## **SIEMENS**

Data sheet 3RT2025-1AG24



power contactor, AC-3e/AC-3, 17 A, 7.5 kW / 400 V, 3-pole, 110 V AC, 50/60 Hz, auxiliary contacts: 2 NO + 2 NC, screw terminal, size: S0, removable auxiliary switch

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S0
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>	1.8 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	0.6 W
without load current share typical	2 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	690 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	6 kV
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 AC	7,5g / 5 ms, 4,7g / 10 ms
shock resistance with sine pulse	
• at AC	11,8g / 5 ms, 7,4g / 10 ms
mechanical service life (operating cycles)	
of contactor typical	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	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 %
Environmental footprint	

Global Warming Peterhal (COZ ed) buts    74 2 kg	Environmental Product Declaration(EPD)	Yes
1.9 kg   1		
Cicked Warming Protential (COZ erg) during operation   72.4 kg		
Global Warming Potential (CO2 eq) after end of life		
Main current circuit   3	<u> </u>	·
number of poles for main current circuit 3 number of NO contacts for main contacts 3 operating vottage		-0.117 kg
number of NO contacts for main contacts  operating voltage		3
operating voltage  ● at AC-3 rated value maximum  ● at AC-3 rated value maximum  For at AC-3 rated value maximum  ● at AC-1 4 40 V at ambient temperature 40 "C rated value  ■ up to 690 V at ambient temperature 40 "C rated value  ■ up to 690 V at ambient temperature 60 "C rated value  ■ up to 690 V at ambient temperature 60 "C rated value  ■ at AC-3  ■ at 400 V rated value  ■ at 690 V rated value  ■ at AC-3  ■ at AC-3 at AC-3  ■ at AC-3 to 7 rated value  ■ at AC-3 to 9 to 690 V rated value  ■ at AC-5 to p to 400 V rated value  ■ at AC-5 to p to 400 V rated value  ■ at AC-5 to p to 400 V rated value  ■ at AC-5 to p to 500 V for current peak value n=20 rated value  ■ up to 500 V for current peak value n=20 rated value  ■ up to 500 V for current peak value n=20 rated value  ■ up to 500 V for current peak value n=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 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  ■ at 600 V rated value  ■	<u> </u>	
• at AC-3 related value maximum • at AC-3 related value maximum • at AC-3 related value maximum • at AC-1 at 400 V at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 60 °C rated value • up to 690 V at ambient temperature 60 °C rated value — up to 690 V at ambient temperature 60 °C rated value — at 600 V rated value — at 690 V rated value — up to 230 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 690 V for current peak value n=30 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 690 V for current peak value n=30 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 690 V for current peak value n=30 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 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — at 600 V rated value		·
• at AC-3e rated value maximum  operational current  • at AC-1 at 400 V at ambient temperature 40 °C rated value  • at AC-1  — up to 690 V at ambient temperature 60 °C rated value  — up to 690 V at ambient temperature 60 °C rated value  • at AC-3  — at 400 V rated value  • at AC-3  — at 400 V rated value  • at AC-3  — at 690 V rated value  — at 590 V rated value  — at 690 V rated value  — at 690 V rated value  • at AC-3  — at 400 V rated value  — at 690 V rated value  — at 690 V rated value  • at AC-5 up to 690 V rated value  • at AC-5 up to 690 V rated value  • at AC-5 up to 690 V rated value  • at AC-5 up to 690 V rated value  • at AC-5 up to 690 V rated value  • at AC-6 up to 690 V rated value  • at AC-6 up to 690 V rated value  • at AC-6 up to 690 V rated value  • at AC-6 up to 690 V rated value  • at AC-6 up to 590 V rated value  • at AC-6 up to 590 V rated value  • at AC-6 up to 590 V rated value  • at AC-6 up to 590 V rated value  • at AC-6 up to 590 V rated value  • at AC-6 up to 590 V for current peak value n=20 rated value  — up to 590 V for current peak value n=20 rated value  — up to 690 V for current peak value n=20 rated value  — up to 690 V for current peak value n=30 rated value  — up to 400 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 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 400 V for current peak value n=30 rated value  — up to 400 V for current peak value  • at 600 V rated value  • at 400 V rated value  • at 400 V rated value  • at 600 V rated value  — at 400 V rated value  — at 400 V rated value  — at 600 V rated value  — a		690 V
operational current		
at AC-1 at 400 V at ambient temperature 40 °C rated value		
— up to 690 V at ambient temperature 40 °C rated value   — up to 690 V at ambient temperature 60 °C rated value   — at 20 V rated value   17 A   — at 690 V rated value   18 A   — at 600 V rated value   18 A   — at 600 V rated value   18 A   — at 600 V rated value   — at 60-60 a   — up to 230 V for current peak value n=20 rated value   — up to 400 V for current peak value n=20 rated value   — up to 500 V for current peak value n=20 rated value   — up to 500 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   — 7.6 A   — up to 500 V for current peak value n=30 rated value   — 7.6 A   — up to 500 V for current peak value n=30 rated value   7.6 A   — up to 500 V for current peak value n=30 rated value   7.6 A   — up to 500 V for current peak value n=30 rated value   7.7 A   — at 600 V rated value   — at 100 V rated value   — at 600 V	• at AC-1 at 400 V at ambient temperature 40 °C rated	40 A
value  — up to 890 V at ambient temperature 60 °C rated value  ■ at AC-3  — at 400 V rated value — at 590 V rated value — at 590 V rated value — at 990 V rated value — at 900 V rated value — at 800 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 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=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 500 V for current peak value n=30 rated value — up to 600 V for current peak value n=30 rated value — up to 600 V for current peak value n=30 rated value  — up to 600 V for current peak value n=30 rated value  7.7 A  • at 600 V rated value  • at 100 V rated value — at 100 V rated value — at 100 V rated value — at 400 V rated value — at 50 V rated value — at 50 V rated value — at 600 V	• at AC-1	
value  ■ at AC-3  — at 400 V rated value — at 869 0 V rated value — up to 400 V for current peak value n=20 rated value — up to 400 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 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 — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — at 800 V for current peak value n=30 rated value — at 800 V for current peak value n=30 rated value — at 800 V rat		40 A
	value	35 A
at 500 V rated value at 600 V rated value at		47.0
■ at AC-3e  — at 400 V rated value  — at 500 V rated value  — at 690 V rated value  — at 690 V rated value  — at 690 V rated value  ■ at AC-4 at 400 V rated value  ■ at AC-5a up to 690 V rated value  ■ at AC-5a up to 690 V rated value  ■ at AC-5a up to 400 V rated value  ■ up to 230 V for current peak value n=20 rated value  — up to 400 V for current peak value n=20 rated value  — up to 500 V for current peak value n=20 rated value  — up to 500 V for current peak value n=20 rated value  — up to 500 V for current peak value n=20 rated value  — up to 500 V for current peak value n=20 rated value  — up to 500 V for current peak value n=20 rated value  — up to 500 V for current peak value n=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  — 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 690 V for current peak value n=30 rated value  — operational current for approx. 200000 operating cycles at AC-4  ■ at 400 V rated value  — at 60 V rated valu		
at 400 V rated value		13 A
at 500 V rated value at 690 V rated value at 26 V rated value at 690 V rated value at 6		17 A
at AC-4 at 400 V rated value  at AC-5a up to 690 V rated value  at AC-5a up to 690 V rated value  at AC-5a  — up to 230 V for current peak value n=20 rated value  — up to 400 V for current peak value n=20 rated value  — up to 500 V for current peak value n=20 rated value  — up to 500 V for current peak value n=20 rated value  — up to 590 V for current peak value n=20 rated value  — up to 230 V for current peak value n=30 rated value  — up to 900 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 800 V for current peak value n=30 rated value  — up to 800 V for current peak value n=30 rated value  — up to 800 V for current peak value n=30 rated value  — at 400 V rated value  — at 100 V rated value  — at 24 V rated value  — at 22 V rated value  — at 22 V rated value  — at 22 V rated value  — at 440 V rated value  — at 220 V rated value  — at 24 V rated value  — at 220 V rated value  — at 240 V ra		
at AC-4 at 400 V rated value     at AC-5a up to 690 V rated value     at AC-5a up to 690 V rated value     at AC-6a     at AC-6a     — up to 230 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 500 V for current peak value n=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 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     — at 400 V rated value     — at 400 V rated value     — at 600 V rated value     — at 24 V rated value     — at 24 V rated value     — at 24 V rated value     — at 440 V rated value     — at 24 V rated value     — at 24 V rated value     — at 600 V rated value     — at 600 V rated value     — at 24 V rated value     — at 20 V rated value		
at AC-5a up to 690 V rated value     at AC-5b up to 400 V rated value     at AC-6a     — up to 230 V for current peak value n=20 rated value     — up to 400 V for current peak value n=20 rated value     — up to 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 230 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     — 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 690 V for current peak value n=30 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 690 V for current peak value n=30 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 690 V for current peak value n=30 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     — at 690 V rated value     — at 690 V rated value     — at 690 V rated value     — at 24 V rated value     — at 60 V r		
■ at AC-5b up to 400 V rated value     ■ at AC-6a     — up to 230 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 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=30 rated value     ● at AC-6a     — up to 230 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     — 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 690 V for current peak value n=30 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 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — operational current for approx. 200000 operating cycles at AC-4     ■ at 600 V rated value     ■ at 600 V rated value     ■ at 1 current path at DC-1     — at 24 V rated value     — at 600 V rated value     — at 600 V rated value     — at 440 V rated value     — at 600 V rated value		
■ at AC-6a     — up to 230 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 690 V for current peak value n=20 rated value     — up to 690 V for current peak value n=20 rated value     — up to 230 V for current peak value n=20 rated value     ● at AC-6a     — up to 230 V for current peak value n=30 rated value     — up to 400 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 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 690 V for current peak value n=30 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 690 V for current peak value n=30 rated value     — operational current for approx. 200000 operating cycles at AC-4     ● at 690 V rated value     — at 1400 V rated value     — at 690 V rated value     — at 500 V rated value     — at 110 V rated value     — at 24 V rated value     — at 220 V rated value     — at 600 V rated valu	·	
- up to 400 V for current peak value n=20 rated value     - up to 500 V for current peak value n=20 rated value     - up to 690 V for current peak value n=20 rated value     - up to 230 V for current peak value n=30 rated value     - up to 230 V for current peak value n=30 rated value     - up to 400 V for current peak value n=30 rated value     - up to 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     - 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 690 V for current peak value n=30 rated value     - ve to 690 V for current peak value n=30 rated value     - ve to 600 V rated value     - ve to 400 V rated value     - at 400 V rated value     - at 260 V rated value     - at 24 V rated value     - at 24 V rated value     - at 200 V rated value     - at 400 V rated value     - at 200 V rated value     - at 200 V rated value     - at 600 V rated value     - at 200 V rated value     - at 400 V rated value     - at 200 V rated value	·	
	— up to 230 V for current peak value n=20 rated value	11.4 A
— up to 690 V for current peak value n=20 rated value     • at AC-6a     — up to 230 V for current peak value n=30 rated value     — up to 400 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 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 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value  minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4      • at 400 V rated value     • at 400 V rated value     • at 1 current path at DC-1     — at 24 V rated value     — at 10 V rated value     — at 110 V rated value     — at 40 V rated value     — at 440 V rated value     — at 440 V rated value     — at 440 V rated value     — at 600 V rated value     — at 600 V rated value     — at 60 V rated value     — at 60 V rated value     — at 110 V rated value     — at 220 V rated value     — at 40 V rated value	— up to 400 V for current peak value n=20 rated value	11.4 A
• at AC-6a — up to 230 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated value — up to 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 — up to 690 V for current peak value n=30 rated value  minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  • at 690 V rated value  • 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 440 V rated value  - at 600 V rated value  - at 220 V rated value  - at 440 V rated value  - at 220 V rated value  - at 220 V rated value  - at 440 V rated value  - at 440 V rated value  - at 440 V rated value  - at 600 V rated value	— up to 500 V for current peak value n=20 rated value	11.4 A
- up to 230 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 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 690 V for current peak value n=30 rated value  7.6 A  7.6 A  7.6 A  7.7 A  10 mm²   operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 400 V rated value  • at 1 current path at DC-1  - at 24 V rated value - at 110 V rated value - at 220 V rated value - at 440 V rated value - at 440 V rated value - at 440 V rated value - at 600 V rated value - a	— up to 690 V for current peak value n=20 rated value	11.3 A
- up to 400 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  minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at 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 60 V rated value - at 400 V rated value - at 440 V rated value - at 440 V rated value - at 600 V rated value - at 220 V rated value - at 220 V rated value - at 24 V rated value - at 25 V rated value - at 26 V rated value - at 27 V rated value - at 28 V rated value - at 29 V rated value - at 29 V rated value - at 44 V rated value	• at AC-6a	
- up to 500 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value  minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  • at 1 current path at DC-1  - at 24 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 600 V rated value - at 440 V rated value - at 440 V rated value - at 600 V rated value - at 220 V rated value - at 60 V rated value	<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	7.6 A
— up to 690 V for current peak value n=30 rated value  minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value  • at 690 V rated value  • 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 440 V rated value  — at 400 V rated value  — at 50 V rated value  — at 20 V rated value  — at 20 V rated value  — at 400 V rated value  — at 400 V rated value  — at 600 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  — at 220 V rated value  — at 220 V rated value  — at 220 V rated value  — at 60 V rated value	<ul> <li>up to 400 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  operational current for approx. 200000 operating cycles at 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 220 V rated value  — at 24 V rated value  — at 25 A  • 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 60 V rated value  — at 440 V rated value	<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	7.6 A
operational current for approx. 200000 operating cycles at AC-4	— up to 690 V for current peak value n=30 rated value	7.6 A
• at 400 V rated value • at 690 V rated value 7.7 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 20 A  — at 600 V rated value 35 A  — at 600 V rated value 35 A  — at 600 V rated value 35 A  — at 100 V rated value 35 A  — at 220 V rated value 35 A  • with 2 current paths in series at DC-1  — at 24 V rated value 35 A  — at 10 V rated value 35 A  — at 110 V rated value 35 A  — at 110 V rated value 35 A  — at 120 V rated value 35 A  — at 440 V rated value 35 A		10 mm²
● 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 60 V rated value — at 60 V rated value — at 24 V rated value — at 60 V rated value — at 20 V rated value — at 20 V rated value — at 20 V rated value — at 440 V rated value  1 A		
operational current          • at 1 current path at DC-1	• at 400 V rated value	7.7 A
<ul> <li>at 1 current path at DC-1         <ul> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 240 V rated value</li> </ul>		7.7 A
- 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 220 V rated value 35 A - at 440 V rated value 1 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 220 V rated value 5 A - at 440 V rated value 1 A	-	05.4
<ul> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>— with 2 current paths in series at DC-1</li> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 440 V rated value</li> </ul>		
<ul> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>• with 2 current paths in series at DC-1</li> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 440 V rated value</li> <li>— at 440 V rated value</li> </ul>		
<ul> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>• with 2 current paths in series at DC-1</li> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>1 A</li> </ul>		
<ul> <li>— at 600 V rated value</li> <li>● with 2 current paths in series at DC-1</li> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>1 A</li> </ul>		
● 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 220 V rated value 5 A  — at 440 V rated value 1 A		
— 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       5 A         — at 440 V rated value       1 A		0.20 A
<ul> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>1 A</li> </ul>	-	35 A
<ul> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>1 A</li> </ul>		
<ul><li>— at 220 V rated value</li><li>— at 440 V rated value</li><li>5 A</li><li>1 A</li></ul>		
— at 440 V rated value 1 A		
— at 000 v fated value	— at 600 V rated value	0.8 A
with 3 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 220 V rated value	35 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	20 A
— at 60 V rated value	5 A
— at 220 V rated value	1 A
— 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
— at 220 V rated value	3 A
— 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>	
— 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	10 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
operating power	
• at AC-3	
— at 230 V rated value	4 kW
— at 400 V rated value	7.5 kW
— at 500 V rated value	7.5 kW
— at 690 V rated value	11 kW
• at AC-3e	
— at 230 V rated value	4 kW
— at 400 V rated value	7.5 kW
— at 500 V rated value	7.5 kW
— at 690 V rated value	11 kW
operating power for approx. 200000 operating cycles at AC-	
4 a at 400 V rotad value	3.5 kW
at 400 V rated value     at 600 V rated value	
• at 690 V rated value	6 kW
operating apparent power at AC-6a	4.5 IA/A
up to 230 V for current peak value n=20 rated value	4.5 kVA
up to 400 V for current peak value n=20 rated value	7.8 kVA
up to 500 V for current peak value n=20 rated value	9.9 kVA
up to 690 V for current peak value n=20 rated value	13.6 kVA
operating apparent power at AC-6a	2 1///
up to 230 V for current peak value n=30 rated value	3 kVA
up to 400 V for current peak value n=30 rated value	5.2 kVA
up to 500 V for current peak value n=30 rated value	6.6 kVA
up to 690 V for current peak value n=30 rated value  Chart time withstand current in cold experting state up to	9.1 kVA
short-time withstand current in cold operating state up to 40 °C	
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	225 A; Use minimum cross-section acc. to AC-1 rated value
limited to 5 s switching at zero current maximum	225 A; Use minimum cross-section acc. to AC-1 rated value
limited to 10 s switching at zero current maximum	189 A; Use minimum cross-section acc. to AC-1 rated value
limited to 30 s switching at zero current maximum	140 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	115 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	5 000 1/h
operating frequency	

	4.000.4#
• 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-4 maximum</li> </ul>	300 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
at 50 Hz rated value	110 V
at 60 Hz rated value	110 V
operating range factor control supply voltage rated value of	
magnet coil at AC	
● at 50 Hz	0.8 1.1
● at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	68 VA
• at 60 Hz	67 VA
inductive power factor with closing power of the coil	01 471
at 50 Hz	0.72
• at 60 Hz	0.74
apparent holding power of magnet coil at AC	70.1/4
• at 50 Hz	7.9 VA
• at 60 Hz	6.5 VA
inductive power factor with the holding power of the coil	
● at 50 Hz	0.25
● at 60 Hz	0.28
closing delay	
• at AC	8 40 ms
opening delay	
• at AC	4 16 ms
arcing time	10 10 ms
control version of the switch operating mechanism	Standard A1 - A2
control version of the switch operating mechanism	Otanidard AT - AZ
Auxiliary circuit	Galidald A1 - A2
Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous	2
Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact	2
Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous	
Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous	2
Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact	2
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	2
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  operational current at AC-15	2 2 10 A
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  operational current at AC-15  • at 230 V rated value	2 2 10 A 6 A
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  operational current at AC-15  • at 230 V rated value  • at 400 V rated value	2 2 10 A 6 A 3 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value	2 2 10 A 6 A 3 A 2 A
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  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value	2 2 10 A 6 A 3 A 2 A
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  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12	2 2 10 A 6 A 3 A 2 A 1 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12 • at 24 V rated value	2 2 10 A 6 A 3 A 2 A 1 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value	2 2 10 A 6 A 3 A 2 A 1 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 48 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  • at 690 V rated value  • at 24 V rated value • at 48 V rated value • at 10 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 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 600 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 600 V rated value • at 110 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 410 V rated value • at 410 V rated value • at 4110 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 1 A 0.9 A 0.3 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum  operational current at AC-15  at 230 V rated value at 400 V rated value at 690 V rated value operational current at DC-12  at 24 V rated value at 48 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 24 V rated value at 25 V rated value at 27 V rated value at 28 V rated value at 29 V rated value at 29 V rated value at 20 V rated value at 20 V rated value at 20 V rated value at 30 V rated value at 60 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum  operational current at AC-15  at 230 V rated value at 400 V rated value at 690 V rated value operational current at DC-12  at 24 V rated value at 48 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 60 V rated value at 125 V rated value at 125 V rated value at 127 V rated value at 128 V rated value at 18 V rated value at 19 V rated value at 19 V rated value at 20 V rated value at 21 V rated value at 22 V rated value at 22 V rated value at 23 V rated value at 24 V rated value at 25 V rated value at 20 V rated value at 20 V rated value at 220 V rated value	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7

full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	14 A
at 600 V rated value	17 A
yielded mechanical performance [hp]	
<ul> <li>for single-phase AC motor</li> </ul>	
— at 110/120 V rated value	1 hp
— at 230 V rated value	3 hp
• for 3-phase AC motor	
— at 200/208 V rated value	3 hp
— at 220/230 V rated value	5 hp
— at 460/480 V rated value	10 hp
— at 575/600 V rated value	15 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 63A (690V,100kA), aM: 32A (690V,100kA), BS88: 63A (415V,80kA)
<ul> <li>— with type of assignment 2 required</li> </ul>	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	
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
height	85 mm
width	45 mm
depth	141 mm
required spacing	141 1000
with side-by-side mounting	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
for grounded parts	O IIIIII
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
for live parts	10 111111
— forwards	10 mm
	10 mm
— upwards — downwards	10 mm
— at the side	6 mm
Connections/ Terminals	
type of electrical connection	and the state of t
for main current circuit     for qualiform and control circuit	screw-type terminals
for auxiliary and control circuit	screw-type terminals
at contactor for auxiliary contacts	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections	
• for main contacts	2 // 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
— solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)
— solid or stranded	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
for AWG cables for main contacts	2x (16 12), 2x (14 8)
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     finely stranded with core end processing	0.5 2.5 mm <sup>2</sup>

type of connectable conductor cross-sections	
<ul> <li>for auxiliary contacts</li> </ul>	
<ul><li>— solid or stranded</li></ul>	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)
<ul> <li>for AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14)
AWG number as coded connectable conductor cross section	
• for main contacts	16 8
<ul> <li>for auxiliary contacts</li> </ul>	20 14
Safety related data	
product function	
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes
<ul> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	No
suitable for safety function	Yes
suitability for use safety-related switching OFF	Yes
service life maximum	20 a
test wear-related service life necessary	Yes
proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	73 %
B10 value with high demand rate according to SN 31920	1 000 000
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
ISO 13849	
device type according to ISO 13849-1	3
overdimensioning according to ISO 13849-2 necessary	Yes
IEC 61508	
safety device type according to IEC 61508-2	Type A
T1 value	
<ul> <li>for proof test interval or service life according to IEC 61508</li> </ul>	20 a
Electrical Safety	
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
Approvals Certificates	

General Product Approval



Confirmation







<u>KC</u>

General Product Approval

EMV

**Functional Saftey** 

**Test Certificates** 

Marine / Shipping





Type Examination Certificate

Special Test Certificate Type Test Certificates/Test Report



Marine / Shipping









Miscellaneous

other

Confirmation

other

Railway

Environment



## Further information

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=3RT2025-1AG24

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2025-1AG24

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2025-1AG24

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

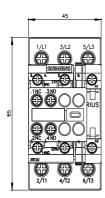
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2025-1AG24&lang=en

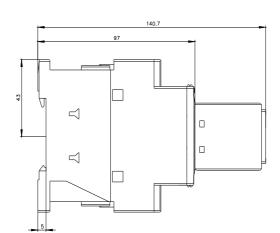
Characteristic: Tripping characteristics, I²t, Let-through current

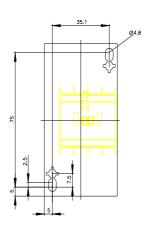
https://support.industry.siemens.com/cs/ww/en/ps/3RT2025-1AG24/char

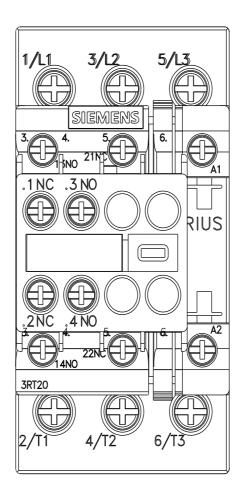
Further characteristics (e.g. electrical endurance, switching frequency)

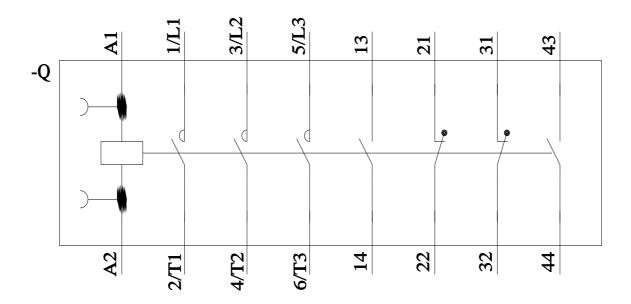
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2025-1AG24&objecttype=14&gridview=view1











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