SIEMENS

Data sheet

3RT2026-1AV04



power contactor, AC-3e/AC-3, 25 A, 11 kW / 400 V, 3-pole, 400 V AC, 50 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	\$0
product extension	
 function module for communication 	No
auxiliary switch	No
power loss [W] for rated value of the current	
 at AC in hot operating state 	5.7 W
 at AC in hot operating state per pole 	1.9 W
 without load current share typical 	9.8 W
insulation voltage	
of main circuit with degree of pollution 3 rated value	690 V
 of auxiliary circuit with degree of pollution 3 rated value 	690 V
surge voltage resistance	
 of main circuit rated value 	6 kV
 of auxiliary circuit rated value 	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	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 (operating 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 according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	
number of poles for main current circuit	3

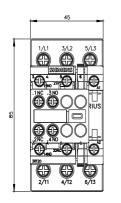
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	690 V
 at AC-3e rated value maximum 	690 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated	40 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	40 A
— up to 690 V at ambient temperature 60 °C rated	35 A
value	
● 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-3e	
— 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 at AC-6a 	20.7 A
	20.2 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 	20.2 A 20.2 A
— up to 690 V for current peak value n=20 rated value	12.9 A
at AC-6a	12.9 A
 up to 230 V for current peak value n=30 rated value 	13.5 A
— up to 200 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 value	13 A
minimum cross-section in main circuit at maximum AC-1 rated	10 mm ²
value	
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	9 A
at 690 V rated value	9A
operational current	
 at 1 current path at DC-1 	
— at 24 V rated value	35 A
— at 60 V rated value	20 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
 with 2 current paths in series at DC-1 	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
 with 3 current paths in series at DC-1 	
— 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 	

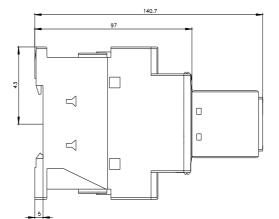
— at 24 V rated value	20 A
— at 60 V rated value	5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.09 A
— at 600 V rated value	0.06 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	15 A
— at 220 V rated value	3 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
 with 3 current paths in series at DC-3 at DC-5 	
— 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-2 at 400 V rated value	11 kW
• 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
• at AC-3e	
— 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	4 4 1-141
 at 400 V rated value at 690 V rated value 	4.4 kW
	7.7 kW
operating apparent power at AC-6a	8 kVA
• up to 230 V for current peak value n=20 rated value	0 KVA 13.9 kVA
• up to 400 V for current peak value n=20 rated value	17.4 kVA
• up to 500 V for current peak value n=20 rated value	15.4 kVA
up to 690 V for current peak value n=20 rated value	
operating apparent power at AC-6a	5.3 kVA
 up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value 	9.3 kVA
 up to 400 v for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 	9.5 KVA 11.6 kVA
 up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value 	15.5 kVA
short-time withstand current in cold operating state up to	
40 °C	
 limited 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 	300 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	210 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	144 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	118 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	5 000 1/h
operating frequency	
erating frequency e at AC-1 maximum	1 000 1/h
	1 000 1/h 750 1/h
• at AC-1 maximum	
at AC-1 maximumat AC-2 maximum	750 1/h
 at AC-1 maximum at AC-2 maximum at AC-3 maximum 	750 1/h 750 1/h
 at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3e maximum 	750 1/h 750 1/h 750 1/h

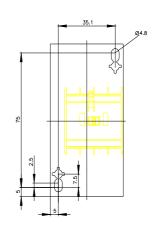
number of NC contacts for auxiliary contacts instantaneous contact 2 contacts contact 2 operational current at AC-12 maximum 10 A operational current at AC-15 6 A • at 230 V rated value 6 A • at 600 V rated value 3 A • at 600 V rated value 10 A operational current at AC-15 7 • at 600 V rated value 2 A • at 600 V rated value 10 A operational current at AC-12 7 • at 600 V rated value 10 A • at 600 V rated value 6 A • at 600 V rated value 6 A • at 600 V rated value 2 A • at 600 V rated value 0.9 A • at 100 V rated value 0.1 A contact reliability of auxiliary		-
• et 60 14 z not value400 Vmagnet for control supply voltage rate value0• at 50 14 z not value0• at 50 14 z not value7 VAindective power of magnet coll at AC0• at 50 14 z not value0• at 50 14 z not value0	type of voltage of the control supply voltage	AC
operation angle factor control supply voltage rated value of mignet coil at AC. 08. 1.1 operate factor with closing power of magnet coil at AC. 77 VA operate factor with closing power of the coil of coil coil coil at AC. 78 VA apparent factor with closing power of the coil of coil coil coil coil coil coil coil coil	control supply voltage at AC	
mignet coli at AC081.1episer tiplek-up power of magnet coli at AC7.7 Ae at 50 h20.82e at 50 h20.81e at 50 h2 <t< td=""><td>• at 50 Hz rated value</td><td>400 V</td></t<>	• at 50 Hz rated value	400 V
appert bick-up power of magnet coil at AC 77 VA • at 50 Hz 77 VA • at 50 Hz 0.82 • at 50 Hz 0.82 • at 50 Hz 0.82 VA • at 60 VE 0.81 VA • at 60 VE 0.10 mB • at 60 VE 0.10 mB • at 60 VE 0.10 mB • at 60 VE 0.10 ME • at 60 VE 0.10 ME • at 60 VE 0.10 ME • at 60 VE 0.40 VE • at 60 VE 0.40 VE <tr< td=""><td></td><td></td></tr<>		
inductive power factor with closing power of the coll 0.82 apparent holding power of magnet coll at AC 0.82 apparent holding power of magnet coll at AC 0.82 at 50 h2 0.82 A inductive power factor with the holding power of the coll 0.82 at 50 h2 0.82 A closing dolay 0.25 at AC a40 ms opening dolay a40 ms at AC a40 ms control version of the sevich operating machanism Standard A1 - A2 Availary dorating 1010 ms control version of the sevich operating machanism 2 momber of NC contacts for auxiliary contacts instantaneous 2 operational current at AC-12 0A operational current at AC-12 10A operational current at AC-12 2 eit 400 vrade value 0A at 400 vrade value 0A<	• at 50 Hz	0.8 1.1
• # 150 Hz0.82apparent holding power of magnet coll at AC9.8 VAinductive power factor with the holding power of the coll0.25closing delay0.25• # AC0.4 16 ms• # AC0.4 16 msarcing time10 10 mscontrol version of the switch operating mechanism20Xouthany controlsstandard At - A2Availant of Controls for auxiliary controls instantaneous2control version of the switch operating mechanism2Standard At - A2Availant of Controls for auxiliary controls instantaneouscontrol version of the switch operating mechanism2Standard At - A2Availant of Controls for auxiliary controls instantaneouscontrol version of the switch operating mechanism2operational current at AC-157• # 400 V tried value0 A• # 400 V rated value0 A• # 100 V rated value0 A• # 100 V r		77 VA
• # 150 Hz0.82apparent holding power of magnet coll at AC9.8 VAinductive power factor with the holding power of the coll0.25closing delay0.25• # AC0.4 16 ms• # AC0.4 16 msarcing time10 10 mscontrol version of the switch operating mechanism20Xouthany controlsstandard At - A2Availant of Controls for auxiliary controls instantaneous2control version of the switch operating mechanism2Standard At - A2Availant of Controls for auxiliary controls instantaneouscontrol version of the switch operating mechanism2Standard At - A2Availant of Controls for auxiliary controls instantaneouscontrol version of the switch operating mechanism2operational current at AC-157• # 400 V tried value0 A• # 400 V rated value0 A• # 100 V rated value0 A• # 100 V r	inductive power factor with closing power of the coil	
approver of hoding power of magnet cell at AC 98 VA • at 50 Hz 98 VA • at 50 Hz 025 • at 60 Hz 0.40 ms • at AC 440 ms • at AC 440 ms • at AC 440 ms • at AC 416 ms • at 30 Vratich operating mechanism 2 • at 30 Vratich operating mechanism 2 • at 30 Vratich operating contrads for auxiliay contads instantaneous 3A • at 30 Vratich value 3A •		0.82
under the holding power of the coilUinductive power factor with the holding power of the coil0.55closing delay0.40 nmsi al AC0.40 nmsopening delay1010 nmsi al AC1010 nmsarcing time1010 nmscontrol version of the switch operating mochanismStandard A1 - A2Availary of controls for auxiliary contacts instantaneous2control version of the switch operating mochanism2generational current at AC-155i i i dol V ridei value6 Ai i dol V ridei value3 Ai e dol V ridei value6 Ai e dol V ridei value3 Ai e d	apparent holding power of magnet coil at AC	
• #10 hz0.25closing dolay840 ms• #.AC840 ms• #.AC940 ms• #.AC1010 mscontrol version of the switch operating mechanism1010 mscontrol version of the switch operating mechanism2010 msrumber of NC contacts for auxiliary contacts instantaneous on the switch operating mechanism2operational current at AC-15-e al 230 V rated value6.A• al 230 V rated value3.A• al 230 V rated value3.A• al 240 V rated value3.A• al 240 V rated value3.A• al 240 V rated value6.A• al 240 V rated value3.A• al 240 V rated value6.A• al 250 V rated value6.A• al 260 V		9.8 VA
• #10 hz0.25closing dolay840 ms• #.AC840 ms• #.AC940 ms• #.AC1010 mscontrol version of the switch operating mechanism1010 mscontrol version of the switch operating mechanism2010 msrumber of NC contacts for auxiliary contacts instantaneous on the switch operating mechanism2operational current at AC-15-e al 230 V rated value6.A• al 230 V rated value3.A• al 230 V rated value3.A• al 240 V rated value3.A• al 240 V rated value3.A• al 240 V rated value6.A• al 240 V rated value3.A• al 240 V rated value6.A• al 250 V rated value6.A• al 260 V	inductive power factor with the holding power of the coil	
• ai AC840 msopening delay416 ms• arcing the1010 mscontrol version of the switch operating mechanismStandard A1 A2Autisty detail2number of NC contacts for auxiliary contacts instantaneous contact2operational current at AC-12 maximum2operational current at AC-12 maximum6 A• et 230 Vrited value6 A• et 230 Vrited value10A• et 230 Vrited value6 A• et 230 Vrited value10A• et 230 Vrited value6 A• et 230 Vrited value10A• et 230 Vrited value10A• et 230 Vrited value10A• et 230 Vrited value6 A• et 230 Vrited value10A• et 230 Vrited value0A• et 230 Vrited value10A• et 230 Vrited value0A• et 240 Vrited value<	• at 50 Hz	0.25
opening delay 4 16 ms exitAC 4 16 ms control varision of the switch operating mechanism Standard A1 - A2 Auxiliary circuit Standard A1 - A2 number of NC contacts for auxiliary contacts instantaneous contact 2 contact 0 contact 10 A operational current at AC-12 maximum 10 A operational current at AC-15 ************************************	closing delay	
• ai AC 4 16 ms arcing time 10 10 ms control vorsion of the switch operating mechanism Sindard A1 - A2 Auxiliary circuit 2 number of NC contacts for auxiliary contacts instantaneous contact 2 operational current at AC-12 maximum 10 A operational current at AC-12 maximum 10 A operational current at AC-12 maximum 6 A • at 230 V rated value 6 A • at 230 V rated value 2 A • at 630 V rated value 10 A operational current at DC-12 - • at 630 V rated value 6 A • at 630 V rated value 10 A operational current at DC-12 - • at 630 V rated value 10 A • at 630 V rated value 6 A • at 600 V rated value 0.5 A • at 600 V rated value 6 A • at 600 V rated value 0.5 A	• at AC	8 40 ms
arcing time 10 10 ms control version of the switch operating mechanism Standard A1 - A2 Availary circuit 2 number of NC contacts for auxiliary contacts instantaneous contact 2 operational current at AC-12 maximum 10 A operational current at AC-15 6 • at 230 V rated value 3 A • at 300 V rated value 3 A • at 600 V rated value 3 A • at 600 V rated value 10 A operational current at DC-12 - • at 600 V rated value 6 A • at 600 V rated value 6 A • at 600 V rated value 6 A • at 600 V rated value 0 A • at 60	opening delay	
Control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit Image of NC contracts for auxiliary contracts instantaneous contract. 2 contract for auxiliary contracts instantaneous contract. 2 contract for auxiliary contracts instantaneous contract. 10 A operational current at AC-17 6A eit 230 V rated value 6A eit 600 V rated value 2A eit 600 V rated value 10 A operational current at AC-17 Image of AC eit 600 V rated value 10 A eit 600 V rated value 6A eit 600 V rated value 6A eit 600 V rated value 6A eit 600 V rated value 0A eit 600 V rated value 0.16A	• at AC	4 16 ms
Auxiliary circuit 2 number of NC contacts for auxiliary contacts instantaneous contact 2 operational current at AC-12 maximum 10 A operational current at DC-12 11 A operational current at DC-12 10 A operational current at DC-12 10 A operational current at DC-13 6 A oft 120 V rated value 10 A operational current at DC-13 14 A operational current at DC-13 0.15 A operational current at DC-13 0.15 A operational current at DC-13 0.4 A oft 20 V rated value 0.4 A oft 21 V rated value 0.4 A oft 22 V rated value 0.9 A oft 20 V rated value 0	arcing time	10 10 ms
number of NC contacts for auxiliary contacts instantaneous contact 2 contacts contact 2 operational current at AC-12 maximum 10 A operational current at AC-15 6 A • at 230 V rated value 6 A • at 600 V rated value 3 A • at 600 V rated value 10 A operational current at AC-15 7 • at 600 V rated value 2 A • at 600 V rated value 10 A operational current at AC-12 7 • at 600 V rated value 10 A • at 600 V rated value 6 A • at 600 V rated value 6 A • at 600 V rated value 2 A • at 600 V rated value 0.9 A • at 100 V rated value 0.1 A contact reliability of auxiliary	control version of the switch operating mechanism	Standard A1 - A2
contact independence on the second seco	Auxiliary circuit	
contact understant AC-12 maximum ID A operational current at AC-12 maximum ID A operational current at AC-15 - • at 230 V rated value 6 A • at 400 V rated value 2 A • at 600 V rated value 1 A operational current at DC-12 - • at 80 V rated value 6 A • at 80 V rated value 2 A • at 80 V rated value 2 A • at 20 V rated value 2 A • at 200 V rated value 6 A • at 200 V rated value 2 A • at 24 V rated value 2 A • at 24 V rated value 2 A • at 80 V rated value 2 A • at 80 V rated value 0 A • at 80 V rated value 0 A • at 80 V rated value 0 A		2
operational current at AC-15 • at 230 V rated value • at 230 V rated value • at 400 V rated value • at 600 V rated value • at 80 V rated value • at 20 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 100 V rated value • at 100 V rated value • at 20 V rated value • at 600 V rated value		2
• at 230 V rated value 6 A • at 400 V rated value 3 A • at 500 V rated value 2 A • at 500 V rated value 1 A operational current at DC-12 - • at 24 V rated value 6 A • at 60 V rated value 6 A • at 25 V rated value 6 A • at 20 V rated value 0.15 A operational current at DC-13 - • at 60 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 0.9 A • at 60 V rated value 2.1 A • at 60 V rated value 2.1 A • at 600 V rate	operational current at AC-12 maximum	10 A
• at 400 V rated value 3 A • at 500 V rated value 2 A • at 600 V rated value 1 A operational current at DC-12 - • at 24 V rated value 6 A • at 48 V rated value 6 A • at 60 V rated value 6 A • at 60 V rated value 3 A • at 10 V rated value 3 A • at 10 V rated value 3 A • at 10 V rated value 3 A • at 20 V rated value 3 A • at 600 V rated value 3 A • at 600 V rated value 4 A • at 600 V rated value 2 A • at 60 V rated value 3 A • at 60 V rated value 3 A • at 10 V rated value 0.9 A • at 20 V rated value 0.1 A • at 600 V rated value 0.1 A • at 600 V rated value 21	operational current at AC-15	
• at 500 V rated value2 A• at 690 V rated value1Aoperational current at DC-12-• at 24 V rated value0A• at 48 V rated value6 A• at 60 V rated value6 A• at 10 V rated value3 A• at 110 V rated value2 A• at 220 V rated value1 A• at 220 V rated value0.15 A• at 60 V rated value2 A• at 20 V rated value6 A• at 20 V rated value2 A• at 20 V rated value0.9 A• at 24 V rated value2 A• at 24 V rated value3 A• at 60 V rated value0.9 A• at 60 V rated value0.9 A• at 10 V rated value0.3 A• at 600 V rated value0.3 A• at 600 V rated value21 A• at 600 V rated value21 A• at 600 V rated value22 A• at 600 V rated value21 A• at 600 V rated value21 A• at 600 V rated value3 hp• at 200 V rated value3 hp• at 200 V rated value3 hp• for 3-phase AC motor21 A• at 200 V rated value3 hp• for 3-phase AC motor1• at 200208 V rated value3 hp• for 3-phase AC motor5 hp• at 200208 V rated value5 hp	• at 230 V rated value	6 A
• at 690 V rated value 1 A operational current at DC-12	• at 400 V rated value	3 A
operational current at DC-12Image: constant of the second sec	• at 500 V rated value	2 A
• at 24 V rated value 10 A • at 48 V rated value 6 A • at 60 V rated value 6 A • at 10 V rated value 3 A • at 110 V rated value 2 A • at 220 V rated value 0.15 A • at 220 V rated value 6 A • at 200 V rated value 0.15 A • at 20 V rated value 6 A • at 24 V rated value 6 A • at 48 V rated value 0.15 A • at 24 V rated value 0.9 A • at 48 V rated value 0.9 A • at 10 V rated value 0.9 A • at 200 V rated value 0.9 A • at 200 V rated value 0.1 A • at 600 V rated value 0.1 A • at 600 V rated value 0.1 A • at 600 V rated value 22 A • at 600 V rated value 21 A • at 600 V rated value 21 A •	• at 690 V rated value	1 A
• at 48 V rated value 6 A • at 60 V rated value 6 A • at 10 V rated value 3 A • at 125 V rated value 2 A • at 220 V rated value 0.15 A operational current at DC-13 - • at 24 V rated value 6 A • at 60 V rated value 2 A • at 60 V rated value 0.15 A operational current at DC-13 - • at 24 V rated value 6 A • at 60 V rated value 2 A • at 60 V rated value 0.9 A • at 10 V rated value 0.9 A • at 60 V rated value 0.3 A • at 60 V rated value 0.1 A • at 60 V rated value 0.1 A • at 600 V rated value 0.1 A • at 600 V rated value 22 A • at 600 V rated value 21 A • at 600 V rated value 22 A • at 600 V rated value 21 A • at 600 V rated value 21 A • at 600 V rated value 21 A • at 600 V rated value 2 hp • a	operational current at DC-12	
• at 60 V rated value 6 A • at 110 V rated value 3 A • at 125 V rated value 2 A • at 220 V rated value 1 A • at 600 V rated value 0.15 A operational current at DC-13 - • at 80 V rated value 6 A • at 84 V rated value 6 A • at 84 V rated value 2 A • at 84 V rated value 2 A • at 80 V rated value 0.9 A • at 125 V rated value 0.3 A • at 800 V rated value 0.3 A • at 800 V rated value 0.1 A • at 800 V rated value 0.1 A • at 800 V rated value 0.2 A • at 800 V rated value 0.1 A • at 800 V rated value 0.1 A • at 800 V rated value 2.2 A • at 800 V rated value 2.2 A • at 480 V rated value 2.1 A • at 480 V rated value 2.1 A • at 480 V rated value 2.1 A • at 600 V rated value 2.1 A • at 600 V rated value 3 hp	• at 24 V rated value	10 A
• at 110 V rated value3 A• at 125 V rated value2 A• at 220 V rated value1 A• at 600 V rated value0.15 A• at 600 V rated value6 A• at 48 V rated value2 A• at 48 V rated value2 A• at 60 V rated value0.9 A• at 110 V rated value0.9 A• at 220 V rated value0.1 A• at 600 V rated value0.1 A• at 600 V rated value2 A• at 600 V rated value2.1 A• at 600 V rated value0.2 A• at 600 V rated value0.2 A• at 600 V rated value0.2 A• at 600 V rated value0.1 A• at 600 V rated value2.1 A• at 600 V rated value2.2 A• at 600 V rated value3.9 B• at 200208 V rated value5.1 B <td>• at 48 V rated value</td> <td>6 A</td>	• at 48 V rated value	6 A
• at 125 V rated value2 A• at 220 V rated value1 A• at 600 V rated value0.15 A• operational current at DC-13•• at 24 V rated value6 A• at 24 V rated value2 A• at 60 V rated value2 A• at 60 V rated value0.9 A• at 10 V rated value0.9 A• at 20 V rated value0.1 A• at 20 V rated value0.1 A• at 20 V rated value0.1 A• at 20 V rated value2 A• at 20 V rated value0.2 A• at 480 V rated value0.1 A• at 480 V rated value2 A• at 600 V rated value2 A• at 480 V rated value2 A• at 480 V rated value2 A• at 600 V rated value2 A• at 600 V rated value2 A• at 600 V rated value2 A• at 200 V rated value2 h• at 200 V rated value3 h• at 200 V rated value3 h• at 200 V rated value5 h• at 200208 V rated value5 h• at 6004 V rated value5 h• at 6004 V rated value5 h• at 6004 V rated value <td>• at 60 V rated value</td> <td>6 A</td>	• at 60 V rated value	6 A
• at 220 V rated value1 A• at 600 V rated value0.15 Aoperational current at DC-13•• at 24 V rated value6 A• at 24 V rated value2 A• at 60 V rated value2 A• at 60 V rated value0.9 A• at 110 V rated value0.9 A• at 220 V rated value0.1 A• at 600 V rated value2 A• at 600 V rated value0.1 A• at 600 V rated value2 A• at 600 V rated value3 hp• at 700 V rated value3 hp• for 3-phase AC motor at 2007280 V rated value5 hp- at 2007280 V rated value5 hp- at 60/480 V rated value15 hp	• at 110 V rated value	3 A
• at 600 V rated value 0.15 A operational current at DC-13 - • at 24 V rated value 6 A • at 24 V rated value 2 A • at 60 V rated value 2 A • at 10 V rated value 1 A • at 110 V rated value 0.9 A • at 220 V rated value 0.1 A • at 600 V rated value 21 A • at 600 V rated value 22 A • at 480 V rated value 21 A • at 600 V rated value 22 A • at 600 V rated value 22 A • at 600 V rated value 2 hp • at 600 V rated value 3 hp • at 700 V rated value 3 hp • at 230 V rated value 3 hp • at 230 V rated value 5 hp - at 200/208 V rated value 5 hp	• at 125 V rated value	2 A
operational current at DC-13• at 24 V rated value6 A• at 24 V rated value2 A• at 48 V rated value2 A• at 60 V rated value2 A• at 110 V rated value1 A• at 25 V rated value0.9 A• at 20 V rated value0.1 A• ontact value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 600 V rated value21 A• at 600 V rated value22 Ayielded mechanical performance [hp]-• for single-phase AC motor at 110/120 V rated value2 hp- at 230 V rated value3 hp• for single-phase AC motor at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 220/230 V rated value5 hp- at 460/480 V rated value15 hp	• at 220 V rated value	1 A
• at 24 V rated value 6 A • at 48 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 1 A • at 10 V rated value 0.9 A • at 220 V rated value 0.3 A • at 600 V rated value 0.1 A • at 600 V rated value 21 A • at 600 V rated value 22 A • at 600 V rated value 22 A • at 10/120 V rated value 2 hp - at 110/120 V rated value 2 hp - at 200/208 V rated value 3 hp • for 3-phase AC motor - - at 200/208 V rated value 5 hp - at 200/208 V rated value 5 hp - at 200/208 V rated value 5 hp - at 460/480 V rated value 15 hp	• at 600 V rated value	0.15 A
• at 48 V rated value2 A• at 60 V rated value2 A• at 110 V rated value1 A• at 125 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 A• at 600 V rated value1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratings21 A• at 480 V rated value22 A• at 600 V rated value22 A• at 600 V rated value22 A• at 600 V rated value2 h• at 600 V rated value3 hp• at 200 V rated value5 hp- at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 460/480 V rated value5 hp	operational current at DC-13	
• at 60 V rated value2 A• at 110 V rated value1 A• at 125 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value21 A• at 600 V rated value22 A• jelded mechanical performance [hp]•• for single-phase AC motor2 hp- at 110/120 V rated value2 hp- at 230 V rated value3 hp• for 3-phase AC motor at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 220/230 V rated value15 hp	• at 24 V rated value	6 A
• at 110 V rated value1 A• at 125 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UU/CSA ratingsUU/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value21 A• at 480 V rated value22 A• jelded mechanical performance [hp]-• for single-phase AC motor at 110/120 V rated value2 hp- at 230 V rated value3 hp• for 3-phase AC motor at 200/208 V rated value5 hp- at 220/230 V rated value5 hp- at 220/230 V rated value15 hp	• at 48 V rated value	2 A
• at 125 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor21 A• at 480 V rated value21 A• at 600 V rated value22 A• jelded mechanical performance [hp]-• for single-phase AC motor2 hp- at 110/120 V rated value2 hp- at 230 V rated value3 hp• for 3-phase AC motor at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 200/208 V rated value15 hp	• at 60 V rated value	2 A
• at 220 V rated value0.3 A• at 600 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor21 A• at 480 V rated value22 A• at 600 V rated value22 Ayielded mechanical performance [hp]4• for single-phase AC motor2 hp- at 110/120 V rated value2 hp- at 230 V rated value3 hp• for 3-phase AC motor3 hp- at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 220/230 V rated value7.5 hp- at 460/480 V rated value15 hp	• at 110 V rated value	1 A
• at 600 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratings2full-load current (FLA) for 3-phase AC motor21 A• at 480 V rated value22 A• at 600 V rated value22 A• for single-phase AC motor at 110/120 V rated value2 hp• for 3-phase AC motor at 230 V rated value3 hp• for 3-phase AC motor at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 220/230 V rated value5 hp- at 460/480 V rated value15 hp	• at 125 V rated value	0.9 A
contact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor21 A• at 480 V rated value21 A• at 600 V rated value22 Ayielded mechanical performance [hp]-• for single-phase AC motor2 hp- at 110/120 V rated value2 hp- at 230 V rated value3 hp• for 3-phase AC motor at 200/208 V rated value5 hp- at 220/200 V rated value5 hp- at 220/200 V rated value5 hp- at 460/480 V rated value15 hp	• at 220 V rated value	
UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value21 A• at 600 V rated value22 Ayielded mechanical performance [hp]• for single-phase AC motor2 hp- at 110/120 V rated value2 hp- at 230 V rated value3 hp• for 3-phase AC motor at 200/208 V rated value5 hp- at 220/230 V rated value5 hp- at 460/480 V rated value15 hp	• at 600 V rated value	0.1 A
full-load current (FLA) for 3-phase AC motor• at 480 V rated value21 A• at 600 V rated value22 Ayielded mechanical performance [hp]22 A• for single-phase AC motor2 hp- at 110/120 V rated value2 hp- at 230 V rated value3 hp• for 3-phase AC motor at 200/208 V rated value5 hp- at 220/230 V rated value7.5 hp- at 460/480 V rated value15 hp		1 faulty switching per 100 million (17 V, 1 mA)
• at 480 V rated value21 A• at 600 V rated value22 Ayielded mechanical performance [hp]-• for single-phase AC motor at 110/120 V rated value2 hp- at 230 V rated value3 hp• for 3-phase AC motor at 200/208 V rated value5 hp- at 220/230 V rated value5 hp- at 460/480 V rated value15 hp	UL/CSA ratings	
• 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 5 hp - at 460/480 V rated value 15 hp	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp]• for single-phase AC motor2 hp- at 110/120 V rated value2 hp- at 230 V rated value3 hp• for 3-phase AC motor at 200/208 V rated value5 hp- at 220/230 V rated value7.5 hp- at 460/480 V rated value15 hp	• at 480 V rated value	21 A
 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 600 V rated value	22 A
 at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 220/208 V rated value 5 hp at 220/230 V rated value 7.5 hp at 460/480 V rated value 15 hp 	yielded mechanical performance [hp]	
- at 230 V rated value3 hp• for 3-phase AC motor5 hp- at 200/208 V rated value5 hp- at 220/230 V rated value7.5 hp- at 460/480 V rated value15 hp	 for single-phase AC motor 	
for 3-phase AC motor at 200/208 V rated value bp at 220/230 V rated value 5 hp at 460/480 V rated value 15 hp 	— at 110/120 V rated value	2 hp
	— at 230 V rated value	3 hp
	 for 3-phase AC motor 	
- at 460/480 V rated value 15 hp	— at 200/208 V rated value	5 hp
	— at 220/230 V rated value	7.5 hp
- at 575/600 V rated value 20 hp	— at 460/480 V rated value	15 hp
	— at 575/600 V rated value	20 hp

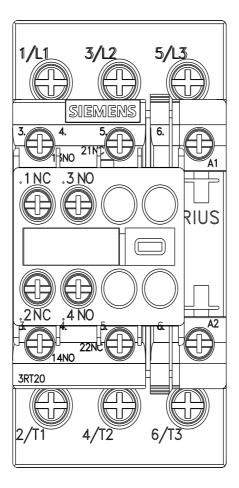
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	
for short-circuit protection of the main circuit	
 — with type of coordination 1 required 	gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80
with type of oboldination in required	kA)
 — with type of assignment 2 required 	gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)
 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and
	backward by +/- 22.5° on vertical mounting surface
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
 side-by-side mounting 	Yes
height	85 mm
width	45 mm
depth	141 mm
required spacing	
 with side-by-side mounting 	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
 for grounded parts 	
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
• for live parts	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	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 mm ²), 2x (2.5 10 mm ²)
 finely stranded with core end processing 	2x (1 2.5 mm ²), 2x (2.5 6 mm ²), 1x 10 mm ²
connectable conductor cross-section for main contacts	
solid	1 10 mm²
stranded	1 10 mm ²
 finely stranded with core end processing 	1 10 mm ²
connectable conductor cross-section for auxiliary contacts	
solid or stranded	0.5 2.5 mm²
 finely stranded with core end processing 	0.5 2.5 mm ²
type of connectable conductor cross-sections	
 for auxiliary contacts — solid or stranded 	$2 \times (0.5 - 1.5 \text{ mm}^2) 2 \times (0.75 - 2.5 \text{ mm}^2)$
 — solid of stranded — finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross	2x (20 16), 2x (18 14)
AWG number as coded connectable conductor cross section	
for main contacts	16 8
for auxiliary contacts	20 14
Safety related data	
product function	
mirror contact according to IEC 60947-4-1	Yes

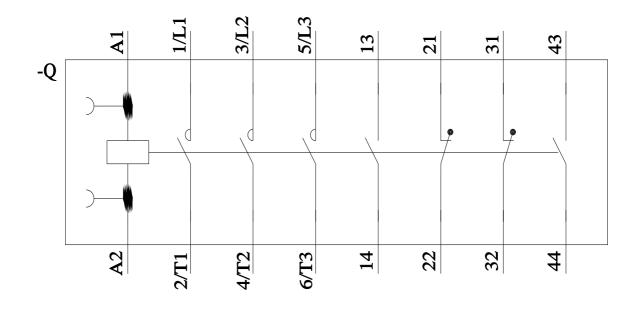
positively driven	operation according to IEC	C 60947-5-1 No			
	emand rate according to SN		000		
proportion of danger					
•	d rate according to SN 319	20 40 9	%		
 with high demar 	nd rate according to SN 319	920 73 9	%		
failure rate [FIT] with lo	ow demand rate according	to SN 31920 100	FIT		
T1 value for proof test 61508	interval or service life acco	ording to IEC 20 a	a		
protection class IP or	n the front according to I	EC 60529 IP20	0		
touch protection on t	the front according to IEC	60529 fing	er-safe, for vertical contact	from the front	
suitability for use					
 safety-related sy 	witching OFF	Yes	;		
ertificates/ approvals					
General Product App	proval				
SP M	<u>Confirmation</u>			KC	EHC
EMC	Functional Safety/Safety of Ma- chinery	Declaration of Confo	ormity	Test Certificates	
RCM	Type Examination Cer- tificate	CE EG-Konf.	UK CA	Special Test Certific- ate	Type Test Certific- ates/Test Report
ABS			Lloyd's Register urs	RINA	RMRS
other			Railway	Environment	
<u>Confirmation</u>		<u>Confirmation</u>	Vibration and Shock	Environmental Con- firmations	
urther information					
https://press.siemens.c Siemens is working of Please contact your loo EAC relevant market (in Information on the pathttps://support.industry Information- and Dow https://www.siemens.c Industry Mall (Online https://mall.industry.sie Cax online generator http://support.automati Service&Support (Mathttps://support.industry Image database (proor http://www.automation Characteristic: Trippi	/.siemens.com/cs/ww/en/vi vnloadcenter (Catalogs, E com/ic10 ordering system) emens.com/mall/en/en/Cata	e/siemens-wind-down-ru rent EAC certificates. tatus of validity of the E/ EAEU member states Ru ew/109813875 Brochures,) alog/product?mlfb=3RT2 order/default.aspx?lang acteristics, FAQs,) s/3RT2026-1AV04 on drawings, 3D model be.aspx?mlfb=3RT2026-	AC certification if you inten ussia or Belarus). 2026-1AV04 =en&mlfb=3RT2026-1AV0 Is, device circuit diagram	<u>4</u>	ly these products to an
https://support.industry	.siemens.com/cs/ww/en/ps				











last modified:

2/10/2023 🖸