3RT2024-1BB40-1AA0

**Data sheet** 



power contactor, AC-3e/AC-3, 12 A, 5.5 kW / 400 V, 3-pole, 24 V DC, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S0, upright mounting position

product designation 9round type designation 9round 19round 19r	product brand name	SIRIUS
product type designation 3RT2  General technical data  Size of contactor Size of contactor  **unction module for communication No equalisary switch Personal state of the current  **al AC in hot operating state Operating Op	•	Power contactor
Size of contactor    SO		3RT2
product extension  • function module for communication • function module for communication • auxilliary switch  power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole • at without load current share typical • of modulary circuit with degree of pollution 3 rated value • of auxilliary circuit with degree of pollution 3 rated value • of main circuit rated value • of auxilliary circuit with degree of pollution 3 rated value • of auxilliary circuit value value • of auxilliary auxilliary switch block typical • of the contactor with added auxilliary switch block typical • of the contactor with added auxilliary switch block typical • of the contactor with added auxilliary switch block typical • of the contactor with added auxilliary switch block typical • of the contactor with added auxilliary switch block typical • of the contactor with added auxilliary switch block typical • of the contactor with added auxill	General technical data	
• function module for communication • auxiliary switch  ves  power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole • at AC in hot operating state per pole • at AC in main circuit with degree of pollution 3 rated value • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit vated value • of auxiliary circuit rated value • at DC  above resistance at rectangular impulse • at DC  at DC  10g / 5 ms, 7.5g / 10 ms  shock resistance with sine pulse • at DC  10g / 5 ms, 7.5g / 10 ms  shock resistance with sine pulse • at DC  15g / 5 ms, 10g / 10 ms  mechanical service life (operating cycles) • of contactor vitin added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor obstactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch	size of contactor	SO
• auxiliary switch  power loss [W] for rated value of the current  • at AC in hot operating state per pole • at AC in hot operating state per pole • without load current share typical • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit rated value • at DC  10g / 5 ms, 7.5g / 10 ms  shock resistance at rectangular impulse • at DC  10g / 5 ms, 7.5g / 10 ms  shock resistance at rectangular impulse • at DC  10g / 5 ms, 10g / 10 ms  mechanical service life (operating cycles) • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switc	product extension	
power loss [W] for rated value of the current  at AC in hot operating state 0.9 W  at AC in hot operating state prole 0.3 W  without load current share typical 5.9 W  Insulation voltage  of main circuit with degree of pollution 3 rated value 690 V  of auxiliary circuit with degree of pollution 3 rated value 690 V  surge voltage resistance  of main circuit rated value 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  shock resistance at rectangular impulse  at DC 10g / 5 ms, 7,5g / 10 ms  shock resistance with sine pulse  of to contactor typical 1000 000  of the contactor with added electronically optimized auxiliary switch block typical 20 of the contactor with added auxiliary switch block typical 1000/1000  reference code according to IEC 81346-2 Q  Substance Prohibitance (Date) 1000/1000  methodictions  installation altitude at height above sea level maximum 2 000 m  ambient conditions  installation altitude at height above sea level maximum 2 000 m  aduring storage 5.5 +80 °C  relative humidity at 55 °C according to IEC 60068-2-30 maximum  maximum  Main circuit	• function module for communication	No
at AC in hot operating state at AC in hot operating state per pole at AC in hot operating state per pole without load current share typical  insulation voltage  of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of main circuit rated value of auxiliary circuit rated value of the contactoring to EN 60947-1  shock resistance at rectangular impulse of the Contactor with sine pulse of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor wit	auxiliary switch	Yes
at AC in hot operating state per pole without load current share typical without load current share typical  finsulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of main circuit rated value of main circuit rated value of auxiliary circuit rated value of the contactor with sine pulse of the contactor typical of the contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary swi	power loss [W] for rated value of the current	
insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value surge voltage resistance of main circuit rated value of auxiliary circuit rated value of at DC of contactor with sine pulse of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor typical of the contactor typical of the c	<ul> <li>at AC in hot operating state</li> </ul>	0.9 W
insulation voltage  of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value 690 V  surge voltage resistance of main circuit rated value 680 V  of auxiliary circuit rated value 6 kV  maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse of at DC  10g / 5 ms, 7,5g / 10 ms  shock resistance with sine pulse of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to EC 81346-2 Q Substance Prohibitance (Date)  Armbient conditions installation altitude at height above sea level maximum ambient temperature of during storage of relative humidity minimum 10 %  relative humidity minimum 10 %  Main circuit  Main circuit  Main circuit  e of main circuit with degree of pollution 3 rated value 690 V  6 kV  6 kV  400 V  000 V  000 V  000 Toms  900 Toms  9	<ul> <li>at AC in hot operating state per pole</li> </ul>	0.3 W
of main circuit with degree of pollution 3 rated value     of auxiliary circuit with degree of pollution 3 rated value     surge voltage resistance     of main circuit rated value     of auxiliary circuit rated value     of kV  maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse     of the C     at DC     10g / 5 ms, 7,5g / 10 ms  shock resistance with sine pulse     of contactor life (operating cycles)     of contactor typical     of the contactor with added electronically optimized auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block t	<ul> <li>without load current share typical</li> </ul>	5.9 W
of auxiliary circuit with degree of pollution 3 rated value  surge voltage resistance     of main circuit rated value     of of auxiliary circuit rated value     of auxiliary circuit rated value     of of auxiliary circuit rated value     of of auxiliary circuit rated value      of of auxiliary circuit rated value     of the contact according to EN 60947-1  shock resistance at rectangular impulse     of DC     of Shock resistance with sine pulse     of DC     of contactor typical     of the contactor with added electronically optimized auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contacto	insulation voltage	
surge voltage resistance  of main circuit rated value  of auxiliary circuit rated value  of auxiliary circuit rated value  of auxiliary circuit rated value  of kV  maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse  oat DC  10g / 5 ms, 7,5g / 10 ms  shock resistance with sine pulse  oat DC  15g / 5 ms, 10g / 10 ms  mechanical service life (operating cycles)  of contactor typical  of the contactor with added electronically optimized auxiliary switch block typical  of the contactor with added electronically optimized  auxiliary switch block typical  of the contactor with added electronically optimized  auxiliary switch block typical  of the contactor with added electronically opti	<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
of main circuit rated value     of auxiliary circuit rated value     of auxiliary circuit rated value     of auxiliary circuit rated value     of kV  maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse     oat DC     10g / 5 ms, 7,5g / 10 ms  shock resistance with sine pulse     oat DC     15g / 5 ms, 10g / 10 ms  mechanical service life (operating cycles)     of contactor typical     of the contactor with added electronically optimized auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor w	<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	690 V
of auxiliary circuit rated value     maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse	surge voltage resistance	
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1  shock resistance at rectangular impulse  • at DC  10g / 5 ms, 7,5g / 10 ms  shock resistance with sine pulse  • at DC  15g / 5 ms, 10g / 10 ms  mechanical service life (operating cycles)  • of contactor typical  • of the contactor with added electronically optimized auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with a	<ul> <li>of main circuit rated value</li> </ul>	6 kV
shock resistance at rectangular impulse  • at DC  shock resistance with sine pulse  • at DC  15g / 5 ms, 10g / 10 ms  mechanical service life (operating cycles)  • of contactor typical  • of the contactor with added electronically optimized auxiliary switch block typical  • of the contactor with added auxilia	<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
• at DC  shock resistance with sine pulse • at DC  15g / 5 ms, 10g / 10 ms  mechanical service life (operating cycles)  • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical  10 000 000  reference code according to IEC 81346-2 Q Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature • during operation • during storage • during storage  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit		400 V
shock resistance with sine pulse  at DC  15g / 5 ms, 10g / 10 ms  mechanical service life (operating cycles)  of contactor typical  of the contactor with added electronically optimized auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  of the contactor with added auxiliary switch block typical  10 000 000  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  of during operation  of contactor with added electronically optimized auxiliary switch block typical  10 000 000  reference code according to EC 81346-2  Q  Substance Prohibitance (Date)  10/01/2009  Ambient conditions  installation altitude at height above sea level maximum  2 000 m  ambient temperature  of during operation  of contactor with added electronically optimized auxiliary switch block typical  10 000 000  000  000  000  000  000	shock resistance at rectangular impulse	
• at DC  mechanical service life (operating cycles)  • of contactor typical  • of the contactor with added electronically optimized auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added electronically optimized  5 000 000  • 10 000 000	• at DC	10g / 5 ms, 7,5g / 10 ms
mechanical service life (operating cycles)  • of contactor typical  • of the contactor with added electronically optimized auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  • of the contactor with added auxiliary switch block typical  10 000 000  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  2 000 m  ambient temperature  • during operation  • during storage  -55 +60 °C  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit	shock resistance with sine pulse	
of contactor typical     of the contactor with added electronically optimized auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical     10 000 000  reference code according to IEC 81346-2 Q Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum 2 000 m  ambient temperature     oduring operation     oduring storage     oduring storage     relative humidity minimum 10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  10 000 000  10 000 000  10 000 000  10 000 00	• at DC	15g / 5 ms, 10g / 10 ms
of the contactor with added electronically optimized auxiliary switch block typical     of the contactor with added auxiliary switch block typical     of the contactor with added auxiliary switch block typical      reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature     oduring operation     oduring storage  relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 maximum  main circuit  5 000 000  10 000  0 000  Q  2 000 m  2 000 m  2 000 m  2 000 m  3 000 m  4 000 m  5 000 000  0	mechanical service life (operating cycles)	
auxiliary switch block typical  of the contactor with added auxiliary switch block typical  reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  of during operation  during storage  relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  10 000 000  10 0	<ul> <li>of contactor typical</li> </ul>	10 000 000
reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit		5 000 000
Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit	<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
installation altitude at height above sea level maximum  ambient temperature  during operation during storage  relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit  2 000 m  -25 +60 °C  -25 +80 °C  10 %  95 %	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit	Substance Prohibitance (Date)	10/01/2009
ambient temperature  • during operation • during storage  -25 +60 °C  • during storage  -55 +80 °C  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit	Ambient conditions	
<ul> <li>during operation</li> <li>during storage</li> <li>telative humidity minimum</li> <li>maximum</li> <li>10 %</li> <li>10 %<td>installation altitude at height above sea level maximum</td><td>2 000 m</td></li></ul>	installation altitude at height above sea level maximum	2 000 m
• during storage  relative humidity minimum  10 %  relative humidity at 55 °C according to IEC 60068-2-30 maximum  Main circuit	ambient temperature	
relative humidity minimum  relative humidity at 55 °C according to IEC 60068-2-30 95 %  maximum  Main circuit	<ul> <li>during operation</li> </ul>	-25 +60 °C
relative humidity at 55 °C according to IEC 60068-2-30 95 % maximum  Main circuit	during storage	-55 +80 °C
maximum Main circuit	relative humidity minimum	10 %
		95 %
number of poles for main current circuit 3	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	40 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated	40 A
value	05.4
<ul> <li>up to 690 V at ambient temperature 60 °C rated value</li> </ul>	35 A
• at AC-3	
— at 400 V rated value	12 A
— at 500 V rated value	12 A
— at 690 V rated value	9 A
• at AC-3e	
— at 400 V rated value	12 A
— at 500 V rated value	12 A
	9 A
— at 690 V rated value	
at AC-4 at 400 V rated value     at AC-5 aug to 600 V rated value	12.5 A
at AC-5a up to 690 V rated value	35.2 A
at AC-5b up to 400 V rated value	9.9 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	11.4 A
— up to 400 V for current peak value n=20 rated value	11.4 A
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	11.3 A
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	9 A
• at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	7.6 A
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	7.6 A
— up to 500 V for current peak value n=30 rated value	7.6 A
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	7.6 A
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm <sup>2</sup>
operational current for approx. 200000 operating cycles at	
AC-4	
• at 400 V rated value	5.5 A
• at 690 V rated value	5.5 A
operational current	
at 1 current path at DC-1	
— at 24 V rated value	35 A
— at 60 V rated value	20 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
with 2 current paths in series at DC-1	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 110 V rated value  — at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
with 3 current paths in series at DC-1	05.4
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	35 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	

at 24 V rated value at 110 V rated value at 120 V rated value at 24 V rated value at 440 V rated value at 340 V rated value at 36 V rated value at 36 V rated value at 36 V rated value at 37 V rated value at 38 V rated value at 40 V rated value at 40 V rated value at 40 V rated value at 50 V rated value		
	— at 24 V rated value	20 A
	— at 60 V rated value	5 A
	— at 110 V rated value	2.5 A
	— at 220 V rated value	1 A
with 2 current paths in series at DC-3 at DC-5	— at 440 V rated value	0.09 A
	— at 600 V rated value	0.06 A
	<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
	— at 24 V rated value	35 A
	— at 60 V rated value	35 A
	— at 110 V rated value	15 A
with 3 current paths in series at DC-3 at DC-5	— at 220 V rated value	3 A
- with 3 current paths in series at DC-3 at DC-5 - at 24 V rated value - at 10 V rated value - at 110 V rated value - at 22 V rated value - at 400 V rated value - at 600 V rated value	— at 440 V rated value	0.27 A
	— at 600 V rated value	0.16 A
	<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
	·	35 A
at AC-2 at 400 V rated value   5.5 kW     at AC-3   at 230 V rated value   5.5 kW     at AC-3   at 230 V rated value   5.5 kW     at 400 V rated value   5.5 kW     at 400 V rated value   5.5 kW     at 400 V rated value   5.5 kW     at AC-3e   at 230 V rated value   7.5 kW     at AC-3e   at 230 V rated value   7.5 kW     at AC-3e   at 230 V rated value   7.5 kW     at AC-3e   at 230 V rated value   7.5 kW     at AC-3e   at 230 V rated value   7.5 kW     at 400 V rated value   5.5 kW     at 500 V rated value   5.5 kW     at 500 V rated value   7.5 kW     at 400 V rated value   7.5 kW     at 400 V rated value   7.5 kW     at 400 V rated value   4.5 kW     at 400 V rated value   4.5 kW     at 400 V rated value   4.5 kW     at 500 V rated value   4.5 kW     at 690 V rated value   7.5 kW     at 690 V rater t peak value n=20 rated value   7.5 kW     at 90 to 600 V for current peak value n=20 rated value   9.8 kVA     at 90 to 500 V for current peak value n=20 rated value   9.8 kVA     at 90 to 500 V for current peak value n=30 rated value   9.8 kVA     at 90 to 500 V for current peak value n=30 rated value   9.8 kVA     at 90 to 500 V for current peak value n=30 rated value   9.8 kVA     at 90 to 500 V for current peak value n=30 rated value   9.8 kVA     at 90 to 500 V for current peak value n=30 rated value   9.8 kVA     at 90 to 500 V for current peak value n=30 rated value   9.8 kVA     at 90 to 500 V for current peak value n=30 rated value   9.8 kVA     at 90 to 500 V for current peak value n=30 rated value   9.8 kVA     at 90 to 500 V for current peak value n=30 rated value   9.8 kVA     at 90 to 500 V for current peak value n=30 rated value   9.8 kVA     at 90 to 500 V for cu		
at AC-2 at 400 V rated value		
• at AC-2 at 400 V rated value • at AC-3 — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 690 V rated value — at 690 V rated value — at 800 V rated value — at 400 V rated value — at 55.5 kW — at 500 V rated value — at 500 V rated value — at 690 V rated value — at 600 V rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 690 V V for current peak value n=30 rated value — up to 500		0.071
at AC-3     at 230 V rated value     at 40 OV rated value     at 40 OV rated value     at 500 V rated value     at 500 V rated value     at 60-3e     at 62-3e     at 230 V rated value     at 60-3e     at 230 V rated value     at 60-7e		5 5 P/W
- at 230 V rated value		U.U NYY
at 400 V rated value		2 144/
- at 500 V rated value		
at 230 V rated value		7.5 KW
- at 400 V rated value - at 500 V rated value - at 690 V rated value - at 690 V rated value  operating power for approx. 200000 operating cycles at AC- 4  • at 400 V rated value • at 690 V rated value • up to 230 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • limited to 1 s switching at zero current maximum • limited to 5 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum  100 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum  105 A; Use minimum cross-section acc. to AC-1 rated value • at AC-2 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum 1000 1/h • at AC-3 emaximum 1000 1/h • at AC-3 emaximum 1000 1/h		
- at 500 V rated value - at 690 V rated value		
operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value • at 690 V rated value • up to 230 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • but to 500 V for current peak value n=30 rated value • but to 500 V for current peak value n=30 rated value • but to 600 V for current peak value n=30 rated value • but to 600 V for current peak value n=30 rated value • but to 600 V for current peak value n=30 rated value • limited to 1 s switching at zero current maximum • limited to 5 s switching at zero current maximum • limited to 5 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limi		
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● at DC  operating frequency  ● at AC-1 maximum  • at AC-2 maximum  • at AC-3 maximum  • at AC-3e maximum  • at AC-3e maximum  1 000 1/h  1 000 1/h  1 000 1/h		105 A; Use minimum cross-section acc. to AC-1 rated value
operating frequency         • at AC-1 maximum       1 000 1/h         • at AC-2 maximum       1 000 1/h         • at AC-3 maximum       1 000 1/h         • at AC-3e maximum       1 000 1/h		
<ul> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3e maximum</li> <li>1 000 1/h</li> <li>1 000 1/h</li> <li>1 000 1/h</li> </ul>		1 500 1/h
<ul> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3e maximum</li> <li>1 000 1/h</li> <li>1 000 1/h</li> </ul>		
<ul> <li>at AC-3 maximum</li> <li>at AC-3e maximum</li> <li>1 000 1/h</li> <li>1 000 1/h</li> </ul>		
• at AC-3e maximum 1 000 1/h	• at AC-2 maximum	1 000 1/h
	• at AC-3 maximum	1 000 1/h
• at AC-4 maximum 300 1/h	• at AC-3e maximum	1 000 1/h
	• at AC-4 maximum	300 1/h

stype of voltage of the control supply voltage centrol supply voltage at DC  * Indicated value  operating range factor control supply voltage rated value of registed of all of C  * Indicated value  operating range factor control supply voltage rated value of registed of all of C  * Indicated value  * Indicated value	Control circuit/ Control	
Control supply voltage at DC		DC
* rated value   24 V		
operating range factor control supply vottage rated value of magnet coll at DC  initial value  closing power of magnet coll at DC  5.5 W  holding power of magnet coll at DC  5.5 W  in DC  initial value  1.1  closing power of magnet coll at DC  5.5 W  in DC  5.5 W  closing delay  at DC  15 18 ms  arcing time  10 10 ms  control varsion of the switch operating mechanism  Availary circuit  number of NC contacts for auxiliary contacts instantaneous  ordinated at NC contacts for auxiliary contacts  10 A  4 at 000 V rated value  4 at 000 V rated value  5 at 000 V rated value  6 A  6 A  6 A  6 A  6 A  6 A  6 A  6		24 V
Full function value   1.1		
Closing power of magnet coil at DC	• initial value	0.8
Indiang power of magnet coil at DC   So 170 ms   So	• full-scale value	1.1
■ at DC	closing power of magnet coil at DC	5.9 W
• at DC opening delay • at DC arcing time control version of the switch operating mechanism control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous control.  personal current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value • at 800 V rated value • at 900 V rated value • at 800 V rated value • at 125 V rated value • at 120 V rated valu	holding power of magnet coil at DC	5.9 W
opening delay  • at DC  • at D	closing delay	
# at DC   15 18 ms   arcing time   10 10 ms	• at DC	50 170 ms
arcing time	opening delay	
Control version of the switch operating mechanism	• at DC	15 18 ms
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum oporational current at AC-12 maximum oporational current at AC-12 maximum oporational current at AC-12 maximum  10 A oporational current at AC-12 maximum 10 A oporational current at AC-12 maximum 10 A oporational current at DC-12 ot at 500 V rated value 1 A oporational current at DC-12 ot at 24 V rated value 1 A oporational current at DC-12 ot at 24 V rated value 1 A ot 60 V rated value 1 A ot 60 V rated value 1 A ot 22 W rated value 1 A ot 22 W rated value 1 A ot 22 W rated value 1 A ot 60 V rated value 1 A ot 22 W rated value 1 A ot 60 V rated value 1 A ot 24 V rated value 2 A ot 60 V rated value 1 A ot 24 V rated value 1 A ot 25 V rated value 1 A ot 10 V rated value 1 A ot 50 V rated value 1 A ot 60 V rated value 1 A	arcing time	10 10 ms
	control version of the switch operating mechanism	Standard A1 - A2
contact number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 800	Auxiliary circuit	
Departional current at AC-15     at 230 V rated value		1
Operational current at AC-15	•	1
• at 230 V rated value	operational current at AC-12 maximum	10 A
at 400 V rated value	operational current at AC-15	
* at 500 V rated value 1 A  * at 690 V rated value 1 A  operational current at DC-12  * at 24 V rated value 6 A  * at 48 V rated value 6 A  * at 48 V rated value 6 A  * at 60 V rated value 6 A  * at 110 V rated value 2 A  * at 220 V rated value 1 A  * at 220 V rated value 1 A  * at 220 V rated value 1 A  * at 24 V rated value 2 A  * at 30 V rated value 2 A  * at 110 V rated value 2 A  * at 110 V rated value 1 A  * at 125 V rated value 1 A  * at 126 V rated value 1 A  * at 127 V rated value 1 A  * at 128 V rated value 1 A  * at 128 V rated value 1 A  * at 200 V ra	• at 230 V rated value	10 A
• at 690 V rated value	at 400 V rated value	
Operational current at DC-12		
		1 A
	•	
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     operational current at DC-13      • at 24 V rated value     at 460 V rated value     at 600 V rated value     at 600 V rated value     at 600 V rated value     at 110 V rated value     at 110 V rated value     at 125 V rated value     at 125 V rated value     at 125 V rated value     at 200 V rated value     at 300 V rated value     at 480 V rated value     at 480 V rated value     at 480 V rated value     at 11 A  yielded mechanical performance [hp]     • for single-phase AC motor     — at 110/120 V rated value     at 200 V rated value     at 4600 V rated value     at 4600 V rated value     at 250600 V rated value     at 2600 V rated value     at 2600 V recounter training of auxiliary contacts according to UL  Short-circuit protection design of the fuse link		
• at 220 V rated value • at 600 V rated value • at 600 V rated value  operational current at DC-13 • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 10 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 260 V rated value • at 260 V rated value • at 260 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 480 V rated value • at 230 V rated value • at 110 V rated value • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • at 200/208 V rated value • at 3 hp • at 220/230 V rated value • at 480/480 V rated value • at 4575/600 V rated value • at 575/600 V rated value • at 575/600 V rated value • of the fuse link  Short-circuit protection  design of the fuse link		
• at 600 V rated value		
operational current at DC-13  • at 24 V rated value		
• at 24 V rated value		0.15 A
<ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 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 480 V rated value</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 7 In A</li> <li>at 7 In</li></ul>	•	40 A
<ul> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>0.3 A</li> <li>at 600 V rated value</li> <li>0.1 A</li> </ul> contact reliability of auxiliary contacts <ul> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> </ul> UL/CSA ratings full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>11 A</li> </ul> yielded mechanical performance [hp] <ul> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>for 3-phase AC motor</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 200/208 V rated value</li> <li>3 hp</li> <li>at 200/230 V rated value</li> <li>at 460/480 V rated value</li> <li>7.5 hp</li> <li>at 575/600 V rated value</li> <li>10 hp</li> </ul> contact rating of auxiliary contacts according to UL <ul> <li>A600 / P600</li> </ul> Short-circuit protection design of the fuse link		
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 11 A  yielded mechanical performance [hp]  for single-phase AC motor  at 110/120 V rated value at 230 V rated value at 250/230 V rated value at 250/230 V rated value at 250/230 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value be at 575/600 V rated value at 575/600 V rated value		
at 125 V rated value at 220 V rated value at 600 V rated value  outside the first state of the fuse link  at 125 V rated value  outside the fuse link  outside		
at 220 V rated value 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  11 A  at 600 V rated value  11 A  yielded mechanical performance [hp]  for single-phase AC motor  - at 110/120 V rated value  1 hp  - at 230 V rated value  2 hp  for 3-phase AC motor  - at 200/208 V rated value  3 hp  - at 220/230 V rated value  - at 460/480 V rated value  7.5 hp  - at 575/600 V rated value  10 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link		
ontact reliability of auxiliary contacts  full-load current (FLA) for 3-phase AC motor     ontact reliability of auxiliary contacts  full-load current (FLA) for 3-phase AC motor     ontact rating of auxiliary contacts  full-load current (FLA) for 3-phase AC motor     ontact rating of auxiliary contacts according to UL  11 A  12 A  13 A  14 A  15 A  16 A  17 A  18 A  18 A  19 A  19 A  10 A  10 A  11 A		
contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  11 A  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value  1 hp  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  3 hp  — at 220/230 V rated value  3 hp  — at 460/480 V rated value  7.5 hp  — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link		
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  11 A  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value 1 hp — at 230 V rated value 2 hp  • for 3-phase AC motor  — at 200/208 V rated value 3 hp — at 220/230 V rated value 3 hp — at 460/480 V rated value 7.5 hp — at 575/600 V rated value 10 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link		
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  11 A  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value  1 hp — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  3 hp — at 220/230 V rated value  3 hp — at 460/480 V rated value  — at 575/600 V rated value  10 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link		,
<ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>11 A</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor  — at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 200/208 V rated value</li> <li>3 hp</li> <li>at 220/230 V rated value</li> <li>3 hp</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> <li>10 hp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>Short-circuit protection</li> <li>design of the fuse link</li> </ul>		
at 600 V rated value  yielded mechanical performance [hp]  of for single-phase AC motor  — at 110/120 V rated value — at 230 V rated value  of 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  to hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link		11 A
yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value 1 hp — at 230 V rated value 2 hp  • for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 3 hp — at 460/480 V rated value 7.5 hp — at 575/600 V rated value 10 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link		
<ul> <li>for single-phase AC motor  — at 110/120 V rated value 1 hp — at 230 V rated value 2 hp </li> <li>for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 3 hp — at 460/480 V rated value 7.5 hp — at 575/600 V rated value 10 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link</li> </ul>		
- at 110/120 V rated value 1 hp 1 at 230 V rated value 2 hp  ● for 3-phase AC motor - at 200/208 V rated value 3 hp - at 220/230 V rated value 3 hp - at 460/480 V rated value 7.5 hp - at 575/600 V rated value 10 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link		
- at 230 V rated value 2 hp  • for 3-phase AC motor  - at 200/208 V rated value 3 hp  - at 220/230 V rated value 3 hp  - at 460/480 V rated value 7.5 hp  - at 575/600 V rated value 10 hp  contact rating of auxiliary contacts according to UL A600 / P600  Short-circuit protection  design of the fuse link		1 hp
- at 200/208 V rated value 3 hp - at 220/230 V rated value 3 hp - at 460/480 V rated value 7.5 hp - at 575/600 V rated value 10 hp  contact rating of auxiliary contacts according to UL A600 / P600  Short-circuit protection design of the fuse link	— at 230 V rated value	
- at 220/230 V rated value 3 hp - at 460/480 V rated value 7.5 hp - at 575/600 V rated value 10 hp  contact rating of auxiliary contacts according to UL A600 / P600  Short-circuit protection design of the fuse link	• for 3-phase AC motor	
- at 460/480 V rated value 7.5 hp - at 575/600 V rated value 10 hp  contact rating of auxiliary contacts according to UL A600 / P600  Short-circuit protection design of the fuse link	— at 200/208 V rated value	3 hp
— at 575/600 V rated value 10 hp  contact rating of auxiliary contacts according to UL A600 / P600  Short-circuit protection  design of the fuse link	— at 220/230 V rated value	3 hp
contact rating of auxiliary contacts according to UL  A600 / P600  Short-circuit protection  design of the fuse link	— at 460/480 V rated value	7.5 hp
Short-circuit protection design of the fuse link	— at 575/600 V rated value	10 hp
design of the fuse link	contact rating of auxiliary contacts according to UL	A600 / P600
	Short-circuit protection	
• for short circuit protection of the main circuit	design of the fuse link	
▼ 101 Short-circuit protection of the main circuit	<ul> <li>for short-circuit protection of the main circuit</li> </ul>	

<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 63A (690V,100kA), aM: 32A (690V,100kA), BS88: 63A (415V,80kA)
— with type of assignment 2 required	gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA)
for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	go. 10.11 (cto 1, 11.11)
mounting position	standing, on horizontal 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	85 mm
width	45 mm
depth	107 mm
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
<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	
type of electrical connection	
• for main current circuit	screw-type terminals
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections for main contacts	
• solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)
<ul> <li>solid or stranded</li> </ul>	2x (1 2.5 mm²), 2x (2.5 10 mm²)
finely stranded with core end processing	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
connectable conductor cross-section for main contacts	
• solid	1 10 mm²
• stranded	1 10 mm²
finely stranded with core end processing	1 10 mm²
connectable conductor cross-section for auxiliary contacts	
solid or stranded	0.5 2.5 mm²
finely stranded with core end processing	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)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)
AWG number as coded connectable conductor cross section	
• for main contacts	16 8
for auxiliary contacts	20 14
Safety related data	
product function	
mirror contact according to IEC 60947-4-1	Yes
suitability for use safety-related switching OFF	Yes
B10 value with high demand rate according to SN 31920	450 000
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 IP20

protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529

finger-safe, for vertical contact from the front

Certificates/ approvals

## **General Product Approval**



Confirmation





<u>KC</u>



EMC

Functional Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 



Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

## Marine / Shipping













other

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=3RT2024-1BB40-1AA0

Cax online generator

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2024-1BB40-1AA0

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

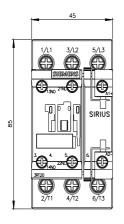
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2024-1BB40-1AA0&lang=en

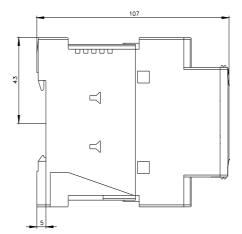
Characteristic: Tripping characteristics, I2t, Let-through current

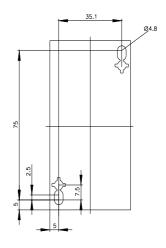
https://support.industry.siemens.com/cs/ww/en/ps/3RT2024-1BB40-1AA0/char

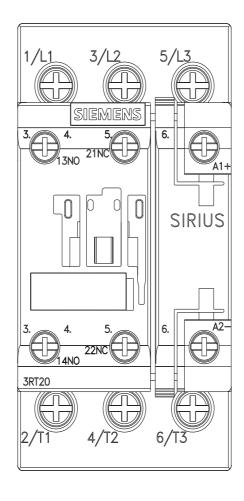
Further characteristics (e.g. electrical endurance, switching frequency)

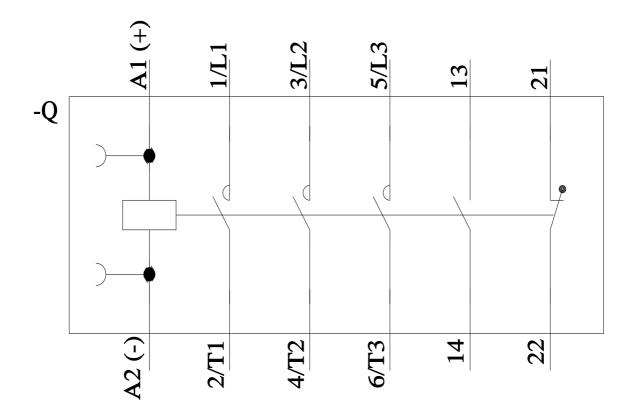
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2024-1BB40-1AA0&objecttype=14&gridview=view1











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3RT20241BB401AA0