## **SIEMENS**

Data sheet 3RT1065-2NB36



power contactor, AC-3 265 A, 132 kW / 400 V AC (50-60 Hz) / DC operation 21-27 AC/DC, 3 V auxiliary contacts 2 NO + 2 NC 3-pole, frame size S10 busbar connections drive: electronic with PLC interface 24 V DC spring-loaded terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
Seneral 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	
<ul> <li>at AC in hot operating state</li> </ul>	54 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	18 W
<ul> <li>without load current share typical</li> </ul>	3.4 W
insulation voltage	
• of main circuit with degree of pollution 3 rated value	1 000 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	500 V
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 according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (switching cycles)	
of contactor typical	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
mbient 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 %
lain circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	3
at AC-3 rated value maximum	1 000 V
at AC-3 rated value maximum     at AC-3e rated value maximum	1 000 V
operational current	1 000 V
• at AC-1 at 400 V at ambient temperature 40 °C	330 A
rated value	000 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C	330 A
rated value	
— up to 690 V at ambient temperature 60 °C	300 A
rated value	
— up to 1000 V at ambient temperature 40 °C	150 A
rated value — up to 1000 V at ambient temperature 60 °C	150 A
rated value	100 Λ
• at AC-3	
— at 400 V rated value	265 A
— at 500 V rated value	265 A
— at 690 V rated value	265 A
— at 1000 V rated value	95 A
• at AC-3e	
— at 400 V rated value	265 A
— at 500 V rated value	265 A
— at 1000 V rated value	95 A
at AC-4 at 400 V rated value	230 A
at AC-5a up to 690 V rated value	290 A
at AC-5b up to 400 V rated value	219 A
• at AC-6a	210 A
— up to 230 V for current peak value n=20 rated	265 A
value	200 A
— up to 400 V for current peak value n=20 rated	265 A
value	
— up to 500 V for current peak value n=20 rated	265 A
value	207.4
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	265 A
— up to 1000 V for current peak value n=20 rated	95 A
value	00 N
• at AC-6a	
— up to 230 V for current peak value n=30 rated	184 A
value	
— up to 400 V for current peak value n=30 rated	184 A
value	
— up to 500 V for current peak value n=30 rated	184 A
value	19.4 Λ
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	184 A
— up to 1000 V for current peak value n=30 rated	95 A
value	
minimum cross-section in main circuit at maximum AC-1	185 mm²
rated value	
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	117 A
at 690 V rated value     at 690 V rated value	105 A
	100 Λ
operational current	
at 1 current path at DC-1     at 241/ rated value.	200 A
— at 24 V rated value	300 A

with 2 current paths in series at DC-1		
		0.6 A
	·	000.4
with 3 current paths in series at DC-1		
at 24 V rated value 300 A 3		2 A
at 110 V rated value	•	
- at 600 V rated value		
- at 12 V rated value 300 A 30		
		5.2 A
	•	
at 440 V rated value at 600 V rated value at 600 V rated value at 100 V rated value at 110 V rated value at 120 V rated value at 120 V rated value at 25 V rated value at 26 V rated value at 27 V rated value at 28 V rated value at 100 V rated value at 20 V rated value at 20 V rated value at 20 V rated value -		
with 2 current paths in series at DC-3 at DC-5     — at 24 V rated value 300 A     — at 110 V rated value 2.5 A     — at 220 V rated value 2.5 A     — at 40 V rated value 0.65 A     — at 600 V rated value 0.65 A     — at 600 V rated value 0.65 A     — at 600 V rated value 300 A     — at 600 V rated value 300 A     — at 110 V rated value 300 A     — at 110 V rated value 300 A     — at 110 V rated value 300 A     — at 220 V rated value 300 A     — at 220 V rated value 300 A     — at 220 V rated value 300 A     — at 230 V rated value 1.4 A     — at 600 V rated value 7.5 kW     — at 400 V rated value 1.8 kW     — at 400 V rated value 1.8 kW     — at 699 V rated value 1.9 kW     — at 699 V rated value 1.9 kW     — at 400 V rated value 1.9 kW     — at 690 V rated value 1.9 kW     — at 690 V rated value 1.9 kW     — at 690 V rated value 1.0 kW     — at 690 V rated value 1.0 kW     — at 1000 V rated value 1.0 kW     — at 1000 V rated value 1.0 kW     — at 1000 V rated value 1.0 kW     — at 200 V for current peak value n=20 rated value 1.0 kW     — at 500 V for current peak value n=20 rated value 1.0 kW     — at 500 V for current peak value n=20 rated value 1.0 kW     — at 1000 V for current peak value n=20 rated value 1.0 kW     — at 600 V for current peak value n=20 rated value 1.0 kW     — at 600 V for current peak value n=20 rated value 1.0 kW     — at 600 V for current peak value n=20 rated value 1.0 kW     — at 600 V for current peak value n=20 rated value 1.0 kW     — at 600 V for current peak value n=20 rated value 1.0 kW     — at 600 V for current peak value n=30 rated value 1.0 kW     — at 600 V for curr		
• with 2 current paths in series at DC-3 at DC-5  — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 110 V rated value — at 110 V rated value — at 1220 V rated value — at 1220 V rated value — at 220 V rated value — at 600 V rated value — at 75 kW — at 75		
at 24 V rated value 300 A 3		U.125 A
at 110 V rated value	·	000 4
at 220 V rated value		
- at 440 V rated value		
■ with 3 current paths in series at DC-3 at DC-5     — at 24 V rated value     — at 110 V rated value     — at 220 V rated value     — at 440 V rated value     — at 400 V rated value     — at 600 V rated value     — at 600 V rated value     — at 400 V rated value     — at 600 V rated value     — at 1000 V rated value     — at 1000 V rated value     — at 230 V rated value     — at 400 V rated value     — at 400 V rated value     — at 400 V rated value     — at 500 V rated value     — at 500 V rated value     — at 400 V rated value     — at 500 V rated value     — at 600 V rated value     — at 500 V rated value     — at 1000 V rated value     — at 1000 V rated value     — at 600 V rated value     — at 1000 V rated value     — at 1000 V rated value     — at 500 V		
with 3 current paths in series at DC-3 at DC-5     — at 24 V rated value     — at 110 V rated value     — at 220 V rated value     — at 440 V rated value     — at 600 V rated value     — at 600 V rated value     — at 4230 V rated value     — at 400 V rated value     — at 690 V rated value     — at 690 V rated value     — at 1000 V rated value     — at 230 V rated value     — at 320 V rated value     — at 230 V rated value     — at 1000 V rated value     — at 230 V rated value     — at 320 V rated value     — at 230 V rated value     — at 400 V rated value     — at 400 V rated value     — at 400 V rated value     — at 1000 V rated value     — at 1000 V rated value     — at 660 V rat		
- at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 1.4 A - at 2600 V rated value 0.75 A  operating power  • at AC-3 - at 230 V rated value 152 kW - at 400 V rated value 160 kW - at 400 V rated value 150 kW - at 500 V rated value 150 kW - at 1000 V rated value 150 kW - at 1000 V rated value 152 kW • at AC-3 - at 230 V rated value 152 kW - at 400 V rated value 152 kW • at AC-3e - at 230 V rated value 152 kW • at AC-4 - at 400 V rated value 160 kW - at 1000 V rated value 160 kW - at 400 V rated value 160 kW - at 400 V rated value 160 kW - at 1000 V rated value 160 kW - at 400 V rated value 180 kW - a		0.37 A
- at 110 V rated value 300 A - at 220 V rated value 1.4 A - at 600 V rated value 0.75 A  operating power  • at AC-3  - at 230 V rated value 132 kW - at 600 V rated value 160 kW - at 690 V rated value 250 kW - at 1000 V rated value 250 kW - at 1000 V rated value 132 kW • at AC-3e  - at 230 V rated value 132 kW • at AC-3e - at 230 V rated value 132 kW • at AC-3e - at 230 V rated value 132 kW • at AC-3e - at 230 V rated value 132 kW • at AC-3e - at 230 V rated value 132 kW - at 400 V rated value 132 kW - at 400 V rated value 132 kW  operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 150 kW  operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value 180 000 VA • up to 690 V for current peak value n=20 rated value 180 000 VA • up to 690 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value 180 000 VA • up to 1000 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 230 V for current peak value n=30 rated value 70 000 VA • up to 230 V for current peak value n=30 rated value • 000 VA • up to 230 V for current peak value n=30 rated value 70 000 VA • up to 230 V for current peak value n=30 rated value 70 000 VA	-	200 A
- at 220 V rated value		
- at 440 V rated value		
— at 600 V rated value         0.75 A           operating power              ■ at AC-3             — at 230 V rated value             — at 400 V rated value             — at 690 V rated value             — at 690 V rated value             — at 1000 V rated value             — at 1000 V rated value             — at 230 V rated value             — at 230 V rated value             — at 240 V rated value             — at 240 V rated value             — at 500 V rated value             — at 400 V rated value             — at 500 V rated value             — at 1000 V rated value             — at 500 V rated value             — at 500 V rated value             — at 500 V rated value             — at 1000 V rated value             — at 666 kW             — at 1000 V rated value             — at 690 V ror current peak value n=20 rated value             — up to 500 V for current peak value n=20 rated value             — up to 500 V for current peak value n=20 rated value             — up to 500 V for current peak value n=20 rated value             — up to 230 V for current peak value n=20 rated value             — up to 500 V for current peak value n=20 rated value             — up to 500 V for current peak value n=20 rated value             — up to 230 V for current peak value n=20 rated value             — up to 230 V for current peak value n=20 rated value             — up to 500 V for current peak value n=20 rated value             — up to 230 V for current peak value n=20 rated value             — up to 230 V for current peak value n=20 rated value             — up to 230 V for current peak value n=20 rated value             — up to 230 V for current peak value n=20 rated value             — up to 230 V for current peak value n=20 rated value             — up to 230 V for current peak value n=30 rated va		
• 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 — at 1000 V rated value — at 1000 V rated value  • at AC-3e — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 1000 V rated value  • at 400 V rated value  • at 690 V rated value  • up to 230 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 690 V for current peak value n=20 rated value  • up to 1000 V for current peak value n=20 rated value  • up to 1000 V for current peak value n=20 rated value  • up to 1000 V for current peak value n=20 rated value  • up to 1000 V for current peak value n=20 rated value  • up to 230 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 230 V for current peak value n=30 rated value  • up to 230 V for current peak value n=30 rated value  • up to 230 V for current peak value n=30 rated value  • up to 230 V for current peak value n=30 rated value  • up to 230 V for current peak value n=30 rated value  • up to 230 V for current peak value n=30 rated value		0.75 A
- at 230 V rated value 75 kW - at 400 V rated value 132 kW - at 500 V rated value 250 kW - at 1000 V rated value 132 kW  • at AC-3e - at 230 V rated value 75 kW - at 400 V rated value 132 kW - at 400 V rated value 132 kW - at 500 V rated value 132 kW - at 400 V rated value 132 kW - at 500 V rated value 150 kW - at 1000 V rated value 160 kW - at 1000 V rated value 160 kW - at 400 V rated value 160 kW - at 400 V rated value 102 kW   Operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value 66 kW • at 690 V rated value 102 kW  Operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value 180 000 VA • up to 690 V for current peak value n=20 rated value 180 000 VA • up to 1000 V for current peak value n=20 rated value 180 000 VA  • up to 1000 V for current peak value n=20 rated value 180 000 VA  • up to 1000 V for current peak value n=20 rated value 180 000 VA  • up to 230 V for current peak value n=30 rated value 160 000 VA  • up to 230 V for current peak value n=30 rated value 70 000 VA  • up to 400 V for current peak value n=30 rated value 120 000 VA		
- at 400 V rated value 132 kW - at 500 V rated value 250 kW - at 1000 V rated value 132 kW  • at AC-3e - at 230 V rated value 75 kW - at 400 V rated value 132 kW  • at 400 V rated value 150 kW - at 1000 V rated value 150 kW - at 400 V rated value 150 kW  operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value 66 kW • at 690 V rated value 102 kW  operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value 100 000 kVA • up to 690 V for current peak value n=20 rated value 220 000 VA • up to 690 V for current peak value n=20 rated value 100 000 kVA • up to 1000 V for current peak value n=20 rated value 100 000 VA • up to 230 V for current peak value n=20 rated value 160 000 VA • up to 230 V for current peak value n=20 rated value 160 000 VA • up to 230 V for current peak value n=20 rated value 160 000 VA • up to 230 V for current peak value n=30 rated value 70 000 VA		75 kW
- at 500 V rated value - at 690 V rated value 250 kW - at 1000 V rated value 132 kW  • at AC-3e - at 230 V rated value 75 kW - at 400 V rated value 132 kW - at 500 V rated value 130 kW - at 1000 V rated value 132 kW - at 1000 V rated value 132 kW  operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • at 690 V rated value • up to 230 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 100 V for current peak value n=20 rated value • up to 100 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value • up to 100 V for current peak value n=20 rated value • up to 100 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value • up to 230 V for current peak value n=30 rated value • up to 230 V for current peak value n=30 rated value • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value		
- at 690 V rated value - at 1000 V rated value 132 kW  • at AC-3e - at 230 V rated value - at 400 V rated value - at 500 V rated value - at 1000 V rated value - at 400 V rated value  operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value • up to 230 V for current peak value n=30 rated value  operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value		
- at 1000 V rated value  • at AC-3e  - at 230 V rated value  - at 400 V rated value  - at 500 V rated value  - at 1000 V rated value  - at 400 V rated value  operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value  • at 690 V rated value  operating apparent power at AC-6a  • up to 230 V for current peak value n=20 rated value  • up to 400 V for current peak value n=20 rated value  • up to 590 V for current peak value n=20 rated value  • up to 690 V for current peak value n=20 rated value  • up to 1000 V for current peak value n=20 rated value  • up to 1000 V for current peak value n=20 rated value  • up to 230 V for current peak value n=20 rated value  • up to 230 V for current peak value n=20 rated value  • up to 230 V for current peak value n=30 rated value  operating apparent power at AC-6a  • up to 230 V for current peak value n=30 rated value  • up to 400 V for current peak value n=30 rated value  100 000 VA  120 000 VA		
<ul> <li>at AC-3e <ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>132 kW</li> <li>at 1500 V rated value</li> <li>160 kW</li> <li>at 1000 V rated value</li> <li>132 kW</li> </ul> </li> <li>operating power for approx. 200000 operating cycles at AC-4 <ul> <li>at 400 V rated value</li> <li>at 66 kW</li> <li>at 690 V rated value</li> <li>102 kW</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> <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>aup to 1000 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>100 000 VA</li> </ul> </li> <li>operating apparent power at AC-6a <ul> <li>up to 230 V for current peak value n=30 rated value</li> <li>100 000 VA</li> </ul> </li> <li>operating apparent power at AC-6a <ul> <li>up to 230 V for current peak value n=30 rated value</li> <li>120 000 VA</li> </ul> </li> </ul>		
- at 230 V rated value - at 400 V rated value - at 500 V rated value - at 1000 V rated value - at 1000 V rated value  operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value		102 M
- at 400 V rated value - at 500 V rated value - at 1000 V rated value 132 kW  operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=30 rated value • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value		75 kW
- at 500 V rated value - at 1000 V rated value 132 kW  operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value • up to 230 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value		
- at 1000 V rated value  operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  oup to 230 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=30 rated value  operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value 120 000 VA		
operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=30 rated value  operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value 100 000 kVA 220 000 VA 310 000 VA 310 000 VA 70 000 VA		
at AC-4  • at 400 V rated value • at 690 V rated value  • at 690 V rated value  operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value  operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value  100 000 kVA  220 000 VA  310 000 VA  160 000 VA  70 000 VA		
at 690 V rated value      operating apparent power at AC-6a     up to 230 V for current peak value n=20 rated value     up to 400 V for current peak value n=20 rated value     up to 500 V for current peak value n=20 rated value     up to 690 V for current peak value n=20 rated value     up to 1000 V for current peak value n=20 rated value     up to 1000 V for current peak value n=20 rated value     operating apparent power at AC-6a     up to 230 V for current peak value n=30 rated value     up to 400 V for current peak value n=30 rated value     102 kW  100 000 kVA  220 000 VA  160 000 VA		
operating apparent power at AC-6a  • up to 230 V for current peak value n=20 rated value  • up to 400 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 690 V for current peak value n=20 rated value  • up to 1000 V for current peak value n=20 rated value  • up to 1000 V for current peak value n=20 rated value  operating apparent power at AC-6a  • up to 230 V for current peak value n=30 rated value  • up to 400 V for current peak value n=30 rated value  100 000 kVA  220 000 VA  160 000 VA  160 000 VA  160 000 VA		
<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>operating apparent power at AC-6a</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>100 000 kVA</li> <li>160 000 VA</li> <li>160</li></ul>		102 kW
<ul> <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>operating apparent power at AC-6a</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>180 000 VA</li> <li>160 000 VA</li> <li>70 000 VA</li> <li>120 000 VA</li> <li>120 000 VA</li> </ul>		
<ul> <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>operating apparent power at AC-6a</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>120 000 VA</li> </ul>		
up to 690 V for current peak value n=20 rated value     up to 1000 V for current peak value n=20 rated value      operating apparent power at AC-6a     up to 230 V for current peak value n=30 rated value     up to 400 V for current peak value n=30 rated value 120 000 VA		
<ul> <li>up to 1000 V for current peak value n=20 rated value</li> <li>operating apparent power at AC-6a</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>120 000 VA</li> </ul>	·	
value  operating apparent power at AC-6a  ● up to 230 V for current peak value n=30 rated value  • up to 400 V for current peak value n=30 rated value  120 000 VA		
<ul> <li>operating apparent power at AC-6a</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>120 000 VA</li> </ul>		160 000 VA
<ul> <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>120 000 VA</li> </ul>		
• up to 400 V for current peak value n=30 rated value 120 000 VA		70 000 VA
<ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>150 000 VA</li> </ul>		150 000 VA

<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	220 000 VA
up to 1000 V for current peak value n=30 rated	160 000 VA
value	
short-time withstand current in cold operating state up to 40 °C	
limited to 1 s switching at zero current maximum	4 880 A; Use minimum cross-section acc. to AC-1 rated value
limited to 1 s switching at zero current maximum     limited to 5 s switching at zero current maximum	4 045 A; Use minimum cross-section acc. to AC-1 rated value
limited to 3 s switching at zero current maximum     limited to 10 s switching at zero current maximum	2 785 A; Use minimum cross-section acc. to AC-1 rated value
limited to 30 s switching at zero current maximum	1 664 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 60 s switching at zero current maximum	1 276 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	1 000 1/h
• at DC	1 000 1/h
operating frequency	
at AC-1 maximum	800 1/h
at AC-2 maximum	300 1/h
<ul> <li>at AC-3 maximum</li> </ul>	700 1/h
<ul> <li>at AC-3e maximum</li> </ul>	700 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	
at 50 Hz rated value	21 27.3 V
• at 60 Hz rated value	21 27.3 V
control supply voltage at DC	
• rated value	21 27.3 V
type of PLC-control input according to IEC 60947-1	Type 2
consumed current at PLC-control input according to	20 mA
IEC 60947-1 maximum	
voltage at PLC-control input rated value	24 V
operating range factor of the voltage at PLC-control	0.8 1.1
input	
operating range factor control supply voltage rated	
value of magnet coil at DC	0.0
• 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
	with varistor
design of the surge suppressor apparent pick-up power of magnet coil at AC	with validu
at 50 Hz	530 VA
• at 50 Hz	530 VA 530 VA
	550 VA
inductive power factor with closing power of the coil	0.0
• at 50 Hz	0.8
• at 60 Hz	0.8
apparent holding power of magnet coil at AC	53/4
• at 50 Hz	5 VA
• at 60 Hz	5 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.5
● at 50 Hz	0.5
	0.5 580 W
closing power of magnet coil at DC	
holding power of magnet coil at DC	3.4 W
closing delay	45 00 00
• at AC	45 80 ms
• at DC	45 80 ms
opening delay	
• at AC	80 100 ms
• at DC	80 100 ms

arcing time	10 15 ms
control version of the switch operating mechanism	PLC-IN or Standard A1 - A2 (adjustable)
Auxiliary circuit	(,,
number of NC contacts for auxiliary contacts 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	
at 230 V rated value	6 A
<ul> <li>at 400 V rated value</li> </ul>	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
<ul> <li>at 220 V rated value</li> </ul>	1 A
at 600 V rated value	0.15 A
operational current at DC-13	
at 24 V rated value	10 A
<ul> <li>at 48 V rated value</li> </ul>	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
<ul> <li>at 600 V rated value</li> </ul>	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	240 A
<ul> <li>at 600 V rated value</li> </ul>	242 A
yielded mechanical performance [hp]	
<ul> <li>for 3-phase AC motor</li> </ul>	
— at 200/208 V rated value	75 hp
— at 220/230 V rated value	100 hp
— at 460/480 V rated value	200 hp
— at 575/600 V rated value	250 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>	
<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 500 A (690 V, 100 kA)
— with type of assignment 2 required	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
fastening method	screw fixing
side-by-side mounting	Yes
side-by-side mounting     height	
height width	Yes 210 mm 145 mm
height width depth	Yes 210 mm
height width depth required spacing	Yes 210 mm 145 mm
height width depth required spacing • with side-by-side mounting	Yes 210 mm 145 mm 202 mm
height width depth required spacing	Yes 210 mm 145 mm

downwards at the side forgrounded parts forwards upwards downwards downwards downwards downwards forwards downwards forwards upwards forwards upwards forwards forwards forwards downwards forwards forwards forwards downwards forwards downwards for man current circuit for audiality and control circuit for main current circuit for for for for main current for		
• for grounded parts  — forwards  — upwards  — at the side  — downwards  • for live parts  — forwards  • for live parts  — forwards  — to worwards  — upwards  — to worwards  — upwards  — to mm  — downwards  — to mm  — other is side  — to mm  — the side  — to main current circuit  • for auxiliary and control circuit  • for auxiliary on the side  — thickness of connection bar  diameter of holes  — thickness of connection bar  diameter of holes  — thickness of connectable conductor cross-sections  • at AVMC achies for main contacts  — side or stranded  • finely stranded with core end processing  — finely stranded with core end processing — finely stranded without core and processing — finely stranded without core and processing — finely stranded without core end processing — finely stranded without core — finely s	— downwards	10 mm
forwards	— at the side	0 mm
- upwards	<ul> <li>for grounded parts</li> </ul>	
- at the side	— forwards	20 mm
- downwards - for live parts - forwards - upwards - upwards - downwards - at the side - downwards - at the side - to mm  Connections/ Terminals  type of electrical connection - for auxiliary and control circuit - of rauxiliary and control circuit - of magnet coil - of connectable conductor cross-sections - of a AWG acables for main contacts - oslid or stranded - onnectable conductor cross-section for main contacts - oslid or stranded - onnectable conductor cross-section for auxiliary contacts - oslid or stranded without core and processing - of newly stranded without core and processing - of newly stranded with core end processing - of newly stranded with core end processing - finely stranded with core end processing - of newly	— upwards	10 mm
• for live parts     — forwards     — upwards     — downwards     — at the side  Connections/ Terminals  type of electrical connection     • for main current circuit     • for auxiliary and control dircuit     • for auxiliary and control dircuit     • for auxiliary and control dircuit     • for main current circuit     • of magnet coil     width of connection bar     diameter of holes	— at the side	10 mm
- forwards - upwards - 10 mm -	— downwards	10 mm
- upwards - downwards - downwa	<ul><li>for live parts</li></ul>	
- downwards - at the side 10 mm 10 mm  Connections/ Terminals  type of electrical connection • for main current circuit • at contactor for auxiliary contacts • of magnet coil width of connection bar thickness of connection bar thickness of connection bar diameter of holes 11 mm  number of holes 11 type of connectable conductor cross-sections • at AVMC cables for main contacts  • stranded • finely stranded without orce end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded without core end processing • at AWG cables for auxiliary contacts  - solid or stranded - solid or	— forwards	20 mm
Connections/ Terminals  type of electrical connection  • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • for auxiliary contacts • of magnet coil • defended terminals • spring-type terminals • spring-type terminals • defended terminals • spring-type terminals • defended terminals • of magnet coil • defended terminals • spring-type terminals • defended terminals • defended terminals • spring-type terminals • defended terminals • defended terminals • spring-type terminals • defended terminale terminals • defended terminals • defended terminals • defended	— upwards	10 mm
type of electrical connection  of for main current circuit  of rauxiliary and control circuit  of rauxiliary contacts  of mm  diameter of holes  11 mm  number of holes  11 mm  number of holes  11 type of connectable conductor cross-sections  of at AWG cables for main contacts  of and connectable conductor cross-section for main contacts  of auxiliary contacts	— downwards	10 mm
type of electrical connection  • for main current circuit  • at contactor for auxiliary and control circuit  • at contactor for auxiliary contacts  • of magnet coil  width of connection bar  thickness of connection bar  diameter of holes  1 thickness of connection bar  diameter of holes  1 the mumber of holes  1 type of connectable conductor cross-sections  • at AWG cables for main contacts  • solid or stranded  • finely stranded with core end processing  • finely stranded with core end processing  • finely stranded with core end processing  • finely stranded without core end processing  • finely stranded without core end processing  • finely stranded without core end processing  • for auxiliary contacts  • solid  AWG number as coded connectable conductor cross-section  • for auxiliary contacts  • solid or stranded  • finely stranded without core end processing  • for auxiliary contacts  • solid  2x (0.25 2.5 mm²  2x (0.25 2.5 mm²)  2x (0.25 2.5 m	— at the side	10 mm
of or main current circuit     of or auxiliary and control circuit     of or auxiliary and control circuit     of magnet coil     of magnet coil     width of connection bar     diameter of holes     number of holes     number of holes     onnectable conductor cross-sections     of at AWG cables for main contacts     ostranded     connectable conductor cross-section for main contacts     ostranded     connectable conductor cross-section for auxiliary contacts     ostranded     connectable conductor cross-section for auxiliary contacts     ostranded     on    connectable conductor cross-section for auxiliary contacts     ostranded     on    connectable conductor cross-sections     of inely stranded with out core end processing     of inely stranded without core end processing     of inely stranded with core conductor cross-sections     of or auxiliary contacts	Connections/ Terminals	
of rauxiliary and control circuit     of magnet coil     of magnet coil     width of connection bar     thickness of connection bar     thickness of connection bar     diameter of holes     number of holes     number of holes     variance of connectable conductor cross-sections     at AWG cables for main contacts     osolid or stranded     finely stranded with core end processing     of nauxiliary contacts     osolid or stranded     onnectable conductor cross-sections     osolid or stranded     finely stranded with core end processing     of nauxiliary contacts     osolid or stranded     osolid or stranded without core end processing     osolid or stranded     osolid or strander     osolid or strander     osolid or strander     osolid or stran	type of electrical connection	
at contactor for auxiliary contacts of magnet coil width of connection bar thickness of connection bar diameter of holes 11 mm number of holes 12 type of connectable conductor cross-sections at AWC cables for main contacts oscinated stranded connectable conductor cross-section for main contacts stranded connectable conductor cross-section for main contacts stranded connectable conductor cross-section for auxiliary contacts stranded stranded with core end processing finely stranded without core end processing stranded without core end processing finely stranded with core end processing stranded with core end processing stranded with core end processing stranded without core end processing stranded with core end proces	for main current circuit	Connection bar
of magnet coil     width of connection bar     thickness of connection bar     diameter of holes     number of holes     11 mm     number of holes     11 mm     number of holes     12 type of connectable conductor cross-sections     • at AWG cables for main contacts     • stranded     connectable conductor cross-section for main contacts     • stranded     connectable conductor cross-section for auxililary contacts     • solid or stranded     • finely stranded with core end processing     • finely stranded without core end processing     • for auxiliary contacts     — solid     — solid or stranded     — finely stranded with core end processing     • at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section     • for auxiliary contacts  AWG number as coded connectable conductor cross section     • for auxiliary contacts  AWG number as coded connectable conductor cross section     • for auxiliary contacts  AWG number as coded connectable conductor cross section     • for auxiliary contacts  AWG number as coded connectable conductor cross section     • for auxiliary contacts  AWG number as coded connectable conductor cross section     • for auxiliary contacts  24 14  Safety related data  product function     • mirror contact according to IEC 60947-4-1     • positively driven operation according to IEC 60947-5-1  B10 value with high demand rate according to IEC 60947-5-1  B10 value with high demand rate according to IEC 60947-5-1  B10 value with high demand rate according to IEC 60947-5-1  B10 value with high demand rate according to IEC 60947-5-1  B10 value with high demand rate according to IEC 60947-60529  suitability for use     • safety-related switching OFF  Yes  Certificates/approvals	<ul> <li>for auxiliary and control circuit</li> </ul>	spring-loaded terminals
width of connection bar thickness of connection bar diameter of holes number of holes 11 mm  number of holes 2/0 500 kcmil	<ul> <li>at contactor for auxiliary contacts</li> </ul>	Spring-type terminals
thickness of connection bar diameter of holes 11 mm 11 mm 11 mm 120	of magnet coil	Spring-type terminals
diameter of holes  number of holes  type of connectable conductor cross-sections  • at AWG cables for main contacts  • stranded  connectable conductor cross-section for auxiliary contacts  • stranded  connectable conductor cross-section for auxiliary contacts  • solid or stranded  • finely stranded with core end processing  • finely stranded without core end processing  • for auxiliary contacts  — solid  — solid or stranded  — solid or stranded  — finely stranded without core end processing  • for auxiliary contacts  — solid  — solid or stranded  — finely stranded without core end processing  • at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section  • for auxiliary contacts  2x (0.25 2.5 mm²)  2x (0.25	width of connection bar	25 mm
number of holes  type of connectable conductor cross-sections  at AWG cables for main contacts  stranded  connectable conductor cross-section for main contacts  stranded  connectable conductor cross-section for auxiliary contacts  solid or stranded  connectable conductor cross-section for auxiliary contacts  solid or stranded definely stranded with core end processing finely stranded without core end processing  finely stranded without core end processing  for auxiliary contacts  solid  solid or stranded  finely stranded with core end processing  finely stranded with core end processing  finely stranded with core end processing  finely stranded without core end processing  finely strande	thickness of connection bar	6 mm
type of connectable conductor cross-sections	diameter of holes	11 mm
• at AWG cables for main contacts  connectable conductor cross-section for main contacts  • stranded  70 240 mm²  connectable conductor cross-section for auxiliary contacts  • solid or stranded  • finely stranded with core end processing  • finely stranded without core end processing  • for auxiliary contacts  - solid  - solid or stranded  - finely stranded without core end processing  • for auxiliary contacts  - solid or stranded  - finely stranded with core end processing  - solid or stranded  - finely stranded with core end processing  - finely stranded with core end processing  - finely stranded without core end processing  - finely stranded with core end processing  - finely stranded with core end processing  - finely stranded with core end processing  - solid or stranded  - finely stranded with core end processing  - solid or strande  - soli	number of holes	1
connectable conductor cross-section for main contacts  • stranded  connectable conductor cross-section for auxiliary contacts  • solid or stranded  • finely stranded with core end processing  • finely stranded without core end processing  • finely stranded without core end processing  • for auxiliary contacts  — solid  — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section  • for auxiliary contacts  AWG number as coded connectable conductor cross section • for auxiliary contacts  24 14  Safety related data  product function • mirror contact according to IEC 60947-5-1  B10 value with high demand rate according to IEC 60947-5-1  B10 value with high demand rate according to IEC 60529  suitability for use • safety-related switching OFF  Yes  Certificates/ approvals	type of connectable conductor cross-sections	
contacts		2/0 500 kcmil
stranded     connectable conductor cross-section for auxiliary contacts     solid or stranded     finely stranded with core end processing     inely stranded without core end processing     inely stranded with core end processing     inely stranded with core end processing     inely stranded with core end processing     inely stranded without processing     inely stranded without core end processing     inely stranded without		
connectable conductor cross-section for auxiliary contacts  • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for auxiliary contacts  - solid - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - finely stranded without core end processing - finely stranded without core end processing - at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section • for auxiliary contacts  AWG number as coded connectable conductor cross section • for auxiliary contacts  24 14  Safety related data  product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1  B10 value with high demand rate according to IEC 60947-5-1  B10 value with high demand rate according to IEC 60529  suitability for use • safety-related switching OFF  Yes  Certificates/ approvals		70 240 mm²
contacts  • solid or stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for auxiliary contacts  - solid - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - finely stranded without core end processing - finely stranded without core end processing - finely stranded without core end processing - at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section • for auxiliary contacts  24 14  Safety related data  product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1  B10 value with high demand rate according to IEC 60529  touch protection on the front according to IEC 60529  suitability for use • safety-related switching OFF  Yes  Certificates/ approvals		70 240 111111
• finely stranded with core end processing     • finely stranded without core end processing     • finely stranded without core end processing  type of connectable conductor cross-sections     • for auxiliary contacts     — solid     — solid or stranded     — solid or stranded     — finely stranded with core end processing     — finely stranded without core end processing     — finely stranded without core end processing     — finely stranded without core end processing     — at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section     • for auxiliary contacts  Safety related data  product function     • mirror contact according to IEC 60947-4-1     • positively driven operation according to IEC 60947-5-1  B10 value with high demand rate according to IEC 60529  touch protection on the front according to IEC 60529  touch protection on the front according to IEC 60529  suitability for use     • safety-related switching OFF  Yes  Certificates/ approvals		
• finely stranded without core end processing     type of connectable conductor cross-sections     • for auxiliary contacts	<ul> <li>solid or stranded</li> </ul>	0.25 2.5 mm²
type of connectable conductor cross-sections  • for auxiliary contacts  — solid — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — finely stranded without core end processing — of finely stranded without core end processing — finely stranded without core end processing — of finely stranded	<ul> <li>finely stranded with core end processing</li> </ul>	0.25 1.5 mm²
• for auxiliary contacts     — solid     — solid or stranded     — finely stranded with core end processing     — finely stranded without core end processing     — finely stranded without core end processing     — at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section     • for auxiliary contacts  24 14  Safety related data  product function     • mirror contact according to IEC 60947-4-1     • positively driven operation according to IEC 60947-5-1  B10 value with high demand rate according to IEC 60947-5-1  B10 value with high demand rate according to IEC 60529  touch protection on the front according to IEC 60529  touch protection on the front according to IEC 60529  suitability for use     • safety-related switching OFF  Yes  Certificates/ approvals	<ul> <li>finely stranded without core end processing</li> </ul>	0.25 2.5 mm²
- solid - solid or stranded - solid or stranded - finely stranded with core end processing - finely stranded without core end processing - finely stranded without core end processing - finely stranded without core end processing - at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section - for auxiliary contacts  - for	type of connectable conductor cross-sections	
- solid or stranded - finely stranded with core end processing - finely stranded without core end processing - finely stranded without core end processing - at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section - for auxiliary contacts  24 14  Safety related data  product function - mirror contact according to IEC 60947-4-1 - positively driven operation according to IEC 60947-5-1  B10 value with high demand rate according to IEC 60947- 60529  touch protection on the front according to IEC 60529  touch protection on the front according to IEC 60529  touch protection on the front according to IEC 60529  suitability for use - safety-related switching OFF  Yes  Certificates/ approvals	<ul> <li>for auxiliary contacts</li> </ul>	
finely stranded with core end processing finely stranded without core end processing at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section for auxiliary contacts  Safety related data  product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1  B10 value with high demand rate according to IEC 60529  touch protection on the front according to IEC 60529  safety-related switching OFF  Yes  1 000 000  IP00; IP20 with box terminal/cover  finger-safe, for vertical contact from the front with box terminal/cover  Yes  Yes  Certificates/ approvals	— solid	2x (0.25 2.5 mm²)
- finely stranded without core end processing  • at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section  • for auxiliary contacts  24 14  Safety related data  product function  • mirror contact according to IEC 60947-4-1  • positively driven operation according to IEC 60947-5-1  B10 value with high demand rate according to IEC 60529  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  safety-related switching OFF  Yes  Certificates/ approvals	<ul><li>— solid or stranded</li></ul>	2x (0,25 2,5 mm²)
at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section     • for auxiliary contacts  24 14  Safety related data  product function     • mirror contact according to IEC 60947-4-1     • positively driven operation according to IEC 60947-5-1  B10 value with high demand rate according to SN 31920  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  touch protection on the front according to IEC 60529  suitability for use     • safety-related switching OFF  Yes  Certificates/ approvals	<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.25 1.5 mm²)
AWG number as coded connectable conductor cross section  • for auxiliary contacts  24 14  Safety related data  product function  • mirror contact according to IEC 60947-4-1  • positively driven operation according to IEC 60947-5-1  B10 value with high demand rate according to SN 31920  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  touch protection on the front according to IEC 60529  safety-related switching OFF  Yes  Certificates/ approvals	<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.25 2.5 mm²)
section	at AWG cables for auxiliary contacts	2x (24 14)
product function		
product function	for auxiliary contacts	24 14
product function	Safety related data	
positively driven operation according to IEC 60947- 5-1  B10 value with high demand rate according to SN 31920  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  touch protection on the front according to IEC 60529  suitability for use     • safety-related switching OFF  Yes  Certificates/ approvals	product function	
5-1  B10 value with high demand rate according to SN 31920  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  suitability for use • safety-related switching OFF  Yes  Certificates/ approvals	<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes
protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529 suitability for use • safety-related switching OFF  Certificates/ approvals  IP00; IP20 with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover  Yes		No
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover suitability for use  • safety-related switching OFF  Yes  Certificates/ approvals	B10 value with high demand rate according to SN 31920	1 000 000
suitability for use  • safety-related switching OFF  Yes  Certificates/ approvals		IP00; IP20 with box terminal/cover
safety-related switching OFF     Yes  Certificates/ approvals	touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover
Certificates/ approvals		
	safety-related switching OFF	Yes
General Product Approval	Certificates/ approvals	
	General Product Approval	



Confirmation





<u>KC</u>



EMC

Functional Safety/Safety of Machinery

## **Declaration of Conformity**

## **Test Certificates**



Type Examination
Certificate





Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping

other











Confirmation

other

Railway

**Miscellaneous** 

Confirmation

**Miscellaneous** 

Special Test Certific-

ate

## **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=3RT1065-2NB36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1065-2NB36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-2NB36

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1065-2NB36&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-2NB36/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1065-2NB36&objecttype=14&gridview=view1

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