SIEMENS

Data sheet

3RT2027-2EP00



power contactor, AC-3e/AC-3, 32 A, 15 kW / 400 V, 3-pole, 230 V AC, 50 Hz, with plugged-in RC element, auxiliary contacts: 1 NO + 1 NC, spring-loaded terminal, size: S0

product brand name	SIRIUS			
product designation	Power contactor			
product type designation	3RT2			
General technical data				
size of contactor	SO			
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 	6.3 W			
 at AC in hot operating state per pole 	2.3 W			
 without load current share typical 	2.5 W			
type of calculation of power loss depending on pole	quadratic			
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)				
SVHC substance name	Lead - 7439-92-1			
Weight	0.47 kg			
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	95 %			

maximum				
Environmental footprint				
Environmental Product Declaration(EPD)	Yes			
Global Warming Potential [CO2 eq] total	74.2 kg			
Global Warming Potential [CO2 eq] during manufacturing	1.9 kg			
Global Warming Potential [CO2 eq] during operation	72.4 kg			
Global Warming Potential [CO2 eq] after end of life	-0.117 kg			
Main circuit	-0.117 Ng			
	3			
number of poles for main current circuit number of NO contacts for main contacts	3			
operating voltage				
at AC-3 rated value maximum	690 V			
at AC-3 rated value maximum at AC-3 rated value maximum	690 V			
operational current				
• at AC-1 at 400 V at ambient temperature 40 °C rated value	50 A			
● at AC-1				
— up to 690 V at ambient temperature 40 °C rated value	50 A			
— up to 690 V at ambient temperature 60 °C rated value	42 A			
• at AC-3				
— at 400 V rated value	32 A			
— at 500 V rated value	32 A			
— at 690 V rated value	21 A			
• at AC-3e				
— at 400 V rated value	32 A			
— at 500 V rated value	32 A			
- at 690 V rated value	21 A			
at AC-4 at 400 V rated value	22 A 44 A			
at AC-5a up to 690 V rated value	26.5 A			
 at AC-5b up to 400 V rated value at AC-6a 	20.5 A			
 up to 230 V for current peak value n=20 rated value 	30.8 A			
— up to 400 V for current peak value n=20 rated value	30.8 A			
— up to 500 V for current peak value n=20 rated value	27 A			
— up to 690 V for current peak value n=20 rated value	21 A			
• at AC-6a				
— up to 230 V for current peak value n=30 rated value	20.5 A			
— up to 400 V for current peak value n=30 rated value	20.5 A			
— up to 500 V for current peak value n=30 rated value	18 A			
— up to 690 V for current peak value n=30 rated value	18 A			
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm ²			
operational current for approx. 200000 operating cycles at AC-4				
• at 400 V rated value	12 A			
• at 690 V rated value	12 A			
operational current				
 at 1 current path at DC-1 				
— at 24 V rated value	35 A			
— at 60 V rated value	20 A			
— at 110 V rated value	4.5 A			
— at 220 V rated value	1 A			
— at 440 V rated value	0.4 A			
— at 600 V rated value	0.25 A			
 with 2 current paths in series at DC-1 				
— at 24 V rated value	35 A			
— at 60 V rated value	35 A			
— at 110 V rated value	35 A			
— at 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	15 kW				
• at AC-3					
— at 230 V rated value	7.5 kW				
— at 400 V rated value	15 kW				
— at 500 V rated value	15 kW				
— at 690 V rated value	18.5 kW				
• at AC-3e					
— at 230 V rated value	7.5 kW				
— at 400 V rated value	15 kW				
— at 500 V rated value	15 kW				
— at 690 V rated value	18.5 kW				
operating power for approx. 200000 operating cycles at AC-					
4					
• at 400 V rated value	6 kW				
• at 690 V rated value	10.3 kW				
operating apparent power at AC-6a					
 up to 230 V for current peak value n=20 rated value 	12.2 kVA				
 up to 400 V for current peak value n=20 rated value 	21.3 kVA				
 up to 500 V for current peak value n=20 rated value 	23.3 kVA				
 up to 690 V for current peak value n=20 rated value 	25 kVA				
operating apparent power at AC-6a					
 up to 230 V for current peak value n=30 rated value 	8.1 kVA				
 up to 400 V for current peak value n=30 rated value 	14.2 kVA				
 up to 500 V for current peak value n=30 rated value 	15.5 kVA				
 up to 690 V for current peak value n=30 rated value 	21.5 kVA				
short-time withstand current in cold operating state up to					
40 °C					
 limited to 1 s switching at zero current maximum 	499 A; Use minimum cross-section acc. to AC-1 rated value				
 limited to 5 s switching at zero current maximum 	341 A; Use minimum cross-section acc. to AC-1 rated value				
 limited to 10 s switching at zero current maximum 	260 A; Use minimum cross-section acc. to AC-1 rated value				
 limited to 30 s switching at zero current maximum 	199 A; Use minimum cross-section acc. to AC-1 rated value				
 limited to 60 s switching at zero current maximum 	162 A; Use minimum cross-section acc. to AC-1 rated value				

no-load switching frequency	5 000 4/				
• at AC	5 000 1/h				
operating frequency					
• at AC-1 maximum	1 000 1/h				
• at AC-2 maximum	750 1/h				
 at AC-3 maximum 	750 1/h				
 at AC-3e maximum 	750 1/h				
• at AC-4 maximum	250 1/h				
Control circuit/ Control					
type of voltage of the control supply voltage	AC				
control supply voltage at AC					
• at 50 Hz rated value	230 V				
operating range factor control supply voltage rated value of magnet coil at AC					
● at 50 Hz	0.8 1.1				
design of the surge suppressor	with RC elements				
apparent pick-up power of magnet coil at AC					
● at 50 Hz	77 VA				
inductive power factor with closing power of the coil					
• at 50 Hz	0.82				
apparent holding power of magnet coil at AC					
• at 50 Hz	9.8 VA				
inductive power factor with the holding power of the coil					
• at 50 Hz	0.25				
closing delay					
• at AC	8 40 ms				
opening delay	0				
• at AC	4 16 ms				
arcing time	10 10 ms				
	Standard A1 - A2				
control version of the switch operating mechanism					
Auxiliary circuit					
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact	1				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact	1				
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	1				
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	1 1 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	1 1 10 A 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	1 1 10 A 10 A 3 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	1 1 10 A 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 • at 400 V rated value	1 1 10 A 10 A 3 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	1 1 10 A 10 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 500 V rated value • at 690 V rated value	1 1 10 A 10 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 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value	1 1 10 A 10 A 3 A 2 A 1 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 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 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 • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value	1 1 10 A 10 A 2 A 1 A 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 e at 230 V rated value e at 400 V rated value e at 690 V rated value e at 690 V rated value e at 24 V rated value e at 48 V rated value e at 60 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 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 500 V rated value • at 690 V rated value • 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	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 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 500 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 60 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 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 • at 24 V rated value • at 25 V rated value • at 220 V rated value	1 1 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 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 • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 120 V rated value	1 1 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 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 e at 230 V rated value e at 400 V rated value e at 690 V rated value e at 690 V rated value e at 48 V rated value e at 48 V rated value e at 60 V rated value e at 24 V rated value e at 24 V rated value e at 60 V rated value e at 600 V rated value e at 220 V rated value e at 600 V rated value e at 600 V rated value e at 600 V rated value	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 0.15 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 500 V rated value • at 690 V rated value • at 690 V rated value • at 600 V rated value • at 60 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	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10				
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 500 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 24 V rated value • at 60 V rated value • at 24 V rated value • at 48 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10				
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 • at 48 V rated value • at 48 V rated value • at 220 V rated value • at 24 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10				
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 e at 230 V rated value e at 400 V rated value e at 690 V rated value e at 690 V rated value e at 48 V rated value e at 48 V rated value e at 110 V rated value e at 220 V rated value e at 600 V rated value e at 48 V rated value e at 48 V rated value e at 48 V rated value e at 60 V rated value e at 220 V rated value e at 220 V rated value e at 600 V rated value e at 10 V rated value e at 110 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 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 • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 24 V rated value • at 60 V rated value • at 60 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 110 V rated value • at 24 V rated value • at 10 V rated value	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10				
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 500 V rated value • at 690 V rated value • at 690 V rated value • at 600 V rated value • at 60 V rated value • at 60 V rated value • at 60 V rated value • at 220 V rated value • at 24 V rated value • at 600 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 24 V rated value • at 25 V rated value • at 125 V rated value	1 1 10 A 3A 2A 1A 10 A 6A 6A 6A 3A 2A 1A 10 A 6A 6A 6A 1A 10 A 2A 1A 0.1 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 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 25 V rated value • at 200 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 220 V rated value • at 125 V rated value • at 220 V rated value <td>1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10</td>	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10				
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 • at 690 V rated value • at 60 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 210 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 10 V rated value	1 1 10 A 3A 2A 1A 10 A 6A 6A 6A 3A 2A 1A 10 A 6A 6A 6A 1A 10 A 2A 1A 0.1 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 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 25 V rated value • at 200 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 220 V rated value • at 125 V rated value • at 220 V rated value <td>1 1 10 A 3A 2A 1A 10 A 6A 6A 6A 3A 2A 1A 10 A 6A 6A 6A 1A 10 A 2A 1A 0.1 A</td>	1 1 10 A 3A 2A 1A 10 A 6A 6A 6A 3A 2A 1A 10 A 6A 6A 6A 1A 10 A 2A 1A 0.1 A				

	07.4				
• at 600 V rated value	27 A				
yielded mechanical performance [hp]					
for single-phase AC motor					
— at 110/120 V rated value	2 hp				
— at 230 V rated value	5 hp				
 for 3-phase AC motor 					
— at 200/208 V rated value	10 hp				
— at 220/230 V rated value	10 hp				
— at 460/480 V rated value	20 hp				
— at 575/600 V rated value	25 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 					
 — with type of coordination 1 required 	gG: 125A (690V,100kA), aM: 50A (690V,100kA), BS88: 125A (415V,80kA)				
 — with type of assignment 2 required 	gG: 50A (690V,100kA), aM: 25A (690V, 100kA), BS88: 50A (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	102 mm				
width	45 mm				
depth	97 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	10 mm 6 mm				
Connections/ Terminals					
type of electrical connection	arring loaded terminale				
• for main current circuit	spring-loaded terminals				
for auxiliary and control circuit	spring-loaded terminals				
at contactor for auxiliary contacts	Spring-type terminals				
of magnet coil	Spring-type terminals				
type of connectable conductor cross-sections					
for main contacts					
— solid	2x (1 10 mm²)				
— solid or stranded	2x (1 10 mm²)				
 — finely stranded with core end processing 	2x (1 6 mm²)				
 finely stranded without core end processing 	2x (1 6 mm²)				
for AWG cables for main contacts	2x (18 8)				
connectable conductor cross-section for main contacts					
• solid	1 10 mm²				
stranded	1 10 mm²				
 finely stranded with core end processing 	1 6 mm²				
 finely stranded without core end processing 	1 6 mm²				
• mely standed wareat core and processing					
connectable conductor cross-section for auxiliary contacts					
	0.5 2.5 mm ²				

 finely stranded w 	vithout core end processin	Ig	0.5	0.5 2.5 mm²			
type of connectable c	onductor cross-section	s					
 for auxiliary cont 	acts						
— solid or stra	anded		2x (0.	5 2.5 mm²)			
— finely stran	ded with core end proces	sing	2x (0.	5 1.5 mm²)			
— finely stran	ded without core end proc	cessing	2x (0.	2x (0.5 2.5 mm ²)			
 for AWG cables 	for auxiliary contacts		2x (20 14)				
	ed connectable conducte	or cross					
section							
 for main contacts 			18				
 for auxiliary cont 	acts		20 14				
Safety related data							
product function							
 mirror contact ac 	cording to IEC 60947-4-1		Yes				
 positively driven 	operation according to IE	C 60947-5-1	No				
 suitable for safet 	y function		Yes				
suitability for use safety	/-related switching OFF		Yes				
service life maximum			20 a				
test wear-related serv	ice life necessary		Yes				
proportion of dangero	ous failures						
	I rate according to SN 319	920	40 %				
	d rate according to SN 31		73 %				
	emand rate according to		1 000	000			
			100 F	ΊΤ			
31920	failure rate [FIT] with low demand rate according to SN 31920						
ISO 13849							
device type according	g to ISO 13849-1		3				
overdimensioning ac	cording to ISO 13849-2 r	necessary	Yes				
IEC 61508							
safety device type ac	safety device type according to IEC 61508-2		Туре А				
Electrical Safety							
protection class IP or	the front according to	EC 60529	IP20				
touch protection on the front according to IEC 60529		finger-safe, for vertical contact from the front					
Approvals Certificates							
General Product App	roval						
	<u>Confirmation</u>	UK CA		CE EG-Konf.		<u>KC</u>	
General Product Approval	EMV	Functional Saftey		Test Certificates		Marine / Shipping	
EHC	RCM	<u>Type Examination Cer-</u> tificate		Special Test Certific- ate	Type Test Certific- ates/Test Report	ABS	
Marine / Shipping						other	
BUREAU VERITAS		PRS		RINA	RMRS	<u>Miscellaneous</u>	
other		Railway		Environment			

Confirmation

Confirmation

Special Test Certificate



Environmental Confirmations

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=3RT2027-2EP00

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2027-2EP00

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2027-2EP00

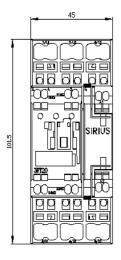
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

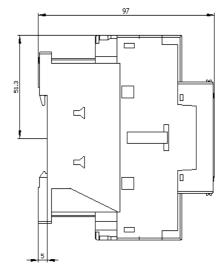
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2027-2EP00&lang=en

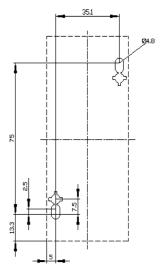
Characteristic: Tripping characteristics, I²t, Let-through current

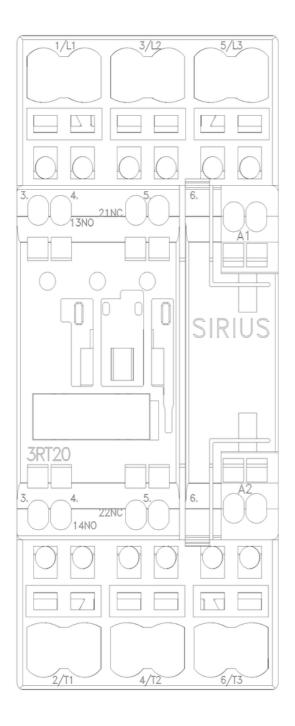
https://support.industry.siemens.com/cs/ww/en/ps/3RT2027-2EP00/char Further characteristics (e.g. electrical endurance, switching frequency)

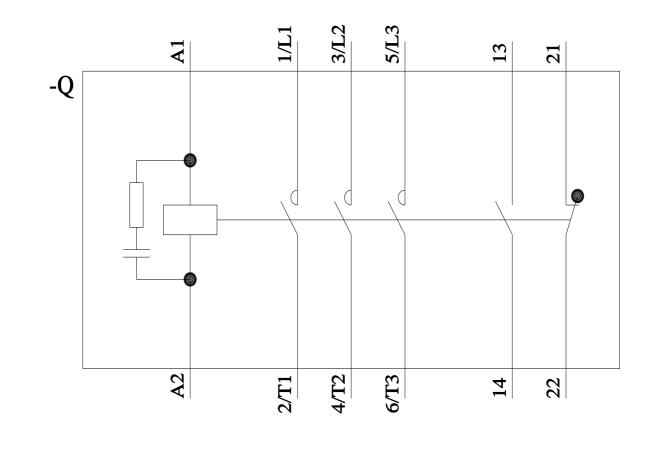
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2027-2EP00&objecttype=14&gridview=view1











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