## SIEMENS

## Data sheet

## 3RT2035-1NB30



power contactor, AC-3e/AC-3, 41 A, 18.5 kW / 400 V, 3-pole, 20-33 V AC/DC, 50/60 Hz, with integrated varistor, auxiliary contacts: 1 NO + 1 NC, screw terminal

1013	
product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S2
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>	6.6 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	2.2 W
<ul> <li>without load current share typical</li> </ul>	2 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	690 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	6 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	400 V
shock resistance at rectangular impulse	
• at AC	7.7g / 5 ms, 4.5g / 10 ms
• at DC	7.7g / 5 ms, 4.5g / 10 ms
shock resistance with sine pulse	
• at AC	12g / 5 ms, 7g / 10 ms
• at DC	12g / 5 ms, 7g / 10 ms
mechanical service life (operating 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 according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2014
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
<ul> <li>during storage</li> </ul>	-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>	690 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated value	60 A
<ul> <li>at AC-1         <ul> <li>up to 690 V at ambient temperature 40 °C</li> <li>rated value</li> </ul> </li> </ul>	60 A
— up to 690 V at ambient temperature 60 °C rated value	55 A
• at AC-3	
— at 400 V rated value	41 A
— at 500 V rated value	41 A
— at 690 V rated value	24 A
• at AC-3e	
— at 400 V rated value	41 A
— at 500 V rated value	41 A
— at 690 V rated value	24 A
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	35 A
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	52.8 A
<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	33.2 A
• at AC-6a	
<ul> <li>— up to 230 V for current peak value n=20 rated value</li> </ul>	36.5 A
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	36.5 A
— up to 500 V for current peak value n=20 rated value	36.5 A
<ul> <li>— up to 690 V for current peak value n=20 rated value</li> <li>at AC-6a</li> </ul>	24 A
<ul> <li>at AC-ba</li> <li>— up to 230 V for current peak value n=30 rated value</li> </ul>	24.2 A
— up to 400 V for current peak value n=30 rated value	24.2 A
— up to 500 V for current peak value n=30 rated value	24.2 A
— up to 690 V for current peak value n=30 rated value	24 A
minimum cross-section in main circuit at maximum AC-1 rated value	16 mm <sup>2</sup>
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	22 A
<ul> <li>at 690 V rated value</li> </ul>	18.5 A
operational current	
<ul> <li>at 1 current path at DC-1</li> </ul>	
— at 24 V rated value	55 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	55 A
— at 110 V rated value	45 A
— at 220 V rated value	5 A
— at 440 V rated value	1A
— at 600 V rated value	0.8 A
• with 3 current paths in series at DC-1	
— at 24 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	45 A

Ľ

— at 440 V rated value	2.9 A			
— at 600 V rated value	1.4 A			
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>				
— at 24 V rated value	35 A			
— at 220 V rated value	1 A			
— at 440 V rated value	0.1 A			
— at 600 V rated value	0.06 A			
• with 2 current paths in series at DC-3 at DC-5				
— at 24 V rated value	55 A			
— at 110 V rated value	25 A			
— at 220 V rated value	5 A			
— at 440 V rated value	0.27 A			
— at 600 V rated value	0.16 A			
<ul> <li>with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value</li> </ul>	55 A			
— at 110 V rated value	55 A			
— at 220 V rated value	25 A			
— at 440 V rated value	0.6 A			
— at 600 V rated value	0.35 A			
operating power	0.00 A			
• at AC-2 at 400 V rated value	18.5 kW			
• at AC-3				
— at 230 V rated value	11 kW			
— at 400 V rated value	18.5 kW			
— at 500 V rated value	22 kW			
— at 690 V rated value	22 kW			
● at AC-3e				
— at 230 V rated value	11 kW			
— at 400 V rated value	18.5 kW			
— at 500 V rated value	22 kW			
— at 690 V rated value	22 kW			
operating power for approx. 200000 operating cycles at AC-4				
<ul> <li>at 400 V rated value</li> </ul>	11.6 kW			
<ul> <li>at 690 V rated value</li> </ul>	16.8 kW			
operating apparent power at AC-6a				
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	14.5 kVA			
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	25.2 kVA			
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	31.6 kVA			
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	28.6 kVA			
operating apparent power at AC-6a				
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	9.6 kVA			
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	16.8 kVA			
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	21 kVA			
• up to 690 V for current peak value n=30 rated value	28.6 kVA			
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>	843 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	596 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	400 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	241 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	196 A; Use minimum cross-section acc. to AC-1 rated value			
no-load switching frequency				
• at AC	1 500 1/h			
• at DC	1 500 1/h			
operating frequency				
at AC-1 maximum	1 200 1/h			
• at AC-2 maximum	750 1/h			
<ul> <li>at AC-3 maximum</li> </ul>	1 000 1/h			
• at AC-3e maximum	1 000 1/h			
• at AC-4 maximum	300 1/h			
Control circuit/ Control				
type of voltage of the control supply voltage	AC/DC			
control supply voltage at AC				

control supply voltage at AC

<ul> <li>at 50 Hz rated value</li> </ul>	20 33 V				
<ul> <li>at 60 Hz rated value</li> </ul>	20 33 V				
control supply voltage at DC					
<ul> <li>rated value</li> </ul>	20 33 V				
operating range factor control supply voltage rated value of magnet coil at DC					
initial value	0.8				
<ul> <li>full-scale value</li> </ul>	1.1				
operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz	0.8 1.1				
• at 50 Hz	0.8 1.1				
design of the surge suppressor	0.8 1.1 with varistor				
inrush current peak	3 A				
duration of inrush current peak	5Α 50 μs				
locked-rotor current mean value	50 µs 1 A				
locked-rotor current peak	2.6 A				
duration of locked-rotor current	230 ms				
holding current mean value	40 mA				
apparent pick-up power of magnet coil at AC					
• at 50 Hz	40 VA				
• at 60 Hz	40 VA				
apparent holding power of magnet coil at AC					
• at 50 Hz	2 VA				
• at 60 Hz	2 VA				
closing power of magnet coil at DC	23 W				
holding power of magnet coil at DC	1 W				
closing delay					
• at AC	35 110 ms				
• at DC	35 110 ms				
opening delay	00 55				
• at AC	30 55 ms				
• at DC	30 55 ms 10 20 ms				
arcing time	Standard A1 - A2				
control version of the switch operating mechanism					
control version of the switch operating mechanism	Standard AT - Az				
Auxiliary circuit					
Auxiliary circuit number of NC contacts for auxiliary contacts	1				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact					
Auxiliary circuit number of NC contacts for auxiliary contacts	1				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts	1				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15	1 1 10 A				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value	1 1 10 A 10 A				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value	1 1 10 A 10 A 3 A				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value	1 1 10 A 10 A 3 A 2 A				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value	1 1 10 A 10 A 3 A				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12	1 1 10 A 10 A 3 A 2 A 1 A				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 40 V rated value • at 40 V rated value • at 24 V rated value • at 25 V rated value • at 220 V rated value	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 10 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 40 V rated value • at 40 V rated value • at 24 V rated value • at 25 V rated value • at 220 V rated value	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 24 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 40 V rated value • at 40 V rated value • at 40 V rated value • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 24 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 48 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 40 V rated value • at 110 V rated value • at 125 V rated value • at 200 V rated value • at 600 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 6 A 10				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 600 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 48 V rated value • at 125 V rated value • at 600 V rated value • at 600 V rated value • at 210 V rated value	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 10 V rated value • at 125 V rated value • at 220 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 125 V rated value • at 48 V rated value • at 20 V rated value • at 600 V rated value • at 48 V rated value • at 24 V rated value • at 25 V rated value • at 260 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 20 V rated value	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 1 A 10				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 48 V rated value • at 24 V rated value • at 10 V rated value • at 10 V rated value • at 220 V rated value • at 24 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 260 V rated value • at 270 V rated value • at 29 V rated value • at 20 V rated value • at 220 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 24 V rated value • at 48 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value • at 60 V rated value • at 60 V rated value • at 10 V rated value • at 10 V rated value • at 10 V rated value • at 220 V rated value • at 600 V ra	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A				

full-load current (FLA) for 3-phase AC motor			
• at 480 V rated value	40 A		
• at 600 V rated value	41 A		
yielded mechanical performance [hp]			
<ul> <li>for single-phase AC motor</li> </ul>			
— at 110/120 V rated value	3 hp		
— at 230 V rated value	7.5 hp		
<ul> <li>for 3-phase AC motor</li> </ul>			
— at 200/208 V rated value	10 hp		
— at 220/230 V rated value	15 hp		
— at 460/480 V rated value	30 hp		
— at 575/600 V rated value	40 hp		
contact rating of auxiliary contacts according to UL	A600 / P600		
Short-circuit protection			
design of the fuse link			
<ul> <li>for short-circuit protection of the main circuit</li> </ul>			
<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415		
with two of opping and 0 required	V, 80 kA)		
<ul> <li>— with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch</li> </ul>	gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA) gG: 10 A (500 V, 1 kA)		
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	90. 10 A (000 V, 1 KA)		
Installation/ mounting/ dimensions			
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted		
	forward and backward by +/- 22.5° on vertical mounting surface		
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
<ul> <li>side-by-side mounting</li> </ul>	Yes		
height	114 mm		
width	55 mm		
depth	130 mm		
required spacing			
<ul> <li>with side-by-side mounting</li> </ul>			
— forwards	10 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	0 mm		
<ul> <li>for grounded parts</li> </ul>			
— forwards	10 mm		
— upwards	10 mm		
— at the side	6 mm		
— downwards	10 mm		
for live parts	10		
— forwards	10 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	6 mm		
Connections/ Terminals			
type of electrical connection • for main current circuit	screw-type terminals		
for auxiliary and control circuit	screw-type terminals		
at contactor for auxiliary contacts	Screw-type terminals		
of magnet coil	Screw-type terminals		
type of connectable conductor cross-sections			
for main contacts			
— solid or stranded	2x (1 35 mm²), 1x (1 50 mm²)		
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> )		
<ul> <li>at AWG cables for main contacts</li> </ul>	2x (1 2) finit ), 1x (1 3) finit ) 2x (18 2), 1x (18 1)		
connectable conductor cross-section for main contacts			
<ul> <li>finely stranded with core end processing</li> </ul>	1 35 mm²		
connectable conductor cross-section for auxiliary contacts			
solid or stranded	0.5 2.5 mm²		
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm <sup>2</sup>		

<ul> <li>type of connectable conductor cross-sec</li> <li>for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end pro</li> <li>at AWG cables for auxiliary contacts</li> </ul> </li> <li>AWG number as coded connectable contacts</li> </ul>	ocessing	2x (0.5 1.5 mm²), 2x (0.75 2x (0.5 1.5 mm²), 2x (0.75 2x (20 16), 2x (18 14)				
section						
• for main contacts		18 1				
<ul> <li>for auxiliary contacts</li> </ul>		20 14				
Safety related data						
product function						
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>		Yes				
<ul> <li>positively driven operation according to IEC 60947- 5-1</li> </ul>		No				
B10 value with high demand rate according	to SN 31920	1 000 000				
proportion of dangerous failures	10 011 01020	1000000				
<ul> <li>with low demand rate according to SN</li> </ul>	31920	40 %				
<ul> <li>with high demand rate according to S</li> </ul>		73 %				
failure rate [FIT] with low demand rate acco 31920		100 FIT				
T1 value for proof test interval or service life IEC 61508	e according to	20 a				
protection class IP on the front accordin 60529	g to IEC	IP20				
	uch protection on the front according to IEC 60529 fin		finger-safe, for vertical contact from the front			
<ul> <li>safety-related switching OFF</li> </ul>		Yes				
Certificates/ approvals						
General Product Approval						
	Confirmatio		<u>Miscellaneous</u>	KC		
General Product EMC Approval	Functional Safety/Safety Machinery	of Declaration of Conf	ormity	Test Certificates		
	<u>Type Examina</u> Certificate		CE EG-Konf.	<u>Special Test Certific-</u> <u>ate</u>		
Test Certificates Marine / Shipping						
Type Test Certific- ates/Test Report	BUREAU		Lloyd's Register us	PRS		
Marine / Shipping	other		Railway	Dangerous Good		
	<u>Confirmatic</u>	on <u>Confirmation</u>	Vibration and Shock	<u>Transport Informa-</u> tion		
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=3RT2035-1NB30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2035-1NB30

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2035-1NB30

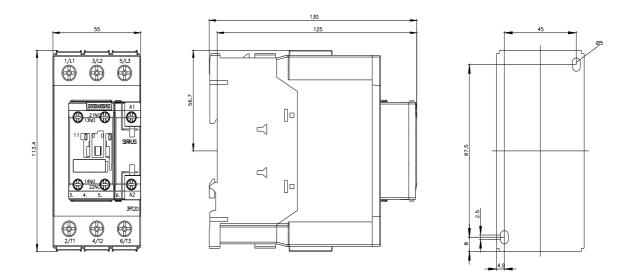
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

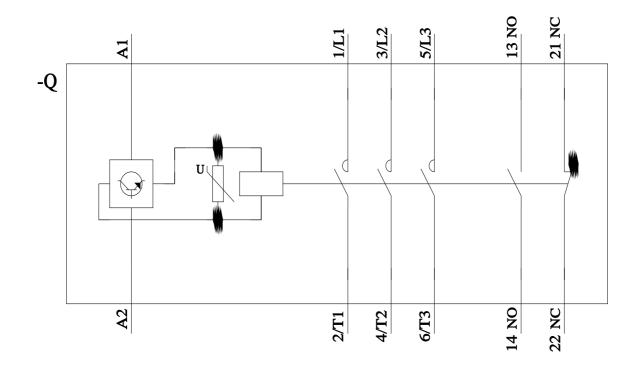
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2035-1NB30&lang=en

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2035-1NB30/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2035-1NB30&objecttype=14&gridview=view1





last modified:

11/21/2022 🖸