# SIEMENS

#### Data sheet

### 3RT2015-1AP62



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 220 V AC, 50 Hz / 240 V, 60 Hz, auxiliary contacts: 1 NC, screw terminal, size: S00  $\,$ 

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>	0.6 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	0.2 W
<ul> <li>without load current share typical</li> </ul>	1.2 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	690 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	6 kV
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• 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 (operating cycles)	
<ul> <li>of contactor typical</li> </ul>	30 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Weight	0.228 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
<ul> <li>during storage</li> </ul>	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %

Environmental footprint	
Environmental Product Declaration(EPD)	Yes
global warming potential [CO2 eq] total	39.6 kg
global warming potential [CO2 eq] during manufacturing	1.18 kg
global warming potential [CO2 eq] during operation	38.5 kg
global warming potential [CO2 eq] after end of life	-0.155 kg
Main circuit	· · ·
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated value	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-3	7.4
- at 400 V rated value	7 A 6 A
— at 500 V rated value	
<ul> <li>— at 690 V rated value</li> <li>• at AC-3e</li> </ul>	4.9 A
- 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
• at AC-5b up to 400 V rated value	5.8 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	4 A
— up to 400 V for current peak value n=20 rated value	4 A
<ul> <li>— up to 500 V for current peak value n=20 rated value</li> </ul>	3.8 A
— up to 690 V for current peak value n=20 rated value	3.6 A
● at AC-6a	
— up to 230 V for current peak value n=30 rated value	2.7 A
— up to 400 V for current peak value n=30 rated value	2.7 A
— up to 500 V for current peak value n=30 rated value	2.5 A
— up to 690 V for current peak value n=30 rated value	2.4 A
minimum cross-section in main circuit at maximum AC-1 rated value	2.5 mm <sup>2</sup>
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	2.6 A
at 690 V rated value	1.8 A
operational current	
<ul> <li>at 1 current path at DC-1</li> </ul>	
— at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 110 V rated value	1.5 A
— at 220 V rated value	0.6 A
- at 440 V rated value	0.42 A
- at 600 V rated value	0.42 A
with 2 current paths in series at DC-1     at 24 V rated value	15 0
- at 24 V rated value	15 A
- at 60 V rated value	15 A
- at 110 V rated value	8.4 A
- at 220 V rated value	1.2 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.5 A

a with 2 autrent notion in carico at DC 1	
with 3 current paths in series at DC-1     — at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 100 V rated value	15 A
— at 220 V rated value	15 A
— at 440 V rated value	0.9 A
— at 600 V rated value	0.7 A
• at 1 current path at DC-3 at DC-5	0.7 A
- at 24 V rated value	15 A
— at 60 V rated value	0.35 A
— at 100 V rated value	0.15 A
with 2 current paths in series at DC-3 at DC-5	0.1 A
- at 24 V rated value	15 A
— at 60 V rated value	3.5 A
— at 110 V rated value	0.25 A
• with 3 current paths in series at DC-3 at DC-5	0.23 A
— at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 110 V rated value	15 A
— at 220 V rated value	1.2 A
— at 440 V rated value	0.14 A
— at 600 V rated value	0.14 A
operating power	0.177
• at AC-2 at 400 V rated value	3 kW
• at AC-3	
— at 230 V rated value	1.5 kW
— at 400 V rated value	3 kW
— at 500 V rated value	3 kW
— at 690 V rated value	4 kW
• at AC-3e	
— at 230 V rated value	1.5 kW
— at 400 V rated value	3 kW
— at 500 V rated value	3 kW
— at 690 V rated value	4 kW
operating power for approx. 200000 operating cycles at AC-	
4	
• at 400 V rated value	1.15 kW
at 690 V rated value	1.15 kW
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	1.5 kVA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	2.7 kVA
• up to 500 V for current peak value n=20 rated value	3.3 kVA
• up to 690 V for current peak value n=20 rated value	4.3 kVA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	1 kVA
• up to 400 V for current peak value n=30 rated value	1.8 kVA
• up to 500 V for current peak value n=30 rated value	2.2 kVA
up to 690 V for current peak value n=30 rated value	2.9 kVA
short-time withstand current in cold operating state up to 40 °C	
Imited to 1 s switching at zero current maximum	120 A; Use minimum cross-section acc. to AC-1 rated value
Imited to 5 s switching at zero current maximum	86 A; Use minimum cross-section acc. to AC-1 rated value
Imited to 10 s switching at zero current maximum	67 A; Use minimum cross-section acc. to AC-1 rated value
Imited to 30 s switching at zero current maximum	52 A; Use minimum cross-section acc. to AC-1 rated value
Imited to 60 s switching at zero current maximum	43 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	40.000.4/h
• at AC	10 000 1/h
operating frequency	1 000 1/b
• at AC-1 maximum	1 000 1/h
• at AC-2 maximum	750 1/h 750 1/h
• at AC-3 maximum	750 1/h

• at AC-3e 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	220 V
• at 60 Hz rated value	240 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	26.4 VA
• at 60 Hz	26.4 VA
inductive power factor with closing power of the coil	
at 50 Hz	0.81
• at 50 Hz	0.81
	0.01
apparent holding power of magnet coil at AC • at 50 Hz	4 4 1/4
	4.4 VA
at 60 Hz	4.4 VA
inductive power factor with the holding power of the coil	0.04
• at 50 Hz	0.24
• at 60 Hz	0.24
closing delay	
• at AC	9 35 ms
opening delay	
• at AC	4 15 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-12 maximum operational current at AC-15	
· · · · · · · · · · · · · · · · · · ·	10 A
operational current at AC-15	
• at 230 V rated value	10 A
<ul> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> </ul>	10 A 3 A
<ul> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> </ul>	10 A 3 A 2 A
operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value	10 A 3 A 2 A
operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12	10 A 3 A 2 A 1 A
operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value	10 A 3 A 2 A 1 A 10 A
operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         operational current at DC-12         • at 24 V rated value         • at 48 V rated value	10 A 3 A 2 A 1 A 10 A 6 A
operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         operational current at DC-12         • at 24 V rated value         • at 48 V rated value         • at 600 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A
operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 24 V rated value         • at 48 V rated value         • at 60 V rated value         • at 48 V rated value         • at 110 V rated value         • at 125 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A
operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 24 V rated value         • at 48 V rated value         • at 60 V rated value         • at 24 V rated value         • at 25 V rated value         • at 125 V rated value         • at 220 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A
operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 24 V rated value         • at 48 V rated value         • at 10 V rated value         • at 210 V rated value         • at 220 V rated value         • at 600 V rated value         • at 600 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A
operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 24 V rated value         • at 24 V rated value         • at 48 V rated value         • at 60 V rated value         • at 4110 V rated value         • at 125 V rated value         • at 220 V rated value         • at 600 V rated value         • at 600 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A
operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 24 V rated value         • at 48 V rated value         • at 60 V rated value         • at 24 V rated value         • at 25 V rated value         • at 125 V rated value         • at 200 V rated value         • at 220 V rated value         • at 600 V rated value         • at 220 V rated value         • at 600 V rated value         • at 24 V rated value         • at 220 V rated value         • at 24 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A
operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 24 V rated value         • at 48 V rated value         • at 60 V rated value         • at 24 V rated value         • at 25 V rated value         • at 125 V rated value         • at 220 V rated value         • at 600 V rated value         • at 48 V rated value         • at 420 V rated value         • at 48 V rated value         • at 48 V rated value         • at 48 V rated value         • at 24 V rated value         • at 24 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A
operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 24 V rated value         • at 24 V rated value         • at 60 V rated value         • at 24 V rated value         • at 25 V rated value         • at 125 V rated value         • at 220 V rated value         • at 600 V rated value         • at 24 V rated value         • at 600 V rated value         • at 24 V rated value         • at 600 V rated value         • at 24 V rated value         • at 26 V rated value         • at 26 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 2 A
operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 690 V rated value         • at 24 V rated value         • at 24 V rated value         • at 48 V rated value         • at 10 V rated value         • at 125 V rated value         • at 220 V rated value         • at 600 V rated value         • at 24 V rated value         • at 600 V rated value         • at 24 V rated value         • at 600 V rated value         • at 600 V rated value         • at 24 V rated value         • at 600 V rated value         • at 24 V rated value         • at 48 V rated value         • at 40 V rated value         • at 40 V rated value         • at 40 V rated value         • at 110 V rated value         • at 110 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A
operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 24 V rated value         • at 24 V rated value         • at 48 V rated value         • at 10 V rated value         • at 125 V rated value         • at 600 V rated value         • at 600 V rated value         • at 600 V rated value         • at 24 V rated value         • at 600 V rated value         • at 600 V rated value         • at 24 V rated value         • at 600 V rated value         • at 24 V rated value         • at 25 V rated value         • at 110 V rated value         • at 110 V rated value         • at 110 V rated value         • at 125 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A
operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 64 V rated value         • at 24 V rated value         • at 48 V rated value         • at 48 V rated value         • at 60 V rated value         • at 10 V rated value         • at 125 V rated value         • at 600 V rated value         • at 220 V rated value         • at 24 V rated value         • at 10 V rated value         • at 110 V rated value         • at 125 V rated value         • at 125 V rated value         • at 125 V rated value         • at 220 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A
operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 24 V rated value         • at 24 V rated value         • at 48 V rated value         • at 60 V rated value         • at 10 V rated value         • at 125 V rated value         • at 600 V rated value         • at 220 V rated value         • at 600 V rated value         • at 24 V rated value         • at 25 V rated value         • at 600 V rated value         • at 24 V rated value         • at 25 V rated value         • at 24 V rated value         • at 25 V rated value         • at 260 V rated value         • at 270 V rated value         • at 270 V rated value         • at 270 V rated value         • at 110 V rated value         • at 125 V rated value         • at 125 V rated value         • at 220 V rated value         • at 600 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A
operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 690 V rated value         • at 24 V rated value         • at 24 V rated value         • at 60 V rated value         • at 10 V rated value         • at 125 V rated value         • at 220 V rated value         • at 600 V rated value         • at 24 V rated value         • at 600 V rated value         • at 24 V rated value         • at 220 V rated value         • at 24 V rated value         • at 25 V rated value         • at 20 V rated value         • at 210 V rated value         • at 220 V rated value         • at 210 V rated value         • at 220 V rated value         • at 220 V rated value         • at 110 V rated value         • at 220 V rated value         • at 600 V rated value<	10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A
operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 690 V rated value         • at 24 V rated value         • at 24 V rated value         • at 48 V rated value         • at 60 V rated value         • at 10 V rated value         • at 125 V rated value         • at 600 V rated value         • at 600 V rated value         • at 600 V rated value         • at 220 V rated value         • at 24 V rated value         • at 600 V rated value         • at 220 V rated value         • at 24 V rated value         • at 25 V rated value         • at 110 V rated value         • at 25 V rated value         • at 125 V rated value         • at 220 V rated value         • at 600 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A
operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 690 V rated value         • at 24 V rated value         • at 24 V rated value         • at 60 V rated value         • at 10 V rated value         • at 125 V rated value         • at 220 V rated value         • at 600 V rated value         • at 24 V rated value         • at 600 V rated value         • at 24 V rated value         • at 220 V rated value         • at 24 V rated value         • at 25 V rated value         • at 20 V rated value         • at 210 V rated value         • at 220 V rated value         • at 210 V rated value         • at 220 V rated value         • at 220 V rated value         • at 110 V rated value         • at 220 V rated value         • at 600 V rated value<	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A
operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 690 V rated value         • at 24 V rated value         • at 24 V rated value         • at 24 V rated value         • at 60 V rated value         • at 10 V rated value         • at 125 V rated value         • at 600 V rated value         • at 220 V rated value         • at 24 V rated value         • at 24 V rated value         • at 600 V rated value         • at 220 V rated value         • at 24 V rated value         • at 24 V rated value         • at 24 V rated value         • at 25 V rated value         • at 110 V rated value         • at 25 V rated value         • at 125 V rated value         • at 220 V rated value         • at 220 V rated value         • at 220 V rated value         • at 600 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A
operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 690 V rated value         • at 24 V rated value         • at 24 V rated value         • at 24 V rated value         • at 60 V rated value         • at 110 V rated value         • at 220 V rated value         • at 600 V rated value         • at 600 V rated value         • at 24 V rated value         • at 220 V rated value         • at 600 V rated value         • at 600 V rated value         • at 220 V rated value         • at 24 V rated value         • at 25 V rated value         • at 20 V rated value         • at 20 V rated value         • at 20 V rated value         • at 110 V rated value         • at 125 V rated value         • at 220 V rated value         • at 220 V rated value         • at 600 V rated value </th <td>10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 1 A 0.15 A 1 A 1 A 0.15 A</td>	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 1 A 0.15 A 1 A 1 A 0.15 A
operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 24 V rated value         • at 48 V rated value         • at 60 V rated value         • at 24 V rated value         • at 10 V rated value         • at 125 V rated value         • at 220 V rated value         • at 600 V rated value         • at 220 V rated value         • at 220 V rated value         • at 24 V rated value         • at 25 V rated value         • at 20 V rated value         • at 20 V rated value         • at 10 V rated value         • at 10 V rated value         • at 220 V rated value         • at 600 V rated value <td>10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 1 A 0.15 A 10 A 1 A 0.15 A 1 A 0.3 A 0.3 A 0.1 A 1 A 0.4 A 1 A 0.5 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1</td>	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 1 A 0.15 A 10 A 1 A 0.15 A 1 A 0.3 A 0.3 A 0.1 A 1 A 0.4 A 1 A 0.5 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1
operational current at AC-15         • at 230 V rated value         • at 400 V rated value         • at 500 V rated value         • at 690 V rated value         • at 690 V rated value         • at 24 V rated value         • at 48 V rated value         • at 40 V rated value         • at 24 V rated value         • at 10 V rated value         • at 110 V rated value         • at 220 V rated value         • at 600 V rated value         • at 24 V rated value         • at 220 V rated value         • at 60 V rated value         • at 60 V rated value         • at 60 V rated value         • at 220 V rated value         • at 220 V rated value         • at 24 V rated value         • at 24 V rated value         • at 60 V rated value         • at 24 V rated value         • at 24 V rated value         • at 60 V rated value         • at 110 V rated value         • at 125 V rated value         • at 220 V rated value         • at 220 V rated value         • at 600 V rated value         • at 600 V rated value         • at 480 V rated value         • at 480 V rated value         • at 480 V rated value	10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.15 A 10 A 1 A 0.15 A 10 A 1 A 0.15 A 1 A 0.3 A 0.3 A 0.1 A 1 A 0.4 A 1 A 0.5 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1

at 110/120 V/ rated value	0.25 hr
— at 110/120 V rated value	0.25 hp
— at 230 V rated value	0.75 hp
for 3-phase AC motor	
— 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 miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V	C characteristic: 10 A; 0.4 kA
design of the fuse link	
<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	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
fastening method side-by-side mounting	Yes
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	58 mm
width	45 mm
depth	73 mm
required spacing	
with side-by-side mounting	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
<ul> <li>for grounded parts</li> </ul>	
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
for live parts	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
Connections/ Terminals	0 mm
type of electrical connection	
• for main current circuit	screw-type terminals
for auxiliary and control circuit	screw-type terminals
at contactor for auxiliary contacts	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections	
for main contacts	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
— solid or 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>for AWG cables 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>solid or 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	
for auxiliary contacts	
— solid or 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>for AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14), 2x 12
,	

	d connectable conduct	or cross				
section			00 40			
for main contacts			20 12			
<ul> <li>for auxiliary conta safety related data</li> </ul>	acts		20 12			
			_			
product function	pording to IEC 60047 4 1		Vee			
	cording to IEC 60947-4-1		Yes			
	operation according to IE	C 60947-5-1	No			
suitable for safety			Yes			
suitability for use safety-	-related switching OFF		Yes			
service life maximum			20 a			
test wear-related servi			Yes			
proportion of dangero			10.0/			
	rate according to SN 319		40 %			
	d rate according to SN 31		73 %			
	emand rate according to		1 000 000	)		
failure rate [FIT] with lo 31920	ow demand rate accord	ling to SN	100 FIT			
ISO 13849						
device type according	to ISO 13849-1		3			
overdimensioning acc	ording to ISO 13849-2 r	necessary	Yes			
IEC 61508						
safety device type acc	ording to IEC 61508-2		Туре А			
Electrical Safety						
protection class IP on	the front according to	IEC 60529	IP20			
touch protection on th	e front according to IE	C 60529	finger-safe	e, for vertical conta	act from the front	
Approvals Certificates						
General Product Appr	CE	UK		٩	KC	EAC
General Product Appr	CCE EG-Konf.	UK CA	ì	U.	<u>KC</u>	EHC
General Product Appr	CE	UK CA		UL UL	KC	EAC
	CE EG-Konf.	UK CA Special Test Ce ate	Ma	UL arine / Shipping		<b>ERIC</b>
	CEG-Konf. Test Certificates	Special Test Ce	Ma	UL arine / Shipping	BUREAU	<b>ERC</b>
EMV EMV RCM	CEG-Konf. Test Certificates	Special Test Ce	Ma	UL arine / Shipping Abs	B U R E A U VERITAS	
EMV EMV RCM	CEG-Konf. Test Certificates	Special Test Ce	Ma	UL arine / Shipping ABS	BUREAU VERITAS other	
EMV EMV Marine / Shipping	EG-Konf,         Test Certificates         Type Test Certificates         Type Test Certificates         Test Certificates<	Special Test Ce ate	ertific-	UUU arine / Shipping UUU ABS	other Miscellaneou	
EMV EMV Marine / Shipping CCC RCM Marine / Shipping	Cest Certificates         Type Test Certificates         Type Test Certificates         Operation of the sector of th	Special Test Ce ate	ertific-	ABS ABS	other Miscellaneou	
EMV EMV CCC EMV Marine / Shipping Marine / Shipping Confirmation other Confirmation further information	<b>Test Certificates</b> Type Test Certificates         Type Test Certificates         Comparison         Image: Comparison of the second	Special Test Ce ate	ertific-	ABS ABS	other Miscellaneou	

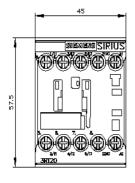
#### Cax online generator

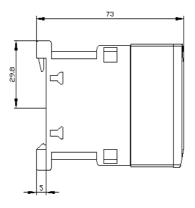
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-1AP62 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1AP62 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2015-1AP62&lang=en

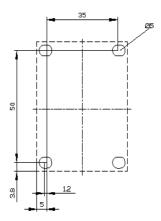
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

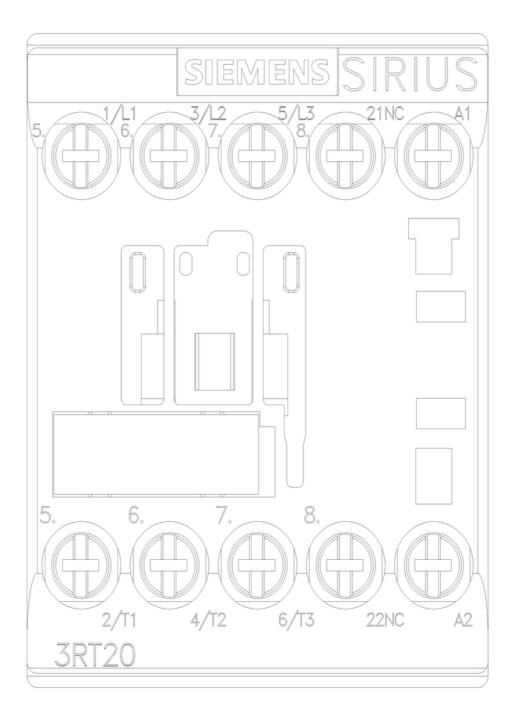
https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1AP62/char Further characteristics (e.g. electrical endurance, switching frequency)

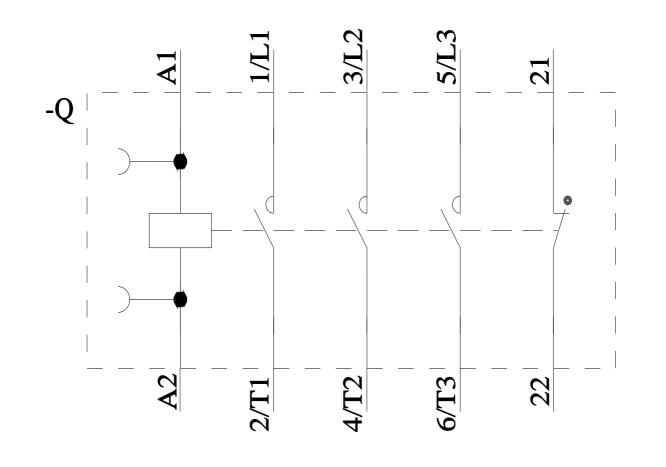
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-1AP62&objecttype=14&gridview=view1











last modified:

4/17/2025 🖸

## **Mouser Electronics**

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

3RT20151AP62