## SIEMENS

## Data sheet

## 3RT1076-2AP36



Power contactor, AC-3 500 A, 250 kW / 400 V AC (50-60 Hz) / DC 220-240 V UC Auxiliary contacts 2 NO + 2 NC 3-pole, size S12 Busbar connections Operating mechanism: conventional Spring-type terminals

product brand name	SIRIUS	
product designation	Power contactor	
product type designation	3RT1	
General technical data		
size of contactor	S12	
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	165 W	
• per pole	55 W	
power loss [W] for rated value of the current without load current share typical	10 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		
<ul> <li>during operation</li> </ul>	-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	610 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	610 A
— up to 690 V at ambient temperature 60 °C rated value	550 A
— up to 1000 V at ambient temperature 40 °C rated value	200 A
<ul> <li>up to 1000 V at ambient temperature 60 °C</li> <li>rated value</li> <li>at AC-3</li> </ul>	200 A
	500 A
— at 400 V rated value	500 A
— at 500 V rated value	500 A
— at 690 V rated value	450 A
— at 1000 V rated value	180 A
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	430 A
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	536 A
<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	415 A
● at AC-6a	
<ul> <li>— up to 230 V for current peak value n=20 rated value</li> </ul>	414 A
<ul> <li>— up to 400 V for current peak value n=20 rated value</li> </ul>	414 A
<ul> <li>— up to 500 V for current peak value n=20 rated value</li> </ul>	414 A
<ul> <li>— up to 690 V for current peak value n=20 rated value</li> </ul>	414 A
— up to 1000 V for current peak value n=20 rated value	180 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	276 A
— up to 400 V for current peak value n=30 rated value	276 A
— up to 500 V for current peak value n=30 rated value	276 A
— up to 690 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated	276 A 180 A
minimum cross-section in main circuit at maximum AC-1	370 mm <sup>2</sup>
rated value operational current for approx. 200000 operating	
cycles at AC-4	
at 400 V rated value	175 A
• at 690 V rated value	150 A
operational current	
at 1 current path at DC-1	
— at 24 V rated value	400 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
	0.0 A
with 2 current paths in series at DC-1	400 A
— at 24 V rated value	400 A

— at 110 V rated value			
	400 A		
— at 220 V rated value	400 A		
— at 440 V rated value	4 A		
— at 600 V rated value	2 A		
<ul> <li>with 3 current paths in series at DC-1</li> </ul>			
— at 24 V rated value	400 A		
— at 110 V rated value	400 A		
— at 220 V rated value	400 A		
— at 440 V rated value	11 A		
— at 600 V rated value	5.2 A		
operational current			
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>			
— at 24 V rated value	400 A		
— at 110 V rated value	3 A		
— at 220 V rated value	0.6 A		
— at 440 V rated value	0.18 A		
— at 600 V rated value	0.125 A		
• with 2 current paths in series at DC-3 at DC-5			
— at 24 V rated value	400 A		
— at 110 V rated value	400 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	400 A		
— at 110 V rated value	400 A		
— at 220 V rated value	400 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	160 kW		
— at 400 V rated value	250 kW		
— at 500 V rated value	315 kW		
— at 690 V rated value	400 kW		
— at 1000 V rated value	250 kW		
operating power for approx. 200000 operating cycles at AC-4			
• at 400 V rated value	98 kW		
<ul><li>at 400 V rated value</li><li>at 690 V rated value</li></ul>	98 kW 148 kW		
<ul> <li>at 690 V rated value</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=20 rated value</li> </ul>			
<ul> <li>at 690 V rated value</li> <li>operating apparent power at AC-6a</li> <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> </ul>	148 kW		
<ul> <li>at 690 V rated value</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	148 kW 160 000 kV·A		
<ul> <li>at 690 V rated value</li> <li>operating apparent power at AC-6a</li> <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> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	148 kW 160 000 kV·A 280 000 V·A 350 000 V·A 490 000 V·A		
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<ul> <li>at 690 V rated value</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> <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> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>up to 400 °C</li> <li>limited to 1 s switching at zero current maximum</li> </ul> </li> </ul>	148 kW 160 000 kV·A 280 000 V·A 350 000 V·A 490 000 V·A 310 000 V·A 110 000 V·A 230 000 V·A 330 000 V·A 310 000 V·A 310 000 V·A		

<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	3 765 A; Use minimum cross-section acc. to AC-1 rated value		
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	2 887 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	500 1/h		
• at AC-2 maximum	170 1/h		
• at AC-3 maximum	420 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	Acide		
at 50 Hz rated value	220 240 V		
at 50 Hz rated value	220 240 V 220 240 V		
	220 240 V		
control supply voltage at DC	220 240.14		
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	830 V·A		
• at 60 Hz	830 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	9.2 V·A		
• at 60 Hz	9.2 V·A		
inductive power factor with the holding power of the	3.2 V A		
coil			
● at 50 Hz	0.9		
• at 60 Hz	0.9		
closing power of magnet coil at DC	920 W		
holding power of magnet coil at DC	10 W		
closing delay			
• at AC	45 100 ms		
• at DC	45 100 ms		
opening delay			
• at AC	60 100 ms		
• at DC	60 100 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			
• 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		
<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	1A		
at 600 V rated value	0.15 A		
operational current at DC-13			
at 24 V rated value	10.4		
	10 A		
• at 48 V rated value	2 A 2 A		
at 60 V rated value	2 A		
• at 110 V rated value	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		
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	477 A		
<ul> <li>at 600 V rated value</li> </ul>	472 A		
yielded mechanical performance [hp]	-		
• for 3-phase AC motor			
— at 200/208 V rated value	150 hp		
— at 220/230 V rated value			
— at 460/480 V rated value	200 hp		
— at 575/600 V rated value	400 hp		
	500 hp		
contact rating of auxiliary contacts according to UL	A600 / Q600		
Short-circuit protection			
design of the fuse link			
design of the fuse link • for short-circuit protection of the main circuit			
design of the fuse link	gG: 630 A (690 V, 100 kA)		
design of the fuse link • for short-circuit protection of the main circuit	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) gG: 10 A (500 V, 1 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 required</li> </ul>	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting		
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), aM: 500 A (690 V, 50 kA), BS88: 500 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	<ul> <li>gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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> </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	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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>214 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	<ul> <li>gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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>214 mm</li> <li>160 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	<ul> <li>gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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>214 mm</li> <li>160 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	<ul> <li>gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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>214 mm</li> <li>160 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	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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 214 mm 160 mm 225 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: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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 214 mm 160 mm 225 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	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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 214 mm 160 mm 225 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         — at the side	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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 214 mm 160 mm 225 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	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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 214 mm 160 mm 225 mm 20 mm 10 mm 0 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         - forwards	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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 214 mm 160 mm 225 mm 20 mm 10 mm 0 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         — at the side         • for grounded parts         — upwards         — upwards         — upwards         — upwards         — upwards	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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 214 mm 160 mm 225 mm 20 mm 10 mm 0 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         — upwards         — at the side	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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 214 mm 160 mm 225 mm 20 mm 10 mm 0 mm 20 mm 10 mm		
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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: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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 214 mm 160 mm 225 mm 20 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         - upwards         - downwards         - at the side         - downwards         - at the side         - downwards         - at the side         - downwards	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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 214 mm 160 mm 225 mm 20 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: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 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         214 mm         160 mm         225 mm         20 mm         10 mm         0 mm         10 mm         10 mm         10 mm         10 mm         10 mm         10 mm         20 mm		

— downwards	10 mm		
— at the side	10 mm		
Connections/ Terminals			
width of connection bar	25 mm		
thickness of connection bar	6 mm		
diameter of holes	11 mm		
number of holes	1		
type of electrical connection			
for main current circuit	Connection bar		
for auxiliary and control circuit			
at contactor for auxiliary contacts	spring-loaded terminals Spring-type terminals		
of magnet coil	Spring-type terminals		
type of connectable conductor cross-sections	opinig-type terminals		
at AWG cables for main contacts	2/0 500 kcmil		
connectable conductor cross-section for main			
contacts			
• stranded	70 240 mm²		
connectable conductor cross-section for auxiliary contacts			
<ul> <li>solid or stranded</li> </ul>	0.25 2.5 mm²		
<ul> <li>finely stranded with core end processing</li> </ul>	0.25 1.5 mm²		
<ul> <li>finely stranded without core end processing</li> </ul>	0.25 2.5 mm²		
type of connectable conductor cross-sections			
<ul> <li>for auxiliary contacts</li> </ul>			
— solid	2x (0.25 2.5 mm²)		
— solid or stranded	2x (0,25 2,5 mm <sup>2</sup> )		
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.25 1.5 mm²)		
<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.25 2.5 mm²)		
<ul> <li>at AWG cables for auxiliary contacts</li> </ul>	2x (24 14)		
AWG number as coded connectable conductor cross			
section	04 44		
for auxiliary contacts Safety related data	24 14		
	Vec		
product function mirror contact acc. to IEC 60947-4-1	Yes		
B10 value with high demand rate acc. to SN 31920	1 000 000		
product function positively driven operation acc. to IEC 60947-5-1	No		
protection class IP on the front acc. to IEC 60529	IP00; IP20 with box terminal/cover		
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover		
suitability for use			
<ul> <li>safety-related switching OFF</li> </ul>	Yes		
Certificates/ approvals			
General Product Approval	EMC	Functional Safety/Safety of Machinery	
		<u>Type Examination</u> <u>Certificate</u>	
Test Certificates Marine / Ship	ping other		
Type Test Certific- ates/Test Report       Special Test Certific- ate       Special Test Certific- ate         Abs       Abs	Miscellaneous RMRS	Confirmation	

## Railway

**Confirmation** 

**Miscellaneous** 

Special Test Certificate

**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=3RT1076-2AP36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1076-2AP36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-2AP36

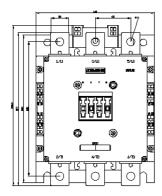
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

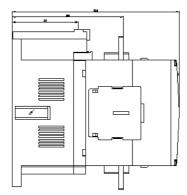
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1076-2AP36&lang=en

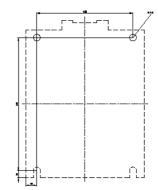
Characteristic: Tripping characteristics, I2t, Let-through current

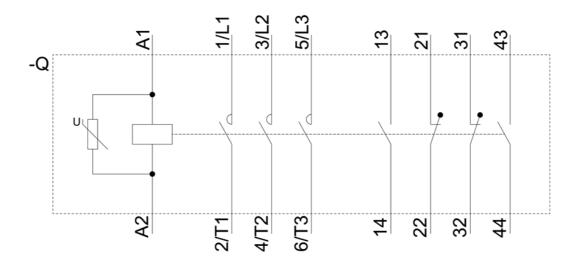
https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-2AP36/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1076-2AP36&objecttype=14&gridview=view1









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