## SIEMENS

## Data sheet

## 3RT2035-1CP04



power contactor, AC-3 40 A, 18.5 kW / 400 V 2 NO + 2 NC, 230 V AC 50 Hz, 3-pole, Size S2, screw terminal integrated varistor

· · · · ·				
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			
auxiliary switch	No			
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>	16 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	9.8g / 5 ms, 6.5g / 10 ms			
shock resistance with sine pulse				
• at AC	15.3g / 5 ms, 10.1g / 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 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				
during operation	-25 +60 °C			
during storage	-55 +80 °C			
relative humidity minimum	10 %			
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %			

Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	60 A
• at AC-1	
<ul> <li>— up to 690 V at ambient temperature 40 °C rated value</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
<ul> <li>— up to 500 V for current peak value n=20 rated value</li> </ul>	36.5 A
— up to 690 V for current peak value n=20 rated value	24 A
<ul> <li>at AC-6a         <ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul> </li> </ul>	24.2 A
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	24.2 A
<ul> <li>— up to 500 V for current peak value n=30 rated value</li> </ul>	24.2 A
<ul> <li>— up to 690 V for current peak value n=30 rated value</li> </ul>	24 A
minimum cross-section in main circuit at maximum AC-1 rated value	16 mm²
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	22 A
at 690 V rated value	18.5 A
operational current	
• at 1 current path at DC-1	
— 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	1 A
— at 600 V rated value	0.8 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	

— at 24 V rated value	55 A			
— at 110 V rated value	55 A			
— at 220 V rated value	45 A			
— 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 110 V rated value	2.5 A			
— at 220 V rated value	1 A			
— at 440 V rated value	0.1 A			
— at 600 V rated value	0.06 A			
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>				
— 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</li> </ul>				
— at 24 V rated value	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				
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				
• at 400 V rated value	11.6 kW			
• at 690 V rated value	16.8 kW			
operating apparent power at AC-6a				
• up to 230 V for current peak value n=20 rated value	14.5 kVA			
• up to 400 V for current peak value n=20 rated value	25.2 kVA			
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	31.6 kVA			
• up to 690 V for current peak value n=20 rated value	28.6 kVA			
operating apparent power at AC-6a				
• up to 230 V for current peak value n=30 rated value	9.6 kVA			
• up to 400 V for current peak value n=30 rated value	16.8 kVA			
• up to 500 V for current peak value n=30 rated value	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	5 000 1/h			
operating frequency				
• at AC-1 maximum	1 200 1/h			
• at AC-2 maximum	750 1/h			

e at AC 3 maximum	1 000 1/b
<ul> <li>at AC-3 maximum</li> <li>at AC-3e maximum</li> </ul>	1 000 1/h
<ul> <li>at AC-3e maximum</li> <li>at AC-4 maximum</li> </ul>	1 000 1/h 300 1/h
Control circuit/ Control	300 1/11
type of voltage of the control supply voltage	AC
	AC
<ul> <li>control supply voltage at AC</li> <li>at 50 Hz rated value</li> </ul>	230 V
operating range factor control supply voltage rated	230 V
value of magnet coil at AC	
• at 50 Hz	0.8 1.1
design of the surge suppressor	with varistor
apparent pick-up power of magnet coil at AC	
• at 50 Hz	190 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.72
apparent holding power of magnet coil at AC	
• at 50 Hz	16 VA
inductive power factor with the holding power of the	
coil	0.37
• at 50 Hz closing delay	0.07
• at AC	10 80 ms
opening delay	1000116
• at AC	10 18 ms
arcing time	10 20 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts	2
instantaneous contact	2
number of NO contacts for auxiliary contacts instantaneous contact	2
operational current at AC-12 maximum	10 A
operational current at AC-15	
operational current at AC-15 • at 230 V rated value	6 A
<ul> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> </ul>	3 A
<ul> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> </ul>	3 A 2 A
<ul> <li>operational current at AC-15</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>	3 A
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	3 A 2 A 1 A
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	3 A 2 A 1 A 10 A
operational current at AC-15• at 230 V rated value• at 400 V rated value• at 500 V rated value• at 690 V rated valueoperational current at DC-12• at 24 V rated value• at 48 V rated value	3 A 2 A 1 A 10 A 6 A
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	3 A 2 A 1 A 10 A 6 A 6 A
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 410 V rated value	3 A 2 A 1 A 10 A 6 A 6 A 3 A
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	3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A
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 10 V rated value• at 110 V rated value• at 125 V rated value• at 220 V rated value	3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A
operational current at AC-15• at 230 V rated value• at 400 V rated value• at 500 V rated value• at 690 V rated valueoperational 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 220 V rated value• at 600 V rated value• at 600 V rated value	3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A
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 10 V rated value• at 110 V rated value• at 125 V rated value• at 220 V rated value	3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A
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 60 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	3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A
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 60 V rated value         • at 110 V rated value         • at 125 V rated value         • at 220 V rated value         • at 600 V rated value         • at 24 V rated value         • at 125 V rated value         • at 24 V rated value         • at 125 V rated value         • at 24 V rated value         • at 24 V rated value         • at 24 V rated value	3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A
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 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 24 V rated value• at 24 V rated value• at 125 V rated value• at 24 V rated value• at 24 V rated value• at 48 V rated value• at 48 V rated value• at 24 V rated value• at 48 V rated value	3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A
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 60 V rated value• at 110 V rated value• at 220 V rated value• at 220 V rated value• at 48 V rated value• at 24 V rated value• at 460 V rated value• at 24 V rated value• at 24 V rated value• at 600 V rated value• at 600 V rated value• at 24 V rated value• at 24 V rated value• at 600 V rated value• at 48 V rated value• at 48 V rated value• at 48 V rated value• at 60 V rated value	3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A
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 60 V rated value• at 110 V rated value• at 220 V rated value• at 600 V rated value• at 100 V rated value• at 100 V rated value• at 24 V rated value• at 24 V rated value• at 24 V rated value• at 10 V rated value• at 10 V rated value• at 60 V rated value• at 10 V rated value	3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 1 A
operational current at AC-15• 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 24 V rated value• 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 220 V rated value• at 600 V rated value• at 600 V rated value• at 125 V rated value• at 600 V rated value• at 125 V rated value• at 100 V rated value• at 24 V rated value• at 24 V rated value• at 148 V rated value• at 110 V rated value• at 125 V rated value	3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A
operational current at AC-15• 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 24 V rated value• 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 600 V rated value• at 24 V rated value• at 125 V rated value• at 24 V rated value• at 600 V rated value• at 600 V rated value• at 24 V rated value• at 22 V rated value• at 22 V rated value• at 125 V rated value• at 220 V rated value• at 220 V rated value	3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A 0.3 A
operational current at AC-15• 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 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• at 125 V rated value• at 220 V rated value• at 220 V rated value• at 600 V rated value• at 600 V rated value• at 24 V rated value• at 25 V rated value• at 24 V rated value• at 22 V rated value• at 60 V rated value• at 125 V rated value• at 125 V rated value• at 220 V rated value• at 600 V rated value• at 600 V rated value	3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A
operational current at AC-15• 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 690 V rated value• 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 24 V rated value• at 125 V rated value• at 24 V rated value• at 600 V rated value• at 600 V rated value• at 24 V rated value• at 60 V rated value• at 60 V rated value• at 10 V rated value• at 125 V rated value• at 60 V rated value• at 600 V rated value	3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A
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 24 V rated value         • at 48 V rated value         • at 60 V rated value         • at 110 V rated value         • at 220 V rated value         • at 220 V rated value         • at 600 V rated value         • at 600 V rated value         • at 600 V rated value         • at 220 V rated value         • at 600 V rated value         • at 220 V rated value         • at 220 V rated value         • at 600 V rated value         • at 24 V rated value         • at 24 V rated value         • at 25 V rated value         • at 10 V rated value         • at 110 V rated value         • at 125 V rated value         • at 220 V rated value         • at 600 V rated valu	3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A
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 48 V rated value         • at 10 V rated value         • at 110 V rated value         • at 220 V rated value         • at 220 V rated value         • at 600 V rated value         • at 220 V rated value         • at 600 V rated value         • at 220 V rated value         • at 600 V rated value         • at 220 V rated value         • at 220 V rated value         • at 24 V rated value         • at 25 V rated value         • at 100 V rated value         • at 220 V rated value         • at 220 V rated value         • at 600 V rated value	3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA)
operational current at AC-15• 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 690 V rated value• at 24 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 220 V rated value• at 600 V rated value• at 24 V rated value• at 600 V rated value• at 600 V rated value• at 24 V rated value• at 24 V rated value• at 25 V rated value• at 20 V rated value• at 24 V rated value• at 60 V rated value• at 60 V rated value• at 220 V rated value• at 600 V rated value	3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 40 A
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 24 V rated value         • at 24 V rated value         • at 24 V rated value         • at 48 V rated value         • at 10 V rated value         • at 110 V rated value         • at 220 V rated value         • at 600 V rated value         • at 220 V rated value         • at 24 V rated value         • at 220 V rated value         • at 600 V rated value         • at 600 V rated value         • at 220 V rated value         • at 48 V rated value         • at 24 V rated value         • at 25 V rated value         • at 20 V rated value         • at 10 V rated value         • at 125 V rated value         • at 125 V rated value         • at 600 V rated value         • at 480 V rated value         • at 480 V rated value         • at 600 V rated value <td>3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 40 A</td>	3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 40 A
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 24 V rated value         • at 48 V rated value         • at 48 V rated value         • at 400 V rated value         • at 24 V rated value         • at 10 V rated value         • at 110 V rated value         • at 220 V rated value         • at 220 V rated value         • at 24 V rated value         • at 600 V rated value         • at 220 V rated value         • at 24 V rated value         • at 24 V rated value         • at 24 V rated value         • at 48 V rated value         • at 24 V rated value         • at 60 V rated value         • at 110 V rated value         • at 125 V rated value         • at 220 V rated value         • at 600 V rated value         • at 480 V rated value         • at 600 V rated value	3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 40 A

at 220 V rated value	7.5 hp			
— at 230 V rated value	7.5 hp			
for 3-phase AC motor     at 200/200 V rated value	10 hr			
— at 200/208 V rated value — at 220/230 V rated value	10 hp			
	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 / Q600			
Short-circuit protection				
design of the fuse link				
<ul> <li>for short-circuit protection of the main circuit</li> </ul>	-0: 400 A (000 )/ 400 LA) -NA 00 A (000 )/ 400 LA) D000, 405 A (445			
<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 V, 80 kA)			
<ul> <li>— with type of assignment 2 required</li> </ul>	gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA)			
<ul> <li>for short-circuit protection of the auxiliary switch</li> </ul>	gG: 10 A (500 V, 1 kA)			
required				
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 standard mounting rail according to DIN EN 60715			
<ul> <li>side-by-side mounting</li> </ul>	Yes			
height	114 mm			
width	55 mm			
depth	174 mm			
required spacing				
with side-by-side mounting				
— 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			
<ul> <li>for live parts</li> </ul>				
— 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			
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals			
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals			
● of magnet coil	Screw-type terminals			
type of connectable conductor cross-sections				
<ul> <li>for main contacts</li> </ul>				
— solid or stranded	2x (1 35 mm²), 1x (1 50 mm²)			
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1 25 mm²), 1x (1 35 mm²)			
<ul> <li>at AWG cables for main contacts</li> </ul>	2x (18 2), 1x (18 1)			
connectable conductor cross-section for main				
<ul> <li>contacts</li> <li>finely stranded with core end processing</li> </ul>	1 35 mm²			
connectable conductor cross-section for auxiliary				
contacts				
<ul> <li>solid or stranded</li> </ul>	0.5 2.5 mm²			
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²			
type of connectable conductor cross-sections				
<ul> <li>for auxiliary contacts</li> </ul>				
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)			

	nded with core end proc for auxiliary contacts			5 1.5 mm²), 2x (0.75 2.5 mm²) 16), 2x (18 14)		
	ded connectable cond	uctor cross		0		
for main contacts     for auxiliary contacts			18 1 20 14			
Safety related data						
product function						
	econding to IEC COO47	4.4	Vaa			
	according to IEC 60947-		Yes			
5-1	n operation according to		No			
-	emand rate according t	o SN 31920	1 000 000			
proportion of dange	proportion of dangerous failures					
<ul> <li>with low deman</li> </ul>	id rate according to SN	31920	40 %			
<ul> <li>with high dema</li> </ul>	nd rate according to SN	I 31920	73 %			
failure rate [FIT] with 31920	low demand rate accord	ding to SN	100 FIT			
T1 value for proof tes IEC 61508	t interval or service life	according to	20 y			
protection class IP of 60529	on the front according	to IEC	IP20			
touch protection on	the front according to	DIEC 60529	finger-safe, for ver	tical contact from the front		
suitability for use	<b>5</b> **					
<ul> <li>safety-related s</li> </ul>	witching OFF		Yes			
Certificates/ approval	-					
General Product Ap						
CSA	ccc				נחנ	
EMC	Functional Safety/Safety of Machinery	Declaration of	of Conformity	Test Certificates		
RCM	<u>Type Examination</u> <u>Certificate</u>		EG-Korr	<u>Type Test Certific-</u> ates/Test Report	Special Test Certific- ate	
Marine / Shipping						
ABS	BUREAU		Lloyc Regist us	ts PRS	RINA	
Marine / Shipping	other		Railway	Dangerous Good		
RMRS R	<u>Confirmation</u>	<u>Confirmation</u>	on <u>Vibration an</u>	<u>d Shock Transport Informa-</u> tion		
Further information						
Information- and Do https://www.siemens.	wnloadcenter (Catalog com/ic10	gs, Brochures,	)			
Industry Mall (Online						

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2035-1CP04 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2035-1CP04 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2035-1CP04 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2035-1CP04&lang=en Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2035-1CP04/char Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2035-1CP04&objecttype=14&gridview=view1

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