 V·A				
<ul> <li>at AC-3 <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>operating power for approx. 200000 operating cycles at AC-4 <ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>operating apparent power at AC-6a <ul> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> </ul> </li> </ul>	110 kW 160 kW 200 kW 90 kW 54 kW 82 kW 90 000 kV·A 150 000 V·A 190 000 V·A 260 000 V·A				
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<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				
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	1 144 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	750 1/h				
• at AC-2 maximum	250 1/h				
• at AC-3 maximum	200 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	Adibo				
at 50 Hz rated value	220 240 V				
at 50 Hz rated value	220 240 V 220 240 V				
control supply voltage at DC	220 240.1/				
rated value	220 240 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 of magnet coil at AC					
• at 50 Hz	590 V·A				
• at 60 Hz	590 V-A				
inductive power factor with closing power of the coil					
• at 50 Hz	0.9				
• at 60 Hz	0.9				
apparent holding power of magnet coil at AC	0.0				
• at 50 Hz	6.7 V·A				
• at 60 Hz	6.7 V·A				
inductive power factor with the holding power of the	0.7 V A				
coil					
• at 50 Hz	0.9				
• at 60 Hz	0.9				
closing power of magnet coil at DC	650 W				
holding power of magnet coil at DC	7.4 W				
closing delay	_				
• at AC	30 95 ms				
• at DC	30 95 ms				
opening delay					
• at AC	40 80 ms				
• at DC	40 80 ms				
arcing time	10 15 ms				
control version of the switch operating mechanism	Standard A1 - A2				
Auxiliary circuit					
number of NC contacts for auxiliary contacts	2				
instantaneous contact					
number of NO contacts for auxiliary contacts instantaneous contact	2				
operational current at AC-12 maximum	10 A				
operational current at AC-15					
<ul> <li>at 230 V rated value</li> </ul>	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					
<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				
at 125 V rated value	2 A				
at 220 V rated value	2 A 1 A				
at 600 V rated value	1 A 0.15 A				
operational current at DC-13	0.10 A				
at 24 V rated value	10 A				
at 24 V rated value	10 A				
	2 A 2 A				
at 60 V rated value	2 A 1 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	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				
contact rating of auxiliary contacts according to UL					
	1000 / 2000				
Short circuit protection					
Short-circuit protection					
design of the fuse link					
<ul><li>design of the fuse link</li><li>for short-circuit protection of the main circuit</li></ul>					
<ul> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> <li>— with type of coordination 1 required</li> </ul>	gG: 500 A (690 V, 100 kA)				
<ul><li>design of the fuse link</li><li>for short-circuit protection of the main circuit</li></ul>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415				
<ul> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> </ul>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)				
<ul> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch</li> </ul>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415				
<ul> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)				
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: 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)				
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: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)				
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: 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				
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: 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				
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: 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				
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: 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				
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	<ul> <li>gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)</li> <li>gG: 10 A (500 V, 1 kA)</li> <li>with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back</li> <li>screw fixing</li> <li>Yes</li> <li>210 mm</li> </ul>				
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: 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				
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: 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				
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: 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				
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         • with side-by-side mounting	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				
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: 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				
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: 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				
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         — upwards         — at the side	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 10 mm				
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         — at the side         • for grounded parts	<ul> <li>gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)</li> <li>gG: 10 A (500 V, 1 kA)</li> <li>with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back</li> <li>screw fixing</li> <li>Yes</li> <li>210 mm</li> <li>145 mm</li> <li>202 mm</li> <li>20 mm</li> <li>10 mm</li> <li>0 mm</li> <li>0 mm</li> </ul>				
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         — at the side         • for grounded parts         — forwards	<ul> <li>gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)</li> <li>gG: 10 A (500 V, 1 kA)</li> <li>with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back</li> <li>screw fixing</li> <li>Yes</li> <li>210 mm</li> <li>145 mm</li> <li>202 mm</li> <li>10 mm</li> <li>10 mm</li> <li>0 mm</li> <li>20 mm</li> </ul>				
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         — at the side         • for grounded parts         — upwards	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 0 mm 20 mm 10 mm				
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         — upwards         — at the side	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 10 mm 20 mm 10 mm 10 mm				
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         - downwards         - at the side         - downwards         - upwards         - downwards         - at the side         - downwards         - at the side         - downwards         - at the side         - downwards	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 0 mm 20 mm 10 mm				
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         — downwards         — at the side         — downwards         — at the side         — downwards         — other side         — for live parts	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 0 mm 20 mm 10 mm 10 mm 10 mm 10 mm				
design of the fuse link         • for short-circuit protection of the main circuit         - 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         - downwards         - at the side         • for live parts         - downwards         - at the side         - forwards	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 10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 20 mm				
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         — downwards         — at the side         — downwards         — at the side         — downwards         — other side         — for live parts	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 0 mm 20 mm 10 mm 10 mm 10 mm 10 mm				

— downwards			10 mm				
— at the side			10 mm				
Connections/ Terminals	s						
width of connection b	ar		25 mm				
thickness of connection	on bar		6 mm				
diameter of holes			11 mm				
number of holes			1				
type of electrical conr	nection						
<ul> <li>for main current of</li> </ul>	circuit		Connection bar				
<ul> <li>for auxiliary and of</li> </ul>	control circuit		screw-type terminals				
<ul> <li>at contactor for a</li> </ul>	uxiliary contacts		Screw-type terminals				
<ul> <li>of magnet coil</li> </ul>			Screw-type terminals				
type of connectable c	onductor cross-secti	ons					
<ul> <li>at AWG cables for</li> </ul>	or main contacts		2/0 500 kc	mil			
connectable conducto	or cross-section for r	nain					
contacts							
<ul> <li>stranded</li> </ul>			70 240 mr	m²			
connectable conducto contacts	or cross-section for a	uxiliary					
<ul> <li>solid or stranded</li> </ul>			0.5 4 mm²	2			
<ul> <li>finely stranded with</li> </ul>	ith core end processin	g	0.5 2.5 mr	m²			
type of connectable c	onductor cross-secti	ons					
<ul> <li>for auxiliary containing</li> </ul>	acts						
— solid			2x (0.5 1.5	5 mm²), 2x (0.75	2.5 mm²), max. 2x (	(0.75 4 mm²)	
— solid or strar	nded		2x (0,5 1,5	5 mm²), 2x (0,75	2,5 mm²), max. 2x (	(0,75 4 mm²)	
— finely strand	ed with core end proce	essing	2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )				
at AWG cables for	or auxiliary contacts		2x (20 16)	, 2x (18 14), 1	lx 12		
AWG number as code section	ed connectable condu	uctor cross					
<ul> <li>for auxiliary containing</li> </ul>	acts		18 14				
Safety related data							
product function mirror contact acc. to IEC 60947-4-1 Yes							
-			1 000 000				
	B10 value with high demand rate acc. to SN 31920 product function positively driven operation acc. to IEC						
	protection class IP on the front acc. to IEC 60529			vith box terminal/	/cover		
•	touch protection on the front acc. to IEC 60529			IP00; IP20 with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover			
suitability for use	•						
<ul> <li>safety-related switched</li> </ul>	itching OFF		Yes				
Certificates/ approvals							
General Product App	roval					EMC	
General Product App							
SP.		ሠ		<u>KC</u>	EAC	$\bigotimes$	
CSA	ccc	UL				RCM	
Functional Safety/Safety of Machinery	Test Certificates				Marine / Shipping		
<u>Type Examination</u> <u>S</u> <u>Certificate</u>	<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Cer</u> ates/Test Re		cellaneous	ABS	RMRS R	
Marine / Shipping	other					Railway	



Miscellaneous

**Confirmation** 

**Confirmation** 

Miscellaneous

## Further information

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=3RT1064-6AP36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1064-6AP36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-6AP36

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

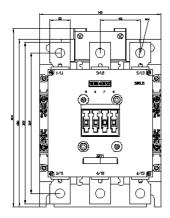
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1064-6AP36&lang=en

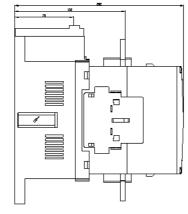
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

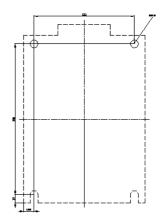
https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-6AP36/char

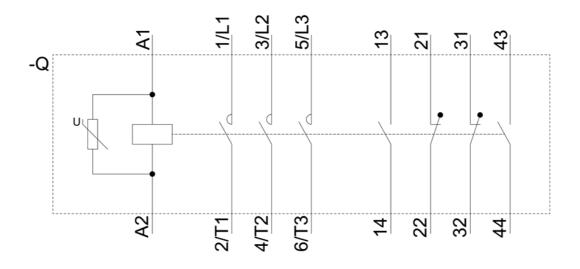
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1064-6AP36&objecttype=14&gridview=view1









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