## **SIEMENS**

Data sheet 3RT2015-2VB42



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 24 V DC, 0.85-1.85\* Us, with integrated diode, auxiliary contacts: 1 NC, spring-loaded terminal, size: S00, not expandable with auxiliary switch

product brand name	SIRIUS
product designation	Coupling 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	No
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
without load current share typical	1.6 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
of auxiliary circuit with degree of pollution 3 rated value	690 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	6 kV
of auxiliary circuit rated value	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 DC	6,7g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at DC	10,5g / 5 ms, 6,6g / 10 ms
mechanical service life (operating cycles)	
of contactor typical	30 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	690 V

at AC-3e rated value maximum	690 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated	18 A
value	
• at AC-1	
<ul> <li>— up to 690 V at ambient temperature 40 °C rated value</li> </ul>	18 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	16 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-3e	
— 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
• at AC-5a up to 690 V rated value	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 rated value	4 A
— up to 400 V for current peak value n=20 rated value	4 A
— up to 500 V for current peak value n=20 rated value	3.8 A
— up to 690 V for current peak value n=20 rated value	3.6 A
• at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	2.7 A
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	2.7 A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	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 400 V rated value • at 690 V rated value	2.6 A 1.8 A
• at 400 V rated value • at 690 V rated value  operational current	
• at 400 V rated value • at 690 V rated value  operational current • at 1 current path at DC-1	1.8 A
• at 400 V rated value • at 690 V rated value  operational current • at 1 current path at DC-1 — at 24 V rated value	1.8 A 15 A
• at 400 V rated value • at 690 V rated value  operational current • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value	1.8 A 15 A 15 A
• at 400 V rated value • at 690 V rated value  operational current • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value	1.8 A 15 A 15 A 1.5 A
• at 400 V rated value • at 690 V rated value  operational current • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value	1.8 A  15 A  15 A  1.5 A  0.6 A
• at 400 V rated value • at 690 V rated value  • at 690 V rated value  operational current • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value	1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A
• at 400 V rated value • at 690 V rated value  operational current • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value	1.8 A  15 A  15 A  1.5 A  0.6 A
AC-4  • at 400 V rated value  • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1	1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A
AC-4  • at 400 V rated value  • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 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 600 V rated value  — at 42 V rated value	1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A
AC-4  • at 400 V rated value  • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 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  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  — at 60 V rated value	1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A
AC-4  • at 400 V rated value  • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 110 V rated value	1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  15 A  18 A
AC-4  • at 400 V rated value  • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value	1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  15 A  15 A  15 A
AC-4  • at 400 V rated value  • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  — at 220 V rated value  — at 440 V rated value	1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  15 A  15 A  16 A  17 A  18 A  18 A  19 A  10 A  10 A  11 A
• at 400 V rated value • at 690 V rated value  operational current • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  • at 60 V rated value  — at 24 V rated value  — at 25 V rated value  — at 440 V rated value  — at 600 V rated value	1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  15 A  15 A  15 A
• at 400 V rated value • at 690 V rated value  operational current • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  — at 60 V rated value  — at 440 V rated value  — at 440 V rated value  — at 440 V rated value  — at 400 V rated value  — at 600 V rated value	1.8 A  15 A  1.5 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  15 A  15 A  15 A  0.6 A  0.7 A  1.8 A
• at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 440 V rated value  — at 60 V rated value  — at 60 V rated value  — at 60 V rated value  — at 600 V rated value  — at 440 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value	1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  15 A  15 A  15 A  1.5 A  1.5 A  1.5 A
AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 110 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value  • at 60 V rated value — at 60 V rated value — at 60 V rated value — at 60 V rated value	1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  15 A  1.5 A  1.5 A  1.5 A  1.5 A
at 400 V rated value at 690 V rated value  operational current  at 1 current path at DC-1  at 24 V rated value  at 100 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 600 V rated value  at 24 V rated value  at 60 V rated value  at 110 V rated value  at 220 V rated value  at 24 V rated value  at 24 V rated value  at 24 V rated value  at 600 V rated value  at 24 V rated value  at 600 V rated value	1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  15 A  1.2 A  0.6 A  0.5 A
AC-4  • at 400 V rated value  • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 110 V rated value  — at 440 V rated value  — at 220 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value  — at 24 V rated value  — at 24 V rated value  — at 25 V rated value  — at 26 V rated value  — at 27 V rated value  — at 28 V rated value  — at 29 V rated value  — at 20 V rated value  — at 20 V rated value  — at 20 V rated value	1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  15 A  1.2 A  0.6 A  0.5 A
AC-4  • at 400 V rated value  • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  — at 60 V rated value  — at 110 V rated value  — at 110 V rated value  — at 440 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value  — at 110 V rated value  — at 22 V rated value  — at 440 V rated value	1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  15 A  1.2 A  0.6 A  0.5 A  15 A  15 A  15 A  15 A
• at 400 V rated value • at 690 V rated value  operational current • at 1 current path at DC-1  — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 110 V rated value — at 440 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 22 V rated value — at 22 V rated value — at 22 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 440 V rated value	1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  15 A  1.2 A  0.6 A  0.5 A
• at 400 V rated value • at 690 V rated value  operational current • at 1 current path at DC-1  — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 2 current paths in series at DC-1  — at 24 V rated value — at 600 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 25 V rated value — at 26 V rated value — at 600 V rated value	1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  8.4 A  1.2 A  0.6 A  0.5 A  15 A  15 A  15 A  16 A  17 A  18 A  18 A  19 A  10 A  1
• at 400 V rated value • at 690 V rated value  operational current • at 1 current path at DC-1  — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value • with 2 current paths in series at DC-1  — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value — at 60 V rated value — at 440 V rated value — at 60 V rated value — at 110 V rated value — at 110 V rated value — at 110 V rated value — at 440 V rated value	1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  15 A  1.2 A  0.6 A  0.5 A  15 A
• at 400 V rated value • at 690 V rated value  operational current • at 1 current path at DC-1  — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 2 current paths in series at DC-1  — at 24 V rated value — at 600 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 25 V rated value — at 26 V rated value — at 600 V rated value	1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  8.4 A  1.2 A  0.6 A  0.5 A  15 A  15 A  15 A  16 A  17 A  18 A  18 A  19 A  10 A  1

— at 24 V rated value	15 A
— at 60 V rated value	3.5 A
— at 110 V rated value	0.25 A
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— 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	
• 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	
<ul> <li>at 400 V rated value</li> </ul>	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
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	3.3 kVA
up to 690 V for current peak value n=20 rated value	4.3 kVA
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	1 kVA
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	1.8 kVA
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	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 $^{\circ}\text{C}$	
<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
Iimited to 60 s switching at zero current maximum	43 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at DC	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-3e maximum	750 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC	
rated value	24 V
operating range factor control supply voltage rated value of magnet coil at DC	
• initial value	0.85
• full-scale value	1.85
design of the surge suppressor	diode
closing power of magnet coil at DC	1.6 W
holding power of magnet coil at DC	1.6 W
closing delay	

# all DC 20 - 20 ms   # all DC 20 - 30 ms   # all DC 20 - 30 ms   # all DC 30 30 ms   # all D	100	07 100
Fig. 10 C   20   80 ms   10   15 ms   10   10   10   10   10   10   10   1	• at DC	25 120 ms
arching time		
Standard A1 - A2		
Assiliary circuit  writher of NG contacts for auxiliary contacts instantaneous contact		
		Standard A1 - A2
Contact   Contact   AC-12 maximum		
Operational current at AC-15		1
Operational current at AC-15		10 A
ent 2330 V rated value	·	
• at 400 V rated value		10 A
• at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 100 V rated value • at 110 V rated value • at 25 V rated value • at 260 V rated value • at 260 V rated value • at 24 V rated value • at 30 V rated value • at 30 V rated value • at 110 V rated value • at 120 V rated value	at 400 V rated value	3 A
• at 690 V rated value	at 500 V rated value	2 A
• at 24 V rated value • at 46 V rated value • at 46 V rated value • at 10 V rated value • at 110 V rated value • at 120 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 32 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 120 V rated value • at 120 V rated value • at 120 V rated value • at 220 V rated value • at 200	• at 690 V rated value	1 A
• at 48 V rated value	operational current at DC-12	
• at 80 V rated value	at 24 V rated value	10 A
• at 110 V rated value • at 126 V rated value • at 200 V rated value • at 300 V rated value • at 300 V rated value  operational current at DC-13 • at 48 V rated value • at 80 V rated value • at 80 V rated value • at 80 V rated value • at 125 V rated value • at 126 V rated value • at 200 V rated value • for 3-phase AC motor • at 110/120 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 5-phase AC motor • at 200/208 V rated value • for 5-phase AC motor • at 200/208 V rated value • for 5-phase AC motor • at 200/208 V rated value • for 5-phase AC motor • at 200/208 V rated value • for 5-phase AC motor • at 200/208 V rated value • for 6-phase AC motor • for 5-phase AC motor • for 6-phase AC motor • for 6-phase AC motor • for 6-phase A	at 48 V rated value	6 A
• at 125 V rated value	• at 60 V rated value	6 A
• at 220 V rated value	• at 110 V rated value	3 A
operational current at DC-13  • at 24 V rated value  • at 48 V rated value  • at 60 V rated value  • at 60 V rated value  • at 60 V rated value  • at 150 V rated value  • at 125 V rated value  • at 220 V rated value  • at 320 V rated value  • at 480 V rated value  • at 480 V rated value  • at 480 V rated value  • at 600 V rated value  • at 500 V rated value  • at 200 V rated value  • for 3-phase AC motor  • at 1101/20 V rated value  • for 3-phase AC motor  • at 200/208 V rated value  • for 3-phase AC motor  • at 200/208 V rated value  • for 3-phase AC motor  • at 200/208 V rated value  • for 3-phase AC motor  • at 200/208 V rated value  • for 3-phase AC motor  • at 200/208 V rated value  • for 3-phase AC motor  • at 200/208 V rated value  • for 3-phase AC motor  • at 200/208 V rated value  • for 5-phot-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  • with type of coordination 1 required  • with type of coordination 1 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the main circuit  • with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit	• at 125 V rated value	2 A
e at 24 V rated value 10 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A	• at 220 V rated value	1A
• at 24 V rated value 2 A   • at 48 V rated value 2 A   • at 60 V rated value 2 A   • at 110 V rated value 1 A   • at 125 V rated value 0.9 A   • at 125 V rated value 0.9 A   • at 125 V rated value 0.9 A   • at 125 V rated value 0.1 A    • at 125 V rated value 0.1 A   • at 600 V rated value 0.1 A    • at 600 V rated value 0.1 A    • at 600 V rated value 0.1 A    • at 480 V rated value 0.1 A    • at 480 V rated value 4.8 A   • at 600 V rated value 4.8 A   • at 600 V rated value 5.1 A    • pielded mechanical performance [hp] 6.1 A    • for single-phase AC motor 1.2 A   • at 600 V rated value 1.5 hp   • for 3-phase AC motor 1.5 hp   • at 200 V rated value 1.5 hp   • for 3-phase AC motor 1.5 hp   • at 200 V rated value 1.5 hp   • at 200 V rated value 1.5 hp   • at 200 V rated value 1.5 hp   • at 450 HaC V rated value 2 hp   • at 450 HaC V rated value 3 hp   • at 450 HaC V rated value 2 hp   • at 450 HaC V rated value 3 hp   • at 450 HaC V rated value 5 hp   • contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    conta	• at 600 V rated value	0.15 A
• at 24 V rated value 2 A   • at 48 V rated value 2 A   • at 60 V rated value 2 A   • at 110 V rated value 1 A   • at 125 V rated value 0.9 A   • at 125 V rated value 0.9 A   • at 125 V rated value 0.9 A   • at 125 V rated value 0.1 A    • at 125 V rated value 0.1 A   • at 600 V rated value 0.1 A    • at 600 V rated value 0.1 A    • at 600 V rated value 0.1 A    • at 480 V rated value 0.1 A    • at 480 V rated value 4.8 A   • at 600 V rated value 4.8 A   • at 600 V rated value 5.1 A    • pielded mechanical performance [hp] 6.1 A    • for single-phase AC motor 1.2 A   • at 600 V rated value 1.5 hp   • for 3-phase AC motor 1.5 hp   • at 200 V rated value 1.5 hp   • for 3-phase AC motor 1.5 hp   • at 200 V rated value 1.5 hp   • at 200 V rated value 1.5 hp   • at 200 V rated value 1.5 hp   • at 450 HaC V rated value 2 hp   • at 450 HaC V rated value 3 hp   • at 450 HaC V rated value 2 hp   • at 450 HaC V rated value 3 hp   • at 450 HaC V rated value 5 hp   • contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    contact rating of auxiliary contacts according to UL 1.5 hp    conta	operational current at DC-13	
e at 60 V rated value		10 A
	• at 48 V rated value	2 A
	• at 60 V rated value	2 A
	• at 110 V rated value	1 A
• at 600 V rated value  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 • at 600 V rated value • at 600 V rated value • at 110/120 V rated value • for single-phase AC motor  — at 110/120 V rated value • for 3-phase AC motor  — at 220/230 V rated value • at 220/230 V rated value — at 220/230 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value — at 690 V rated value — at 750 V rated value — at 750 V rated value — at 600 V rated value — at 750 V rated value — at 600 V rated value — at 750 V rated value — at 600 V rated value	at 125 V rated value	0.9 A
contact reliability of auxiliary contacts  If aulty 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 • at 600 V rated value • at 600 V rated value • at 600 V rated value • for single-phase AC motor  — at 110/120 V rated value • for 3-phase AC motor — at 220/230 V rated value • for 3-phase AC motor — at 220/230 V rated value • for 3-phase AC motor — at 220/230 V rated value • at 60/480 V rated value — at 460/480 V rated value — at 460/480 V rated value 5 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required fastening method • side-by-side mounting  fastening method • side-by-side mounting  required spacing	at 220 V rated value	0.3 A
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value	• at 600 V rated value	0.1 A
full-load current (FLA) for 3-phase AC motor  at 480 V rated value 5.1 A  yielded mechanical performance (hp)  for single-phase AC motor  at 110/120 V rated value 5.25 hp  at 230 V rated value 5.75 hp  for 3-phase AC motor  at 200/208 V rated value 5.8 hp  at 220/230 V rated value 2.8 hp  at 460/480 V rated value 3.8 hp  at 575/600 V rated value 5.8 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the main circuit  with type of coordination 1 required 6.7 so 4,6 (690V, 100kA), aM: 20A (690V, 100kA), BS88: 20A (415V, 80kA)  for short-circuit protection of the auxiliary switch required 9. G: 20A (690V, 100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)  for short-circuit protection of the auxiliary switch required 9. G: 20A (690V, 100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)  for short-circuit protection of the auxiliary switch required 9. G: 20A (690V, 100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)  for short-circuit protection of the auxiliary switch required 9. G: 20A (690V, 100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)  for short-circuit protection of the auxiliary switch required 9. G: 20A (690V, 100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)  for short-circuit protection of the auxiliary switch required 9. G: 20A (690V, 100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)  for short-circuit protection of the auxiliary switch required 9. G: 20A (690V, 100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)  for short-circuit protection of the auxiliary switch required 9. First and the sum of the su	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
at 480 V rated value at 600 V rated value  yielded mechanical performance [hp]  of or single-phase AC motor  — at 110/120 V rated value — at 230 V rated value — at 230 V rated value  of or 3-phase AC motor  — at 200/208 V rated value  1.5 hp — at 220/230 V rated value — at 460/480 V rated value — at 4575/600 V rated value — at 4575/600 V rated value — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  of or short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required  of short-circuit protection of the auxiliary switch required  for short-circuit protection of the auxiliary switch required  social (500 V, 10kA), aM: 20A (690V, 100kA), BS88: 20A (415V, 80kA)  of or short-circuit protection of the auxiliary switch required  social (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  screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  Yes  height  70 mm  width  depth  73 mm  required spacing	UL/CSA ratings	
* at 600 V rated value  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value — at 230 V rated value  • for 3-phase AC motor  — at 2200/208 V rated value — at 220/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value — at 675/600 V rated value — at 675/600 V rated value — at 697/800 V rated value      **Good V rated value  **Good V rated	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value — 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 4575/600 V rated value — at 575/600 V rated value 5 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required 96: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) — with type of assignment 2 required 96: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA) 96: 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 height 70 mm  width 45 mm  depth 73 mm  required spacing	• at 480 V rated value	4.8 A
• for single-phase AC motor  — at 110/120 V rated value — 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  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required 9G: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) • for short-circuit protection of the auxiliary switch required 9G: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions  mounting position  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  fastening method • side-by-side mounting  +/-180° rotation possible on vertical mounting surface fastening method • side-by-side mounting  +/-180° rotation possible on vertical mounting surface fastening method • side-by-side mounting  +/-180° rotation possible on vertical mounting surface fastening method • side-by-side mounting  +/-180° rotation possible on vertical mounting surface fastening method • side-by-side mounting  +/-180° rotation possible on vertical mounting surface fastening method • side-by-side mounting  -/-180° rotation possible on vertical mounting surface fastening method • side-by-side mounting  -/-180° rotation possible on vertical mounting surface fastening method • side-by-side mounting  -/-180° rotation possible on vertical mounting surface fastening method • side-by-side mounting  -/-180° rotation possible on vertical mounting surface  fastening method • side-by-side mounting  -/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting	at 600 V rated value	6.1 A
- 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 fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) 9 for short-circuit protection of the auxiliary switch required gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)  • for short-circuit protection of the auxiliary switch required 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 screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  Yes  height 70 mm  width 45 mm  required spacing	yielded mechanical performance [hp]	
- at 230 V rated value  • for 3-phase AC motor  - at 200/208 V rated value  - at 220/230 V rated value  - at 460/480 V rated value  - at 460/480 V rated value  - at 575/600 V rated value  - at 575/6	<ul> <li>for single-phase AC motor</li> </ul>	
for 3-phase AC motor         — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 575/600 V rated value         — A600 / Q600  Short-circuit protection  design of the fuse link         • for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         — with type of assignment 2 required         — with type of assignment 2 required         — for short-circuit protection of the auxiliary switch required         — for short-circuit protection of the auxiliary switch required         — for short-circuit protection of the auxiliary switch required         — with type of assignment 2 required	<ul> <li>— at 110/120 V rated value</li> </ul>	0.25 hp
- 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  • for short-circuit protection of the main circuit  — 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)  • for short-circuit protection of the auxiliary switch required 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 screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  • side-by-side mounting Yes  height 70 mm  width 45 mm  required spacing	— at 230 V rated value	0.75 hp
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 575/600 V rated value 5 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  • side-by-side mounting  yes  height 70 mm  width  depth 73 mm  required spacing	• for 3-phase AC motor	
- at 460/480 V rated value 5 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required 96: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)  • with type of assignment 2 required 96: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA)  • for short-circuit protection of the auxiliary switch required 96: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position	— at 200/208 V rated value	1.5 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  • for short-circuit protection of the main circuit  — with type of coordination 1 required 9G: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)  • with type of assignment 2 required 9G: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)  • for short-circuit protection of the auxiliary switch required 9G: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position 4-/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  fastening method 9crew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  • side-by-side mounting 45 mm  width 45 mm  depth 73 mm  required spacing	— at 220/230 V rated value	2 hp
contact rating of auxiliary contacts according to UL  A600 / Q600  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  [Sc: 20A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  [Installation/ mounting/ dimensions    for short-circuit protection of the auxiliary switch required    for short-circuit protection of the auxiliary switch required    for short-circuit protection of the auxiliary switch required    for short-circuit protection of the main circuit    for short-circuit protection of the main circuit    for short-circuit protection of the main circuit   for short-circuit protection of the main circuit   for short-circuit protection of the main circuit   for short-circuit protection of the main circuit   for short-circuit protection of the main circuit   for short-circuit protection of the main circuit   for short-circuit protection of the main circuit   for short-circuit protection of the main circuit   for short-circuit protection of the main circuit   for short-circuit protection of the main circuit   for short-circuit protection of the main circuit   for short-circuit protection of the main circuit   for short-circuit protection of the main circuit   for short-circuit protection of the main circuit   for short-circuit protection of the main circuit   for short-circuit protection of the main circuit   for short-circuit protection of the main circuit   for short-circuit protection of the main circuit   for short-circuit protection of the main circuit protectio	— at 460/480 V rated value	3 hp
design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required gG: 20A (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) 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 screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 • side-by-side mounting Yes  height 70 mm  width 45 mm  depth 73 mm  required spacing	— at 575/600 V rated value	5 hp
design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required — with type of assignment 2 required — with type of assignment 2 required — for short-circuit protection of the auxiliary switch required  — with type of assignment 2 required — for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  #/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  fastening method — side-by-side mounting  Yes  height  70 mm  width  45 mm  depth  73 mm  required spacing		A600 / Q600
• for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  — with type of coordination 1 required  — gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)  — gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)  — with type of assignment 2 required  — with type of coordination 1 required  — with type of assignment 2 required  — wi		
<ul> <li>— with type of coordination 1 required</li> <li>— with type of assignment 2 required</li> <li>— with type of assignment 2 required</li> <li>— for short-circuit protection of the auxiliary switch required</li> <li>■ for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions</li> <li>■ width</li> <li>■ side-by-side mounting</li> <li>■ width</li> <li>■ 45 mm</li> <li>■ required spacing</li> </ul>	-	
— with type of assignment 2 required of or short-circuit protection of the auxiliary switch required gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) 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 screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 of side-by-side mounting yes height 70 mm width 45 mm depth 73 mm	•	
<ul> <li>for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface</li> <li>fastening method</li> <li>side-by-side mounting</li> <li>Yes</li> <li>height</li> <li>width</li> <li>depth</li> <li>70 mm</li> <li>width</li> <li>depth</li> <li>required spacing</li> </ul>	**	
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		
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  height  70 mm  width  45 mm  depth  73 mm		gG: 10 A (500 V, 1 kA)
backward by +/- 22.5° on vertical mounting surface  fastening method		
● side-by-side mounting  Peight  70 mm  width  45 mm  depth  73 mm  required spacing	mounting position	
height 70 mm width 45 mm depth 73 mm required spacing	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
width 45 mm  depth 73 mm  required spacing	side-by-side mounting	Yes
depth 73 mm required spacing	height	70 mm
required spacing	width	45 mm
	depth	73 mm
with side-by-side mounting	required spacing	
	<ul><li>with side-by-side mounting</li></ul>	

— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
for grounded parts	
— 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	
type of electrical connection	
for main current circuit	spring-loaded terminals
for auxiliary and control circuit	spring-loaded terminals
at contactor for auxiliary contacts	Spring-type terminals
of magnet coil	Spring-type terminals
type of connectable conductor cross-sections for main contacts	, , , , , , , , , , , , , , , , , , , ,
• solid	2x (0.5 4 mm²)
solid or stranded	2x (0,5 4 mm²)
finely stranded with core end processing	2x (0.5 2.5 mm²)
finely stranded without core end processing	2x (0.5 2.5 mm²)
connectable conductor cross-section for main contacts	
• solid	0.5 4 mm²
stranded	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm²
finely stranded without core end processing	0.5 2.5 mm²
connectable conductor cross-section for auxiliary contacts	
solid or stranded	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm²
finely stranded without core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid or stranded	2x (0,5 4 mm²)
finely stranded with core end processing	2x (0.5 2.5 mm²)
finely stranded without core end processing	2x (0.5 2.5 mm²)
for AWG cables for auxiliary contacts	2x (20 12)
AWG number as coded connectable conductor cross	
section	
• for main contacts	20 12
for auxiliary contacts	20 12
Safety related data	
product function	
mirror contact according to IEC 60947-4-1	Yes
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %
with high demand rate according to SN 31920	73 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
T1 value for proof test interval or service life according to IEC 61508	20 a
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
suitability for use	
safety-related switching OFF	Yes
Certificates/ approvals	
General Product Approval	





Confirmation



<u>KC</u>



Functional
Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 



Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

## Marine / Shipping













Marine / Shipping

other

Railway

**Dangerous Good** 

**Environment** 



Confirmation



Vibration and Shock

**Transport Information** 

Environmental Confirmations

## **Further information**

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2015-2VB42

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-2VB42

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-2VB42

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

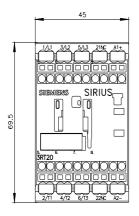
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2015-2VB42&lang=en

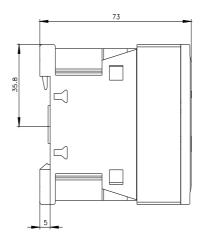
Characteristic: Tripping characteristics, I²t, Let-through current

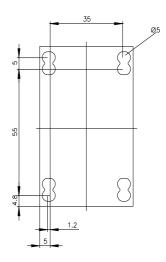
https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-2VB42/char

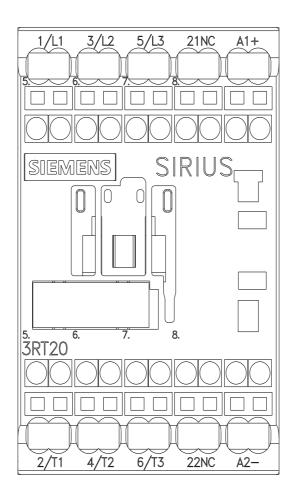
Further characteristics (e.g. electrical endurance, switching frequency)

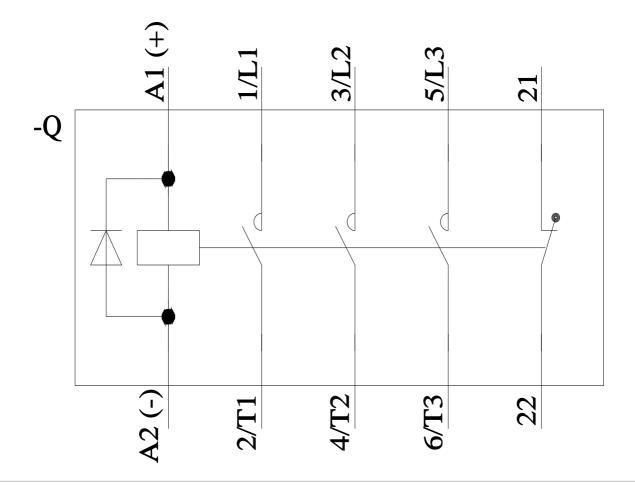
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-2VB42&objecttype=14&gridview=view1











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