SIEMENS

Data sheet 3RT2026-1AP00



power contactor, AC-3 25 A, 11 kW / 400 V 1 NO + 1 NC, 230 V AC, 50 Hz, 3-pole, Size S0 screw terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S0
product extension	
 function module for communication 	No
auxiliary switch	Yes
power loss [W] for rated value of the current at AC in hot operating state	4.8 W
per pole	1.6 W
power loss [W] for rated value of the current without load current share typical	9.8 W
surge voltage resistance	
 of main circuit rated value 	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	8,3g / 5 ms, 5,3g / 10 ms
shock resistance with sine pulse	
• at AC	13,5g / 5 ms, 8,3g / 10 ms
mechanical service life (switching cycles)	
 of contactor typical 	10 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code acc. to IEC 81346-2	Q
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
 ambient temperature during operation 	-25 +60 °C
 ambient temperature during storage 	-55 +80 °C
Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage at AC-3 rated value maximum	690 V
operational current	

 at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-1 	40 A
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	40 A
 up to 690 V at ambient temperature 60 °C rated value 	35 A
• at AC-3	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
• at AC-4 at 400 V rated value	15.5 A
• at AC-5a up to 690 V rated value	35.2 A
at AC-5b up to 400 V rated value	20.7 A
• at AC-6a	
 up to 230 V for current peak value n=20 rated value 	20.2 A
— up to 400 V for current peak value n=20 rated value	20.2 A
 up to 500 V for current peak value n=20 rated value 	20.2 A
 up to 690 V for current peak value n=20 rated value at AC-6a 	12.9 A
— up to 230 V for current peak value n=30 rated value	13.5 A
 up to 400 V for current peak value n=30 rated value 	13.5 A
 up to 500 V for current peak value n=30 rated value 	13.5 A
 up to 690 V for current peak value n=30 rated 	13 A
value	
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm²
minimum cross-section in main circuit at maximum AC-1	
minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating	9 A
minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at AC-4	
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	9 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	9 A 9 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	9 A 9 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 110 V rated value	9 A 9 A 35 A 4.5 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 110 V rated value — at 220 V rated value	9 A 9 A 35 A 4.5 A 1 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 110 V rated value — at 220 V rated value — at 440 V rated value	9 A 9 A 35 A 4.5 A 1 A 0.4 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 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value	9 A 9 A 35 A 4.5 A 1 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 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 2 current paths in series at DC-1	9 A 9 A 35 A 4.5 A 1 A 0.4 A 0.25 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 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value	9 A 9 A 35 A 4.5 A 1 A 0.4 A 0.25 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 110 V rated value — at 440 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value • with 2 rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value	9 A 9 A 35 A 4.5 A 1 A 0.4 A 0.25 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 110 V rated value — at 440 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 220 V rated value — at 220 V rated value — at 220 V rated value	9 A 9 A 35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 5 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 110 V rated value — at 220 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 120 V rated value — at 440 V rated value	9 A 9 A 35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 35 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 110 V rated value — at 220 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value - at 24 V rated value — at 24 V rated value — at 440 V rated value — at 140 V rated value — at 110 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value	9 A 9 A 35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 5 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 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value	9 A 9 A 35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 5 A 1 A 0.8 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 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 440 V rated value — at 440 V rated value — at 440 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	9 A 9 A 35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 5 A 1 A 0.8 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 110 V rated value — at 220 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value • with 3 current paths in series at DC-1 — at 24 V rated value — at 440 V rated value — at 4500 V rated value — at 440 V rated value	9 A 9 A 35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 5 A 1 A 0.8 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 110 V rated value — at 220 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 24 V rated value — at 440 V rated value — at 24 V rated value — at 24 V rated value • with 3 current paths in series at DC-1 — at 24 V rated value • at 110 V rated value • with 3 current paths in series at DC-1 — at 24 V rated value — at 20 V rated value — at 210 V rated value — at 220 V rated value	9 A 9 A 9 A 35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 5 A 1 A 0.8 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 110 V rated value — at 220 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 440 V rated value — at 600 V rated value • with 3 current paths in series at DC-1 — at 24 V rated value • at 110 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 250 V rated value — at 270 V rated value — at 440 V rated value	9 A 9 A 9 A 35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 5 A 1 A 0.8 A 35 A 35 A 35 A 2.9 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 110 V rated value — at 220 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 440 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	9 A 9 A 9 A 35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 5 A 1 A 0.8 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 110 V rated value — at 220 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 440 V rated value — at 600 V rated value	9 A 9 A 9 A 35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 5 A 1 A 0.8 A 35 A 35 A 35 A 2.9 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 110 V rated value — at 220 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 24 V rated value — at 24 V rated value — at 440 V rated value — at 440 V rated value — at 110 V rated value — at 110 V rated value — at 440 V rated value — at 600 V rated value	9 A 9 A 9 A 35 A 4.5 A 1 A 0.25 A 35 A 35 A 35 A 1 A 0.8 A 35 A 35 A 35 A 35 A 36 A 37 A 38 A 3
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 110 V rated value — at 220 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 440 V rated value — at 600 V rated value	9 A 9 A 9 A 35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 5 A 1 A 0.8 A 35 A 35 A 35 A 2.9 A



— at 220 V rated value	1 A
— at 440 V rated value	0.09 A
— at 600 V rated value	0.06 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 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
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 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	5.5 kW
— at 400 V rated value	11 kW
— at 500 V rated value	11 kW
— at 690 V rated value	11 kW
operating power for approx. 200000 operating cycles at AC-4	
at 400 V rated value	4.4 kW
at 690 V rated value	7.7 kW
operating apparent power at AC-6a	
up to 230 V for current peak value n=20 rated value	8 kV·A
 up to 400 V for current peak value n=20 rated value 	13.9 kV·A
• up to 500 V for current peak value n=20 rated value	17.4 kV·A
• up to 690 V for current peak value n=20 rated value	15.4 kV·A
operating apparent power at AC-6a	
up to 230 V for current peak value n=30 rated value	5.3 kV·A
• up to 400 V for current peak value n=30 rated value	9.3 kV·A
• up to 500 V for current peak value n=30 rated value	11.6 kV·A
• up to 690 V for current peak value n=30 rated value	15.5 kV·A
short-time withstand current in cold operating state	
up to 40 °C	275 A. Llea minimum areas postion and to A.C. 4 metad value
Ilmited to 1 s switching at zero current maximum	375 A; Use minimum cross-section acc. to AC-1 rated value
limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum	299 A; Use minimum cross-section acc. to AC-1 rated value
limited to 10 s switching at zero current maximum limited to 20 a quitabling at zero current maximum	200 A; Use minimum cross-section acc. to AC-1 rated value
Ilmited to 30 s switching at zero current maximum Ilmited to 60 s switching at zero current maximum	128 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 60 s switching at zero current maximum no load switching frequency.	106 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency • at AC	5 000 1/h
• at AC • at DC	5 000 1/h 1 500 1/h
operating frequency	1 000 1/11
at AC-1 maximum	1 000 1/h
at AC-1 maximum at AC-2 maximum	750 1/h
• at AC-3 maximum	750 1/h
at AC-3 maximum at AC-4 maximum	250 1/h
Control circuit/ Control	
	AC
type of voltage of the control supply voltage control supply voltage at AC	AU .
at 50 Hz rated value	230 V
operating range factor control supply voltage rated	200 V
value of magnet coil at AC	
• at 50 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	77 V·A



Inductive power factor with closing power of the coil		_
Sparent holding power of magnet cell at AC 9.8 V/A	inductive power factor with closing power of the coil	
a st 50 Hz	• at 50 Hz	0.82
Inductive power factor with the holding power of the coll a 150 Hz closing delay a 14 AC opening delay a 14 AC arcing time arcing time control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit Instantaneous contact Value Instantaneous Con	apparent holding power of magnet coil at AC	
coli	• at 50 Hz	9.8 V·A
ear 50 Hz	inductive power factor with the holding power of the	
AC AC A 16 ms	coil	
e at AC opening delay	● at 50 Hz	0.25
■ at AC	closing delay	
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-18 maximum operational current at AC-18 maximum et al 500 V rated value et 500 V rated value et 500 V rated value et 600 V rated value et 100 V rated value et 100 V rated value et 600 V rated value et 1200 V rated value et 1200 V rated value et 1210 V rated value et 1210 V rated value et 1220 V rated value et 1210 V rated value et 1220 V rated value et 125 V rated value et 126 V rated value et 127 V rated value et 128 V rated value et 129 V rated value et 120	• at AC	8 40 ms
arcing time	opening delay	
Standard A1 - A2	• at AC	4 16 ms
Auxiliary circuit number of NC contacts for auxillary contacts instantaneous contact number of NO contacts for auxillary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-12 maximum operational current at AC-12 maximum operational current at AC-13 maximum ot at 400 V rated value ot at 500 V rated value ot at 500 V rated value ot at 500 V rated value ot at 600 V rated value ot 600 V rated value	arcing time	10 10 ms
number of NC contacts for auxiliary contacts instantaneous contact rnumber of NO contacts for auxiliary contacts instantaneous contact rnumber of NO contacts for auxiliary contacts instantaneous contact poperational current at AC-15 • at 230 V rated value • at 400 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 80 V rated value • at 80 V rated value • at 80 V rated value • at 125 V rated value • at 125 V rated value • at 600 V rated valu	control version of the switch operating mechanism	Standard A1 - A2
instantaneous contact instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 500 V rated value • at 500 V rated value • at 600 V rated value • at 440 V rated value • at 800 V rated value • at 110 V rated value • at 110 V rated value • at 110 V rated value • at 120 V rated value • at 120 V rated value • at 800 V rated value • at 110 V rated value • at 1200 V rated value • at 800 V rated value •	Auxiliary circuit	
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum		1
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 • at 100 V rated value •		1
Operational current at AC-15 at 230 V rated value		'
at 230 V rated value	operational current at AC-12 maximum	10 A
	operational current at AC-15	
	• at 230 V rated value	10 A
• al 690 V rated value	• at 400 V rated value	3 A
Operational current at DC-12	• at 500 V rated value	2 A
at 24 V rated value at 48 V rated value at 60 V rated value at 100 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 126 V rated value at 126 V rated value at 600 V rated value at 60 V rated value at 60 V rated value at 60 V rated value at 100 V rated value at 120 V rated value at 120 V rated value at 120 V rated value at 220 V rated value at 80 V rated value at 80 V rated value at 220 V rated value at 220 V rated value at 220 V rated value at 30 V rated value at 230 V rated value at 480 V rated value at 30 V rated value at 30 V rated value at 30 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 200 V rated value at 600 V rated value at 20 V rated value at 600 V rated value at 20 V rated value at 600 V rated value at 60	at 690 V rated value	1 A
	operational current at DC-12	
at 160 V rated value	at 24 V rated value	10 A
at 110 V rated value	 at 48 V rated value 	6 A
at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 48 V rated value at 48 V rated value at 48 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 110 V rated value at 110 V rated value at 120 V rated value at 200 V rated value at 200 V rated value at 38 V rated value at 38 V rated value at 39 V rated value at 200 V rated value at 200 V rated value at 200 V rated value at 300 V rated value at 480 V rated value at 480 V rated value at 300 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 500 V rated value at 200 V rated value at 300 V rated value at 300 V rated value at 480 V rated value at 300 V rated value at 480 V rated value at 480 V rated value at 360 V rated value at 480 V rated value at 360 V rated value at 480 V rated value at 360 V rated value at 480 V rated value at 200 V rated value at 360 V rated value at 575/600 V rated value	at 60 V rated value	6 A
	 at 110 V rated value 	3 A
at 600 V rated value operational current at DC-13 at 48 V rated value at 48 V rated value at 60 V rated value at 10 V rated value at 10 V rated value at 10 V rated value at 20 V rated value at 600 V rated value 21 A at 600 V rated value at 480 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 22 A yielded mechanical performance [hp] at 70 single-phase AC motor at 210 V rated value at 230 V rated value at 230 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 460/480 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit	• at 125 V rated value	2 A
operational current at DC-13 • 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 110 V rated value • at 125 V rated value • at 220 V rated value • at 60 V rated value • at 60 V rated value • at 60 V rated value • at 600 V rated value • at 480 V rated value • at 480 V rated value • at 480 V rated value • at 600 V rated value • 5 hp - at 230 V rated value • for 3-phase AC motor - at 10/120 V rated value • for 3-phase AC motor - at 200/208 V rated value • for 3-phase AC motor - at 200/208 V rated value • for 3-phase AC motor - at 200/208 V rated value • for 3-phase AC motor - at 200/208 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 460/480 V rated value - at 450/480 V rated value - at 575/600 V rated value - at 600 / P600 Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit	at 220 V rated value	1 A
at 24 V rated value at 48 V rated value 2 A at 60 V rated value 2 A at 110 V rated value 1 A at 125 V rated value 3 A at 220 V rated value 3 A at 220 V rated value 0 .3 A at 600 V rated value 1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 2 1 A at 600 V rated value 2 2 A yielded mechanical performance [hp] of or single-phase AC motor — at 1101/20 V rated value 2 bp — at 230 V rated value 3 hp of or 3-phase AC motor — at 200/208 V rated value 5 hp — at 220/230 V rated value 7.5 hp — at 460/480 V rated value 9 at 4600 / P600 Short-circuit protection design of the fuse link of or short-circuit protection of the main circuit	• at 600 V rated value	0.15 A
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 600 V rated value at 600 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 600 V rated value be at 600 V rated value at 600 V rated value at 600 V rated value be or 3 rated value at 110/120 V rated value at 110/120 V rated value at 20 V rated value for 3 rated value for 3 rated value at 200/208 V rated value at 200/208 V rated value at 200/208 V rated value at 5 hp at 25/5/600 V rated value be 60/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit	operational current at DC-13	
at 10 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value bire for single-phase AC motor at 110/120 V rated value at 110/120 V rated value at 20 V rated value at 20 V rated value at 200/208 V rated value bire for 3-phase AC motor at 220/230 V rated value at 220/230 V rated value bire for 3-phase AC motor at 2575/600 V rated value at 575/600 V rated value at 575/600 V rated value bire for 3-phase for or at 60/480 V rated value at 575/600 V rated value bire for 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link bire for short-circuit protection of the main circuit	• at 24 V rated value	10 A
• at 110 V rated value • at 125 V rated value • at 220 V rated value • at 6000 V rated value • at 600 V rated value • at 600 V rated value • at 110/120 V rated value • at 110/120 V rated value • at 230 V rated value • at 200/208 V rated value • at 220/230 V rated value • at 220/230 V rated value • at 220/330 V rated value • at 2575/600 V rated value • at 675/600 V rate	• at 48 V rated value	2 A
• at 110 V rated value • at 125 V rated value • at 220 V rated value • at 6000 V rated value • at 600 V rated value • at 600 V rated value • at 110/120 V rated value • at 110/120 V rated value • at 230 V rated value • at 200/208 V rated value • at 220/230 V rated value • at 220/230 V rated value • at 220/330 V rated value • at 2575/600 V rated value • at 675/600 V rate	• at 60 V rated value	2 A
 at 220 V rated value at 600 V rated value 0.3 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 for single-phase AC motor at 110/120 V rated value at 20 V rated value for 3-phase AC motor at 230 V rated value at 230 V rated value at 200/208 V rated value at 200/208 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rated value bp at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit 	• at 110 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 at 600 V rated value for single-phase AC motor at 110/120 V rated value at 230 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 200/208 V rated value at 200/230 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit at 480 V 1 mA) 1 faulty switching per 100 million (17 V, 1 mA) 1 faulty switching per 100 million (17 V, 1 mA) 1 faulty switching per 100 million (17 V, 1 mA) 1 faulty switching per 100 million (17 V, 1 mA) 1 faulty switching per 100 million (17 V, 1 mA) 1 faulty switching per 100 million (17 V, 1 mA) 1 faulty switching per 100 million (17 V, 1 mA) 1 faulty switching per 100 million (17 V, 1 mA) 1 faulty switching per 100 million (17 V, 1 mA) 21 A 22 A yielded mechanical performance [hp] e at 600 V rated value 2 hp 3 hp for 3-phase AC motor - at 200/208 V rated value 5 hp - at 220/230 V rated value 2 hp 3 hp 6 for 3-phase AC motor - at 200/208 V rated value 5 hp - at 200/208 V rated value 2 hp 3 hp 6 for 3-phase AC motor - at 200/208 V rated value 5 hp - at 200/208 V rated value 2 hp 3 hp 6 for 3-phase AC motor - at 200/208 V rated value 5 hp - at 200/208 V rated value - at 200/208 V rated value - at 200/208 V rated value 5 hp - at 460/480 V rated value - at 200/208 V rated value 2 hp 3 hp 6 for 3-phase AC motor - at 200/208 V rated value 2 hp 3 hp 6 for 3-phase AC motor - at 200/208 V rated value 2 hp 3 hp 6 for 3-phase AC motor - at 200/208 V rated value 2 hp 3 hp 6 for 3-phase AC motor - at 200/208 V rated value 2 hp 3 hp 6 f	at 125 V rated value	0.3 A
contact reliability of auxiliary contacts I 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 22 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 2 hp — at 230 V rated value 3 hp • for 3-phase AC motor — at 200/208 V rated value 5 hp — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit	at 220 V rated value	0.3 A
contact reliability of auxiliary contacts I 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 22 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 2 hp — at 230 V rated value 9 for 3-phase AC motor — at 200/208 V rated value 15 hp — at 460/480 V rated value 15 hp — at 4575/600 V rated value 20 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit	at 600 V rated value	0.3 A
### Contact ratings Full-load current (FLA) for 3-phase AC motor at 480 V rated value		1 faulty switching per 100 million (17 V, 1 mA)
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 22 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value 3 hp • for 3-phase AC motor — at 200/208 V rated value 5 hp — at 220/230 V rated value 7.5 hp — at 460/480 V rated value 15 hp — at 575/600 V rated value 20 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit		3,7 3,7 3,7
at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value — at 230 V rated value of or 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value Contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit	-	
at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value — at 230 V rated value for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit		21 A
yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 2 hp — at 230 V rated value 3 hp • for 3-phase AC motor — at 200/208 V rated value 5 hp — at 220/230 V rated value 7.5 hp — at 460/480 V rated value 15 hp — at 575/600 V rated value 20 hp contact rating of auxiliary contacts according to UL A600 / P600 Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit		
 for single-phase AC motor — at 110/120 V rated value 2 hp — at 230 V rated value 3 hp for 3-phase AC motor — at 200/208 V rated value 5 hp — at 220/230 V rated value 7.5 hp — at 460/480 V rated value 15 hp — at 575/600 V rated value 20 hp contact rating of auxiliary contacts according to UL A600 / P600 Short-circuit protection design of the fuse link for short-circuit protection of the main circuit 		
- at 110/120 V rated value 2 hp - at 230 V rated value 3 hp ● for 3-phase AC motor - at 200/208 V rated value 5 hp - at 220/230 V rated value 7.5 hp - at 460/480 V rated value 15 hp - at 575/600 V rated value 20 hp contact rating of auxiliary contacts according to UL A600 / P600 Short-circuit protection design of the fuse link ● for short-circuit protection of the main circuit		
- at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value 20 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit		2 hp
• for 3-phase AC motor — at 200/208 V rated value		
- at 200/208 V rated value 5 hp - at 220/230 V rated value 7.5 hp - at 460/480 V rated value 15 hp - at 575/600 V rated value 20 hp contact rating of auxiliary contacts according to UL A600 / P600 Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit		
- at 220/230 V rated value - at 460/480 V rated value 15 hp - at 575/600 V rated value 20 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link ● for short-circuit protection of the main circuit		5 hp
- at 460/480 V rated value 15 hp 20 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link ● for short-circuit protection of the main circuit		
— at 575/600 V rated value 20 hp contact rating of auxiliary contacts according to UL A600 / P600 Short-circuit protection design of the fuse link ● for short-circuit protection of the main circuit		
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit		
Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit		
design of the fuse link • for short-circuit protection of the main circuit		7,000 / 1 000
• for short-circuit protection of the main circuit		
	_	
— with type of coordination i required gG: 100 A (690 V, 100 KA), aM: 50 A (690 V, 100 KA), BS88: 100 A (415		aC: 100 A (600)/ 100 kA) aM: 50 A (600)/ 100 kA) D000: 100 A (115
	— with type of coordination 1 required	go. 100 A (090 V, 100 KA), alvi: 50 A (090 V, 100 KA), B588: 100 A (415



V, 80 kA) gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, - with type of assignment 2 required 80kA) • for short-circuit protection of the auxiliary switch gG: 10 A (500 V, 1 kA) required Installation/ mounting/ dimensions mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 • side-by-side mounting Yes height 85 mm width 45 mm depth 97 mm required spacing • with side-by-side mounting - forwards 10 mm 10 mm upwards - downwards 10 mm - at the side 0 mm · for grounded parts 10 mm - forwards - upwards 10 mm - at the side 6 mm — downwards 10 mm · for live parts 10 mm - forwards - upwards 10 mm - downwards 10 mm - at the side 6 mm **Connections/ Terminals** type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals • of magnet coil Screw-type terminals type of connectable conductor cross-sections for main contacts solid 2x (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 • at AWG cables for main contacts 2x (16 ... 12), 2x (14 ... 8) connectable conductor cross-section for main contacts 1 ... 10 mm² solid 1 ... 10 mm² 1 ... 10 mm² finely stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded 0.5 ... 2.5 mm²



16 ... 8

20 ... 14

0.5 ... 2.5 mm²

2x (0,5 ... 1,5 mm²), 2x (0,75 ... 2,5 mm²)

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

2x (20 ... 16), 2x (18 ... 14)

• finely stranded with core end processing

type of connectable conductor cross-sections

· at AWG cables for auxiliary contacts

cross section for main contacts

cross section for auxiliary contacts

- finely stranded with core end processing

· AWG number as coded connectable conductor

AWG number as coded connectable conductor

for auxiliary contacts— solid or stranded

Safety related data	
B10 value with high demand rate acc. to SN 31920	1 000 000
proportion of dangerous failures	
with low demand rate acc. to SN 31920	40 %
 with high demand rate acc. to SN 31920 	73 %
failure rate [FIT] with low demand rate acc. to SN 31920	100 FIT
product function	
 mirror contact acc. to IEC 60947-4-1 	Yes
T1 value for proof test interval or service life acc. to IEC 61508	20 y
protection class IP on the front acc. to IEC 60529	IP20
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front
suitability for use safety-related switching OFF	Yes

Certificates/ approvals

General Product Approval

EMC













Declaration of Conformity

Test Certificates

Marine / Shipping



Miscellaneous

Type Test Certificates/Test Report Special Test Certificate





Marine / Shipping

other









Confirmation



other

Confirmation

Further information

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

siemens .com/ic10

Industry Mall (Online ordering system)

mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2026-1AP00

Cax online generator

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

support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AP00

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2026-1AP00&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AP00/char

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

automation. siemens. com/bilddb/index. aspx?view=Search&mlfb=3RT2026-1AP00&objecttype=14&gridview=view1. AP00&objecttype=14&gridview=view1. AP00&objecttyp











