## **SIEMENS**

#### Data sheet

### 3RT2015-1AB02-1AA0

Power contactor, AC-3 7 A, 3 kW / 400 V 1 NC, 24 V AC, 50 / 60 Hz 3-pole, Size S00 screw terminal upright mounting position



Product brand name	SIRIUS
Product designation	Power contactor
Product type designation	3RT2

General technical data	
Size of contactor	S00
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>	1.2 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	0.4 W
Power loss [W] for rated value of the current without load current share typical	4.2 W
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	
<ul> <li>between coil and main contacts acc. to EN 60947-1</li> </ul>	400 V

Protection class IP	
• on the front	IP20
	IP20
of the terminal     Shock resistance at rectangular impulse	
Shock resistance at rectangular impulse	677/5 mg 4.29/10 mg
• at AC	6,7g / 5 ms, 4,2g / 10 ms
Shock resistance with sine pulse	
• at AC	10,5g / 5 ms, 6,6g / 10 ms
Mechanical service life (switching cycles)	22 222 222
<ul> <li>of contactor typical</li> </ul>	30 000 000
<ul> <li>of the contactor with added electronics- compatible auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	к
Reference code acc. to DIN EN 81346-2	Q
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
Main circuit	-
Number of poles for main current circuit	3
Number of NO contacts for main contacts	3
Operating voltage	202.14
at AC-3 rated value maximum	690 V
Operating current	
• at AC-1 at 400 V	
— at ambient temperature 40 °C rated value	18 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	18 A
— up to 690 V at ambient temperature 60 °C rated value	16 A
• at AC-2 at 400 V rated value	7 A
• at AC-3	
— at 400 V rated value	7 A
— at 500 V rated value	6 A
— at 690 V rated value	4.9 A
• at AC-4 at 400 V rated value	6.5 A
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	15.8 A

<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	5.8 A
• at AC-6a	
— up to 230 V for current peak value n=20	4 A
rated value	
— up to 400 V for current peak value n=20	4 A
rated value	
— up to 500 V for current peak value n=20	3.8 A
rated value	2.2.4
<ul> <li>— up to 690 V for current peak value n=20 rated value</li> </ul>	3.6 A
• at AC-6a	
— up to 230 V for current peak value n=30	2.7 A
rated value	
— up to 400 V for current peak value n=30	2.7 A
rated value	
— up to 500 V for current peak value n=30	2.5 A
rated value	0.4.4
<ul> <li>— up to 690 V for current peak value n=30 rated value</li> </ul>	2.4 A
Minimum cross-section in main circuit	
<ul> <li>at maximum AC-1 rated value</li> </ul>	2.5 mm <sup>2</sup>
Operating current for approx. 200000 operating	
cycles at AC-4	
Cycles at AC-4	
• at 400 V rated value	2.6 A
•	2.6 A 1.8 A
• at 400 V rated value	
<ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> Operating current <ul> <li>at 1 current path at DC-1</li> </ul>	1.8 A
<ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> Operating current <ul> <li>at 1 current path at DC-1</li> <li>at 24 V rated value</li> </ul>	1.8 A 15 A
<ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> Operating current <ul> <li>at 1 current path at DC-1</li> </ul>	1.8 A 15 A 1.5 A
<ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> Operating current <ul> <li>at 1 current path at DC-1</li> <li>at 24 V rated value</li> </ul>	1.8 A 15 A 1.5 A 0.6 A
<ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> Operating current <ul> <li>at 1 current path at DC-1</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> </ul>	1.8 A 15 A 1.5 A 0.6 A 0.42 A
<ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> Operating current <ul> <li>at 1 current path at DC-1</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> </ul>	1.8 A 15 A 1.5 A 0.6 A
<ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> Operating current <ul> <li>at 1 current path at DC-1</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> </ul> <li>with 2 current paths in series at DC-1</li>	1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A
<ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>Operating current</li> <li>at 1 current path at DC-1 <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>with 2 current paths in series at DC-1 <ul> <li>at 24 V rated value</li> </ul> </li> </ul>	1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A
<ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>Operating current</li> <li>at 1 current path at DC-1 <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>with 2 current paths in series at DC-1 <ul> <li>at 24 V rated value</li> <li>at 24 V rated value</li> </ul> </li> </ul>	1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 8.4 A
<ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>Operating current</li> <li>at 1 current path at DC-1 <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>with 2 current paths in series at DC-1 <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> </ul> </li> </ul>	1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 8.4 A 1.2 A
<ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>Operating current</li> <li>at 1 current path at DC-1 <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>with 2 current paths in series at DC-1 <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 24 V rated value</li> </ul> </li> </ul>	1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 8.4 A 1.2 A 0.6 A
<ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>Operating current</li> <li>at 1 current path at DC-1 <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>with 2 current paths in series at DC-1 <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 24 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> </ul> </li> </ul>	1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 8.4 A 1.2 A
<ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>Operating current</li> <li>at 1 current path at DC-1 <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>with 2 current paths in series at DC-1 <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 440 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 240 V rated value</li> <li>at 240 V rated value</li> <li>at 200 V rated value</li> <li>at 200 V rated value</li> <li>at 200 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> </ul> </li> </ul>	1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 8.4 A 1.2 A 0.6 A 0.5 A
<ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>Operating current</li> <li>at 1 current path at DC-1 <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>with 2 current paths in series at DC-1 <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> </ul> </li> <li>with 2 current paths in series at DC-1 <ul> <li>at 220 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 240 V rated value</li> <li>at 440 V rated value</li> <li>at 24 V rated value</li> <li>at 440 V rated value</li> <li>at 440 V rated value</li> </ul> </li> </ul>	1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 8.4 A 1.2 A 0.6 A 0.5 A
<ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>Operating current</li> <li>at 1 current path at DC-1 <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>with 2 current paths in series at DC-1 <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 240 V rated value</li> <li>at 440 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> </li> </ul>	1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 0.42 A 15 A 1.2 A 0.6 A 0.5 A 15 A
<ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>Operating current</li> <li>at 1 current path at DC-1 <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>with 2 current paths in series at DC-1 <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> </ul> </li> <li>with 2 current paths in series at DC-1 <ul> <li>at 220 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 240 V rated value</li> <li>at 440 V rated value</li> <li>at 24 V rated value</li> <li>at 440 V rated value</li> <li>at 440 V rated value</li> </ul> </li> </ul>	1.8 A 15 A 1.5 A 0.6 A 0.42 A 0.42 A 15 A 8.4 A 1.2 A 0.6 A 0.5 A

• at 1 current path at DC-3 at DC-5         15 A           - at 24 V rated value         0.1 A           • with 2 current paths in series at DC-3 at DC-5         15 A           - at 24 V rated value         0.25 A           • with 3 current paths in series at DC-3 at DC-5         -           - at 24 V rated value         0.25 A           • with 3 current paths in series at DC-3 at DC-5         -           - at 10 V rated value         15 A           - at 110 V rated value         15 A           - at 110 V rated value         15 A           - at 20 V rated value         15 A           - at 20 V rated value         0.14 A           - at 420 V rated value         0.14 A           - at 420 V rated value         0.14 A           - at 200 V rated value         0.14 A           - at 200 V rated value         1.5 AW           - at 200 V rated value         1.5 AW           - at 200 V rated value         10.5 kW           - at 400 V rated value         19 kW           - at 600 V rated value         1.5 kW           - at 200 V rated value         1.15 kW	— at 600 V rated value	0.7 A
	Operating current	
	<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
<ul> <li>with 2 current paths in series at DC-3 at DC-5         <ul> <li>at 24 V rated value</li> <li>0.25 A</li> </ul> </li> <li>with 3 current paths in series at DC-3 at DC-5         <ul> <li>at 24 V rated value</li> <li>0.25 A</li> </ul> </li> <li>with 3 current paths in series at DC-3 at DC-5         <ul> <li>at 24 V rated value</li> <li>15 A</li> <li>at 24 V rated value</li> <li>15 A</li> <li>at 24 V rated value</li> <li>15 A</li> <li>at 20 V rated value</li> <li>15 A</li> <li>at 20 V rated value</li> <li>12 A</li> <li>at 40 V rated value</li> <li>0.14 A</li> </ul> </li> <li>or at 230 V rated value</li> <li>6.3 kW</li> <li>at 230 V rated value</li> <li>6.4 kW</li> <li>at 400 V rated value</li> <li>11 kW</li> <li>at 600 V rated value</li> <li>10 kW</li> <li>at 600 V rated value</li> <li>10 kW</li> <li>at 600 V rated value</li> <li>10 kW</li> <li>at 600 V rated value</li> <li>18 kW</li> <li>at AC-2 at 400 V rated value</li> <li>18 kW</li> <li>at AC-3</li> <li>at 420 V rated value</li> <li>3 kW</li> <li>at AC-3</li> <li>at 400 V rated value</li> <li>3 kW</li> <li>at 400 V rated value</li> <li>4 kW</li> </ul> <li>at 400 V rated value</li> <ul> <li>4 kW</li> </ul> <li>at 400 V rated value</li> <ul> <li>15 kW</li> <li>at 400 V rated value</li> <li>15 kW</li> <li>at 400 V rated value</li> <li>15 kW</li> <li>at 400 V rated value</li> <li>150 V A</li></ul>	— at 24 V rated value	15 A
- at 24 V rated value       15 Å         - at 110 V rated value       0.25 Å         • with 3 current paths in series at DC-3 at DC-3       15 Å         - at 24 V rated value       15 Å         - at 24 V rated value       15 Å         - at 20 V rated value       12 Å         - at 440 V rated value       0.14 Å         - at 400 V rated value       0.14 Å         - at 200 V rated value       6.3 kW         - at 200 V rated value       6.4 kW         - at 400 V rated value       10.5 kW         - at 400 V rated value       10.5 kW         - at 600 °C rated value       10.5 kW         - at 600 °C rated value       18 kW         - at 400 V rated value       18 kW         - at 230 V rated value       15 kW         - at 690 V rated value       15 kW         - at 690 V rated value       15 kW         - at 690 V rated value       <	— at 110 V rated value	0.1 A
at 110 V rated value0.25 Å• with 3 current paths in series at DC-3 at DC-515 Å- at 24 V rated value15 Å- at 110 V rated value15 Å- at 220 V rated value12 Å- at 440 V rated value0.14 ÅOperating power0.14 Å- at 230 V rated value6.3 kW- at 230 V rated value6.3 kW- at 230 V rated value10.5 kW- at 400 V rated value10.5 kW- at 230 V rated value15 kW- at 230 V rated value10.5 kW- at 230 V rated value10.5 kW- at 400 V rated value3 kW- at 230 V rated value1.5 kW- at 690 V rated value3 kW- at 230 V rated value1.5 kW- at 690 V rated value3 kW- at 690 V rated value1.5 kW- at 690 V rated value1.5 kW- at 690 V rated value3 kW- at 690 V rated value1.5 kW- at 690 V rated value1.5 kW- at 690 V rated value3 kW- at 690 V rated value3 kW- at 690 V rated value1.5 kW- at 690 V rated value1.5 kW- at 690 V rated value1.5 kW- at 690 V rated value3 kW- a	<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 210 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 440 V rated value</li> <li>at 400 V rated value</li> <li>0.14 A</li> </ul> Operating power <ul> <li>at 230 V rated value</li> <li>at 00 °C rated value</li> <li>at 00 °C rated value</li> <li>at 00 °C rated value</li> <li>bt WW</li> <li>at 400 V rated value</li> <li>at 400 V rated value</li> <li>bt WW</li> <li>at 600 °C rated value</li> <li>at 600 °C rated value</li> <li>bt WW</li> <li>at 600 °C rated value</li> <li>at AC-3</li> <li>at 600 V rated value</li> <li>bt WW</li> <li>at AC-3</li> <li>at AC-3</li> <li>at 400 V rated value</li> <li>bt WW</li> <li>at AC-4</li> <li>at 00 °C rated value</li> <li>bt WW</li> <li>at AC-5</li> <li>at 400 V rated value</li> <li>bt WW</li> <li>at AC-4</li> <li>at 400 V rated value</li> <li>bt WW</li> <li>bt AC-3</li> <li>at 400 °C rated value</li> <li>bt WW</li> <li>bt AC-3</li> <li>at 400 °C rated value</li> <li>bt WW</li> <li>bt AC-3</li> <li>at 400 °C rated value</li> <li>bt WW</li> <li>bt AC-4</li> <li>bt 00 °C rated value</li> <li>ct 1.5 kW</li> <li>bt 00 °C rated value</li> <li>bt WW</li> </ul>	— at 24 V rated value	15 A
	— at 110 V rated value	0.25 A
<ul> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at AC-1</li> <li>at 230 V rated value</li> <li>at 230 V rated value</li> <li>bt AC-1</li> <li>at 230 V rated value</li> <li>bt AC-2</li> <li>at 400 V rated value</li> <li>bt AW</li> <li>at 690 V rated value</li> <li>bt AW</li> <li>at 690 V rated value</li> <li>bt AW</li> <li>at 400 V rated value</li> <li>bt AW</li> <li>at 690 V rated value</li> <li>bt AW</li> <li>at 690 V rated value</li> <li>bt AW</li> <li>bt AC-2</li> <li>bt at 00 V rated value</li> <li>bt AW</li> <li>bt at 690 V rated value</li> <li>bt AW</li> <li>bt at 690 V rated value</li> <li>ct 400 V rated value</li> <li>bt 400 V rated value</li> <li>ct 400 V rated value</li> <li>bt 400 V rated value</li> <li>ct 400 V rated value</li> <li>bt 400 V rated value</li> <li>ct 400 V rated value =20 rated</li> <li>ct 400 V</li></ul>	• with 3 current paths in series at DC-3 at DC-5	
at 220 V rated value1.2 A- at 220 V rated value0.14 A- at 600 V rated value0.14 AOperating power0.14 A- at 230 V rated value6.3 kW- at 230 V rated value6 kW- at 230 V rated value6 kW- at 230 V rated value11 kW- at 400 V rated value10.5 kW- at 690 V rated value10.5 kW- at 690 V rated value18 kW- at 690 V rated value3 kW- at 690 V rated value3 kW- at 690 V rated value3 kW- at 230 V rated value3 kW- at 400 V rated value3 kW- at 690 V rated value3 kW- at 690 V rated value1.5 kW- at 690 V rated value1.15 kW- at 690 V for current peak value n=20 rated2 700 V·Avalue0.00 V for current peak value n=20 rated3 300 V·Avalue- up to 500 V for current peak value n=20 rated3 300 V·Avalue- up to 690 V for current peak value n=20 rated3 300 V·A	— at 24 V rated value	15 A
at 440 V rated value0.14 A- at 600 V rated value0.14 AOperating power	— at 110 V rated value	15 A
at 600 V rated value0.14 AOperating power • at AC-16.3 kW- at 230 V rated value6.3 kW- at 230 V rated value6 kW- at 400 V rated value11 kW- at 400 V rated value10.5 kW- at 690 V rated value19 kW- at 690 V rated value18 kW- at 690 V rated value3 kW• at AC-2at 400 V rated value• at AC-3- at 230 V rated value• at AC over for approx. 20000 operating cycles- at 690 V rated value3 kW- at 690 V rated value3 kW- at 690 V rated value1.15 kW- at 690 V rated value1.15 kW• at 400 V rated value1.15 kW• at 400 V rated value1.15 kW• up to 230 V for current peak value n=20 rated value2 700 V-A• up to 500 V for current peak value n=20 rated value3 300 V-A• up to 500 V for current peak value n=20 rated value4 300 V-A	— at 220 V rated value	1.2 A
Operating power <ul> <li>at AC-1</li> <li>at 230 V rated value</li> <li>6.3 kW</li> <li>at 230 V at 60 °C rated value</li> <li>6 kW</li> <li>at 400 V rated value</li> <li>1 kW</li> <li>at 400 V rated value</li> <li>10.5 kW</li> <li>at 690 V rated value</li> <li>19 kW</li> <li>at 600 V rated value</li> <li>18 kW</li> <li>at AC-2 at 400 V rated value</li> <li>18 kW</li> <li>at AC-3</li> <li>at 230 V rated value</li> <li>1.5 kW</li> <li>at AC-3</li> <li>at 230 V rated value</li> <li>4 kW</li> <li>at AC-3</li> <li>at 230 V rated value</li> <li>4 kW</li> <li>at AC-4</li> <li>at 000 V rated value</li> <li>4 kW</li> </ul> <ul> <li>at 400 V rated value</li> <li>5 kW</li> <li>at AC-3</li> <li>at 230 V rated value</li> <li>4 kW</li> </ul> <ul> <li>at 400 V rated value</li> <li>a kW</li> <li>at 400 V rated value</li> <li>a kW</li> <li>at 400 V rated value</li> <li>4 kW</li> </ul> <ul> <li>at 400 V rated value</li> <li>1.15 kW</li> </ul> <ul> <li>at 400 V rated value</li> <li>1.15 kW</li> <li>at 400 V rated value</li> <li>1.15 kW</li> </ul> <ul> <li>at 400 V rated value</li> <li>1.15 kW</li> </ul> <ul> <li>at 400 V rated value n=20 rated</li> <li>1.500 V-A</li> <li>value</li> <li>up to 500 V for current peak value n=20 rated</li> <li>2 700 V-A</li> <li>value<td>— at 440 V rated value</td><td>0.14 A</td></li></ul>	— at 440 V rated value	0.14 A
<ul> <li>at AC-1         <ul> <li>at 230 V rated value</li> <li>at 230 V rated value</li> <li>at 230 V at 60 °C rated value</li> <li>bt W</li> <li>at 400 V rated value</li> <li>at 400 V rated value</li> <li>bt WW</li> <li>at 400 V rated value</li> <li>bt WW</li> <li>at 690 V rated value</li> <li>bt WW</li> <li>at 690 V rated value</li> <li>bt WW</li> <li>at AC-2 at 400 V rated value</li> <li>bt WW</li> <li>at AC-2 at 400 V rated value</li> <li>bt WW</li> <li>at AC-3</li> <li>at 230 V rated value</li> <li>bt WW</li> <li>at AC-3</li> <li>at 230 V rated value</li> <li>bt WW</li> <li>at AC-3</li> <li>at 400 V rated value</li> <li>bt WW</li> <li>at 400 V rated value</li> <li>bt WW</li> <li>bt 400 V rated value</li> <li>bt 600 V rated value</li> <li>ct 600 V rated value</li> <li>bt 600 V rated value</li> <li>ct 600 V rated value</li> <li>bt 600 V rated value</li> <li>ct 600 V rated value</li> <li>ct 600 V rated value</li> <li>ct 600 V rated value n=20 rated</li> <li>ct 700 V-A</li> <li>value</li> <li>bt 600 V for current peak value n=20 rated</li> <li>ct 700 V-A</li> <li>value</li> <li>ct 600 V for current peak value n=20 rated</li> <li>ct 700 V-A</li> <li>value</li> <li>ct 600 V for current peak value n=20 rated</li> <li>ct 700 V-A</li> <li>value</li> <li>ct 600 V for current peak value n=20 rated</li></ul></li></ul>	— at 600 V rated value	0.14 A
<ul> <li>- at 230 V rated value</li> <li>- at 230 V at 60 °C rated value</li> <li>- at 230 V at 60 °C rated value</li> <li>- at 400 V rated value</li> <li>- at 400 V rated value</li> <li>- at 600 °C rated value</li> <li>- at 230 °C rated value</li> <li>- at 400 °C rated value</li> <li>- at 500 °C rated value</li> <li>- at 690 °C rated valu</li></ul>	Operating power	
<ul> <li>at 230 V at 60 °C rated value</li> <li>at 400 V rated value</li> <li>t WW</li> <li>at 400 V at 60 °C rated value</li> <li>11 kW</li> <li>at 400 V at 60 °C rated value</li> <li>10.5 kW</li> <li>at 690 V rated value</li> <li>19 kW</li> <li>at 690 V rated value</li> <li>18 kW</li> <li>et AC-2 at 400 V rated value</li> <li>18 kW</li> <li>et AC-3</li> <li>- at 230 V rated value</li> <li>1.5 kW</li> <li>- at 400 V rated value</li> <li>3 kW</li> <li>- at 230 V rated value</li> <li>- at 230 V rated value</li> <li>- at 400 V rated value</li> <li>- at 400 V rated value</li> <li>- at 400 V rated value</li> <li>- at 500 V rated value</li> <li>- at 690 V rated value</li> <li>- 1.15 kW</li> <li>Operating apparent output at AC-6a</li> <li>- up to 200 V for current peak value n=20 rated</li> <li>- up to 500 V for current peak value n=20 rated</li> <li>- up to 500 V for current peak value n=20 rated</li> <li>- up to 500 V for current peak value n=20 rated</li> <li>- up to 690 V for current peak value n=20 rated</li> <li>- up to 690 V for current peak value n=20 rated</li> <li>- up to 690 V for current peak value n=20 rated</li> <li>- up to 690 V for current peak value n=20 ra</li></ul>	• at AC-1	
at 400 V rated value11 kW at 400 V at 60 °C rated value10.5 kW at 690 V rated value19 kW at 690 V at 60 °C rated value18 kW•- at 690 V at 60 °C rated value18 kW• at AC-2 at 400 V rated value3 kW• at AC-3 at 230 V rated value1.5 kW at 400 V rated value3 kW at 400 V rated value3 kW at 690 V rated value3 kW at 690 V rated value3 kW at 690 V rated value1.5 kWOperating power for approx. 200000 operating cycles at AC-41.15 kW•- at 690 V rated value1.15 kW•- at 690 V rated value1.15 kW•- at 690 V rated value1.15 kW•- at 690 V rated value3 .100 V-A•- at 690 V for current peak value n=20 rated value3 .300 V-A•- up to 500 V for current peak value n=20 rated3 .300 V-A•- up to 690 V for current peak value n=20 rated3 .300 V-A•- up to 690 V for current peak value n=20 rated3 .300 V-A•- up to 690 V for current peak value n=20 rated3 .300 V-A•- up to 690 V for current peak value n=20 rated3 .300 V-A•- up to 690 V for current peak value n=20 rated3 .300 V-A•- up to 690 V for current peak value n=20 rated3 .300 V-A•- up to 690 V for current peak value n=20 rated3 .300 V-A•- up to 690 V for current peak value n=20 rated4 .300 V-A	— at 230 V rated value	6.3 kW
<ul> <li>at 400 V at 60 °C rated value</li> <li>at 690 V rated value</li> <li>b 400 V at 60 °C rated value</li> <li>b 400 V rated value</li> <li>c 4 690 V at 60 °C rated value</li> <li>b 400 V rated value</li> <li>c 4 600 V rated value</li> <li>c at AC-2 at 400 V rated value</li> <li>c at AC-3</li> <li>at AC-3</li> <li>at AC-3</li> <li>at 400 V rated value</li> <li>c at 400 V rated value</li> <li>c at 690 V rated value</li> <li>c p to 230 V for current peak value n=20 rated</li> <li>c p to 500 V for current peak value n=20 rated</li> <li>c p to 500 V for current peak value n=20 rated</li> <li>c p to 690 V for current peak value n=20 rated</li> <li>c p to 690 V for current peak value n=20 rated</li> <li>c p to 690 V for current peak value n=20 rated</li> <li>c p to 690 V for current peak value n=20 rated</li> <li>c p to 690 V for current peak value n=20 rated</li> <li>c p to 690 V for current peak value n=20 rated</li> <li>c p to 690 V for current peak value n=20 rated</li> <lic b="" corrent="" peak="" td="" va<=""><td>— at 230 V at 60 °C rated value</td><td>6 kW</td></lic></ul>	— at 230 V at 60 °C rated value	6 kW
<ul> <li>at 690 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V at 60 °C rated value</li> <li>at 60 °C rated value</li> <li>at AC-2 at 400 V rated value</li> <li>at AC-3</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>bt W</li> <li>at 400 V rated value</li> <li>bt W</li> <li>at 600 V rated value</li> <li>bt W</li> <li>bt V</li>     &lt;</ul>	— at 400 V rated value	11 kW
<ul> <li>at 690 V at 60 °C rated value</li> <li>at AC-2 at 400 V rated value</li> <li>at AC-3</li> <li>at AC-3</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>bt W</li> <li>at 400 V rated value</li> <li>bt W</li> <li>at 690 V rated value</li> <li>bt W</li> <li>at 690 V rated value</li> <li>bt W</li> <li>bt W<td>— at 400 V at 60 °C rated value</td><td>10.5 kW</td></li></ul>	— at 400 V at 60 °C rated value	10.5 kW
<ul> <li>at AC-2 at 400 V rated value</li> <li>at AC-3</li> <li>at AC-3</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>bt W</li> <li>at 400 V rated value</li> <li>bt W</li> <li>at 690 V rated value</li> <li>bt W</li> <li>bt AC-4</li> <li>at 400 V rated value</li> <li>bt W</li> <li>bt AC-4</li> <li>bt AC-</li></ul>	— at 690 V rated value	19 kW
<ul> <li>at AC-3         <ul> <li>at AC-3</li> <li>at 230 V rated value</li> <li>bt W</li> <li>at 400 V rated value</li> <li>bt W</li> <li>at 400 V rated value</li> <li>bt W</li> <li>at 690 V rated value</li> <li>bt W</li> </ul> </li> <li>Operating power for approx. 200000 operating cycles at AC-4         <ul> <li>at 400 V rated value</li> <li>bt W</li> </ul> </li> <li>Operating apparent output 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 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 690 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 690 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 690 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 690 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 690 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 690 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 690 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 690 V for current peak value n=20 rated value<td>— at 690 V at 60 °C rated value</td><td>18 kW</td></li></ul></li></ul>	— at 690 V at 60 °C rated value	18 kW
- at 230 V rated value1.5 kW- at 400 V rated value3 kW- at 500 V rated value3 kW- at 690 V rated value4 kWOperating power for approx. 200000 operating cycles at AC-41.15 kW• at 400 V rated value1.15 kW• at 690 V rated value1.15 kW• at 690 V rated value1.15 kW• up to 230 V for current peak value n=20 rated value2 700 V·A• up to 500 V for current peak value n=20 rated value3 300 V·A• up to 690 V for current peak value n=20 rated value3 300 V·A	• at AC-2 at 400 V rated value	3 kW
<ul> <li>at 400 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>by V rated value</li> <li>at 690 V rated value</li> <li>4 kW</li> <li>Operating power for approx. 200000 operating cycles at AC-4</li> <li>at 400 V rated value</li> <li>1.15 kW</li> <li>at 690 V rated value</li> <li>1.15 kW</li> <li>Operating apparent output at AC-6a</li> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>4 300 V·A</li> </ul>	● at AC-3	
at 500 V rated value3 kW at 690 V rated value4 kWOperating power for approx. 200000 operating cycles at AC-41.15 kW• at 400 V rated value1.15 kW• at 690 V rated value1.15 kW• at 690 V rated value1.15 kWOperating apparent output at AC-6a1.50 V·A• up to 230 V for current peak value n=20 rated value1 500 V·A• up to 400 V for current peak value n=20 rated value3 300 V·A• up to 500 V for current peak value n=20 rated value4 300 V·A	— at 230 V rated value	1.5 kW
at 690 V rated value4 kWOperating power for approx. 200000 operating cycles at AC-4	— at 400 V rated value	3 kW
Operating power for approx. 200000 operating cycles at AC-4       Image: Second S	— at 500 V rated value	3 kW
at AC-4Image: state of the state	— at 690 V rated value	4 kW
• at 400 V rated value1.15 kW• at 690 V rated value1.15 kWOperating apparent output at AC-6a	Operating power for approx. 200000 operating cycles	
<ul> <li>at 690 V rated value</li> <li>1.15 kW</li> <li>Operating apparent output 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 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 690 V for current peak value n=20 rated</li> <li>4 300 V·A</li> </ul> </li> </ul>	at AC-4	
Operating apparent output at AC-6a       1 500 V·A         • up to 230 V for current peak value n=20 rated value       1 500 V·A         • up to 400 V for current peak value n=20 rated value       2 700 V·A         • up to 500 V for current peak value n=20 rated value       3 300 V·A         • up to 690 V for current peak value n=20 rated       4 300 V·A	• at 400 V rated value	1.15 kW
<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 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated</li> <li>4 300 V·A</li> </ul>	• at 690 V rated value	1.15 kW
<ul> <li>up to 400 V for current peak value n=20 rated</li> <li>up to 500 V for current peak value n=20 rated</li> <li>up to 500 V for current peak value n=20 rated</li> <li>up to 690 V for current peak value n=20 rated</li> <li>4 300 V·A</li> </ul>	Operating apparent output at AC-6a	
value     • up to 500 V for current peak value n=20 rated value     3 300 V·A       • up to 690 V for current peak value n=20 rated     4 300 V·A		1 500 V·A
<ul> <li>• up to 690 V for current peak value n=20 rated</li> <li>• up to 690 V for current peak value n=20 rated</li> <li>• 4 300 V·A</li> </ul>		2 700 V·A
· ·		3 300 V·A
		4 300 V·A

<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	1 000 V·A			
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	1 800 V·A			
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	2 200 V·A			
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	2 900 V·A			
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>	120 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	86 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	67 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	52 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	43 A; Use minimum cross-section acc. to AC-1 rated value			
No-load switching frequency				
• at AC	10 000 1/h			
Operating frequency				
• at AC-1 maximum	1 000 1/h			
• at AC-2 maximum	750 1/h			
• at AC-3 maximum	750 1/h			
• at AC-4 maximum	250 1/h			
Control circuit/ Control				
Type of voltage of the control supply voltage	AC			
Control supply voltage at AC				
• at 50 Hz rated value	24 V			
• at 60 Hz rated value	24 V			
Operating range factor control supply voltage rated value of magnet coil at AC				
● at 50 Hz	0.8 1.1			
• at 60 Hz	0.85 1.1			
Apparent pick-up power of magnet coil at AC				
• at 50 Hz	27 V·A			
• at 60 Hz	24.3 V·A			
Inductive power factor with closing power of the coil				
• at 50 Hz	0.8			
• at 60 Hz	0.75			

coil		
Inductive power factor with the holding power of the coil0.25• at 50 Hz0.25• at 60 Hz0.25Closing delay • at AC9 35 msOpening delay • at AC3.5 14 msArcing time10 15 ms	• at 50 Hz	4.2 V·A
coil         i           • at 50 Hz         0.25           • at 60 Hz         0.25           Closing delay         0.25           • at AC         9 35 ms           Opening delay         3.5 14 ms           • at AC         3.5 14 ms	• at 60 Hz	3.3 V·A
• at 60 Hz0.25Closing delay9 35 ms• at AC9 35 msOpening delay3.5 14 ms• at AC3.5 14 msArcing time10 15 ms	Inductive power factor with the holding power of the coil	
Closing delay       • at AC       9 35 ms       Opening delay       • at AC       3.5 14 ms       Arcing time       10 15 ms	• at 50 Hz	0.25
• at AC     9 35 ms       Opening delay     35 ms       • at AC     3.5 14 ms       Arcing time     10 15 ms	• at 60 Hz	0.25
Opening delay     3.5 14 ms       Arcing time     10 15 ms	Closing delay	
• at AC 3.5 14 ms 10 15 ms	• at AC	9 35 ms
Arcing time     10 15 ms	Opening delay	
	• at AC	3.5 14 ms
Control version of the switch operating mechanism Standard A1 - A2	Arcing time	10 15 ms
	Control version of the switch operating mechanism	Standard A1 - A2

#### Number of NC contacts for auxiliary contacts • instantaneous contact 1 Operating current at AC-12 maximum 10 A **Operating current at AC-15** 10 A • at 230 V rated value • at 400 V rated value 3 A • at 500 V rated value 2 A • at 690 V rated value 1 A **Operating current at DC-12** 10 A • at 24 V rated value 6 A • at 48 V rated value 6 A • at 60 V rated value 3 A • at 110 V rated value • at 125 V rated value 2 A • at 220 V rated value 1 A • at 600 V rated value 0.15 A **Operating current at DC-13** 10 A • at 24 V rated value 2 A • at 48 V rated value 2 A • at 60 V rated value 1 A • at 110 V rated value 0.9 A • at 125 V rated value 0.3 A • at 220 V rated value • at 600 V rated value 0.1 A Contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA)

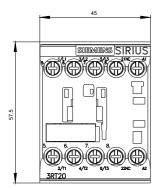
# UL/CSA ratings Full-load current (FLA) for three-phase AC motor • at 480 V rated value 4.8 A

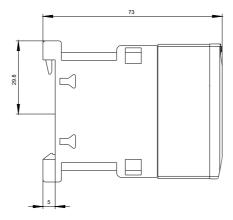
• at 600 V rated value	6.1 A		
Yielded mechanical performance [hp]			
<ul> <li>for single-phase AC motor</li> </ul>			
— at 110/120 V rated value	0.25 hp		
— at 230 V rated value	0.75 hp		
<ul> <li>for three-phase AC motor</li> </ul>			
— at 200/208 V rated value	1.5 hp		
— at 220/230 V rated value	2 hp		
— at 460/480 V rated value	3 hp		
— at 575/600 V rated value	5 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>			
— with type of coordination 1 required	gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)		
— with type of assignment 2 required	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)		
<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	standing, on horizontal mounting surface		
	standing, on horizontal mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715		
Mounting position	screw and snap-on mounting onto 35 mm standard mounting rail		
Mounting position Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715		
Mounting position         Mounting type         • Side-by-side mounting         Height         Width	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes		
Mounting position         Mounting type         • Side-by-side mounting         Height         Width         Depth	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 58 mm		
Mounting position         Mounting type         • Side-by-side mounting         Height         Width	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 58 mm 45 mm		
Mounting position         Mounting type         • Side-by-side mounting         Height         Width         Depth	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 58 mm 45 mm 73 mm		
Mounting position         Mounting type         • Side-by-side mounting         Height         Width         Depth         Required spacing	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 58 mm 45 mm 73 mm		
Mounting position         Mounting type         • Side-by-side mounting         Height         Width         Depth         Required spacing         • with side-by-side mounting	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 58 mm 45 mm 73 mm 10 mm 10 mm		
Mounting position         Mounting type         • Side-by-side mounting         Height         Width         Depth         Required spacing         • with side-by-side mounting         — forwards	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 58 mm 45 mm 73 mm		
Mounting position         Mounting type         • Side-by-side mounting         Height         Width         Depth         Required spacing         • with side-by-side mounting         — forwards         — upwards	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 58 mm 45 mm 73 mm 10 mm 10 mm		
Mounting position         Mounting type         • Side-by-side mounting         Height         Width         Depth         Required spacing         • with side-by-side mounting         — forwards         — upwards         — downwards	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 58 mm 45 mm 73 mm 10 mm 10 mm 10 mm		
Mounting position         Mounting type         • Side-by-side mounting         Height         Width         Depth         Required spacing         • with side-by-side mounting         — forwards         — upwards         — at the side	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 58 mm 45 mm 73 mm 10 mm 10 mm 10 mm		
Mounting position         Mounting type         • Side-by-side mounting         Height         Width         Depth         Required spacing         • with side-by-side mounting         — forwards         — upwards         — at the side         • for grounded parts	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 58 mm 45 mm 73 mm 10 mm 10 mm 10 mm 0 mm		
Mounting position         Mounting type         • Side-by-side mounting         Height         Width         Depth         Required spacing         • with side-by-side mounting         — forwards         — upwards         — at the side         • for grounded parts         — forwards	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 58 mm 45 mm 73 mm 10 mm 10 mm 10 mm 10 mm 10 mm		
Mounting position         Mounting type         • Side-by-side mounting         Height         Width         Depth         Required spacing         • with side-by-side mounting         — forwards         — upwards         — at the side         • for grounded parts         — upwards         — upwards	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 58 mm 45 mm 73 mm 10 mm 10 mm 0 mm 10 mm 10 mm		
Mounting position         Mounting type         • Side-by-side mounting         Height         Width         Depth         Required spacing         • with side-by-side mounting         — forwards         — upwards         — at the side         • for grounded parts         — upwards         — at the side         — at the side         — at the side	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 58 mm 45 mm 73 mm 10 mm 10 mm 10 mm 10 mm 10 mm 6 mm		
Mounting position         Mounting type         • Side-by-side mounting         Height         Width         Depth         Required spacing         • with side-by-side mounting         — forwards         — upwards         — at the side         • for grounded parts         — forwards         — upwards         — downwards         — upwards         — downwards         — of orwards         — upwards         — downwards         — downwards         — at the side         — downwards	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 58 mm 45 mm 73 mm 10 mm 10 mm 10 mm 10 mm 10 mm 6 mm		

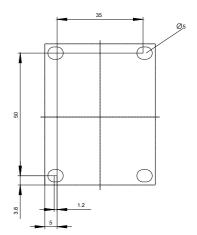
— downwards	10 mm		
— at the side	6 mm		
Connections/ Terminals			
Type of electrical connection			
<ul> <li>for main current circuit</li> </ul>	screw-type terminals		
<ul> <li>for auxiliary and control current circuit</li> </ul>	screw-type terminals		
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals		
<ul> <li>of magnet coil</li> </ul>	Screw-type terminals		
Type of connectable conductor cross-sections			
<ul> <li>for main contacts</li> </ul>			
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²		
— single or multi-stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²		
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
<ul> <li>at AWG conductors for main contacts</li> </ul>	2x (20 16), 2x (18 14), 2x 12		
Connectable conductor cross-section for main contacts			
● solid	0.5 4 mm²		
• stranded	0.5 4 mm²		
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²		
Connectable conductor cross-section for auxiliary			
contacts			
<ul> <li>single or multi-stranded</li> </ul>	0.5 4 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>			
— single or multi-stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²		
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
<ul> <li>at AWG conductors for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14), 2x 12		
AWG number as coded connectable conductor cross			
section			
• for main contacts	20 12		
<ul> <li>for auxiliary contacts</li> </ul>	20 12		
Safety related data			
B10 value			
• with high demand rate acc. to SN 31920	1 000 000		
Proportion of dangerous failures			
• with low demand rate acc. to SN 31920	40 %		
• with high demand rate acc. to SN 31920	73 %		
Failure rate [FIT]			
• with low demand rate acc. to SN 31920	100 FIT		
Product function			

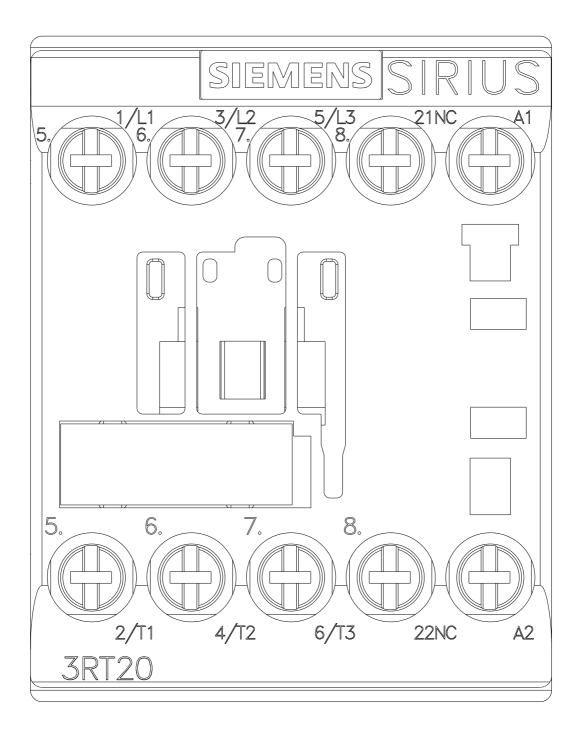
<ul> <li>Mirror contact</li> </ul>	acc. to IEC 60947-4-	1 Y	es		
T1 value for proof te IEC 61508	est interval or service	life acc. to 2	0 у		
Protection against e	lectrical shock	fi	nger-safe		
Certificates/ approv	rals				
General Produc	t Approval				EMC
	CSA		<u>KC</u>	EHC	RCM
Functional Safety/Safety of Machinery	Declaration of C	conformity	Test Certificate	98	Marine / Ship- ping
Type Examination Certificate	EG-Konf.	Miscellaneous	Type Test Certific- ates/Test Report	Special Test Certi- ficate	ABS
Marine / Shippir	ng				
B U R E A U VERITAS	Lloyd's Kegister Lrs	PRS	RINA	RMRS	DNVGLCOM/AF
other					
Confirmation	VDE				
urther information		-			
Information- and Do https://www.siemens.c	wnloadcenter (Catalo om/ic10	ogs, Brochures,)			
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2015-1AB02-1AA0					
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-1AB02-1AA0					
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1AB02-1AA0					
Image database (pro	oduct images, 2D dim	nension drawings,	<b>3D models, device cir</b> T2015-1AB02-1AA0&lan		N macros,)
Characteristic: Tripping characteristics, I <sup>2</sup> t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1AB02-1AA0/char					

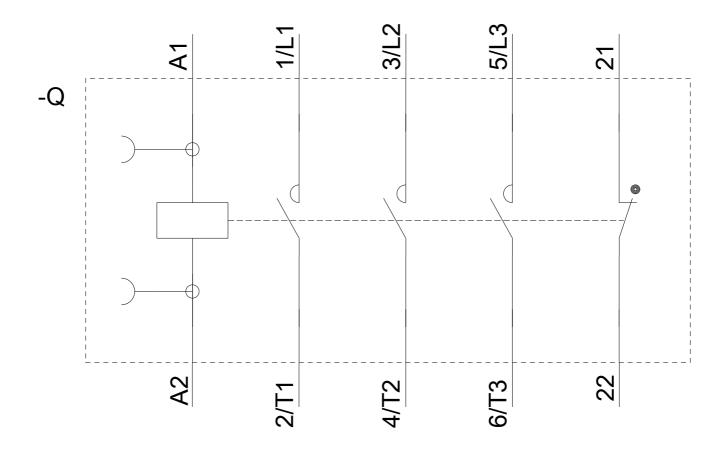
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-1AB02-1AA0&objecttype=14&gridview=view1











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04/07/2020