SIEMENS

Data sheet

3RT2027-1AG20



power contactor, AC-3e/AC-3, 32 A, 15 kW / 400 V, 3-pole, 110 V AC, 50/60 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S0

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 	6.3 W
 at AC in hot operating state per pole 	2.3 W
 without load current share typical 	2.7 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 %
Environmental footprint	
Environmental Product Declaration(EPD)	

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 manufacturing Global Warming Potential [CO2 eq] during operation	72.4 kg
Global Warming Potential [CO2 eq] after end of life	-0.117 kg
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	50 A
value	
• 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	22.4
— at 400 V rated value	32 A
— at 500 V rated value	32 A 21 A
 at 690 V rated value at AC-3e 	21 A
• at AC-3e — at 400 V rated value	32 A
— at 500 V rated value	32 A 32 A
— at 500 V rated value	21 A
• at AC-4 at 400 V rated value	22 A
at AC-54 at 400 V rated value at AC-5a up to 690 V rated value	44 A
at AC-5b up to 400 V rated value	26.5 A
• at AC-6a	
- 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 mm²
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	1A				
— 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	0.0071				
- 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				
	0.16 A				
— at 600 V rated value	0.10 A				
with 3 current paths in series at DC-3 at DC-5 at 24 V rated value	25.4				
- at 24 V rated value	35 A				
— at 60 V rated value	35 A				
— at 110 V rated value	35 A				
— at 220 V rated value	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	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 400 V rated value at 690 V rated value	10.3 kW				
operating apparent power at AC-6a	12.2 1/1/1				
up to 230 V for current peak value n=20 rated value up to 400 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	9.4 10/0				
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 3 s switching at zero current maximum limited to 10 s switching at zero current maximum 	260 A; Use minimum cross-section acc. to AC-1 rated value				
 Imited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum 	199 A; Use minimum cross-section acc. to AC-1 rated value				
 Initial to 50 s switching at zero current maximum 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 1/b				
• at AC	5 000 1/h				
 operating frequency at AC-1 maximum 	1 000 1/b				
	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	110 V
• at 60 Hz rated value	110 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	81 VA
• at 60 Hz	79 VA
inductive power factor with closing power of the coil	
● at 50 Hz	0.72
• at 60 Hz	0.74
apparent holding power of magnet coil at AC	
• at 50 Hz	10.5 VA
• at 60 Hz	8.5 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.25
• at 60 Hz	0.28
closing delay	
• at AC	8 40 ms
opening delay	
• at AC	4 16 ms
arcing time	10 10 ms
	Standard A1 A2
control version of the switch operating mechanism	Standard A1 - A2
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 • 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 400 V rated value • at 500 V rated value • at 690 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 • 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 400 V rated value • at 500 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 690 V rated value • at 690 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 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 60 V rated value • at 48 V rated value • at 60 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
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 400 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 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 40 V rated value • at 210 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 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 400 V rated value • at 220 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
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 400 V rated value • at 250 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 200 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 40 V rated value • at 600 V rated value • at 40 V rated value • at 220 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	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 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 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 220 V rated value • at 24 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 • 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 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 48 V rated value • at 48 V rated value • at 48 V rated value • at 24 V rated value • at 48 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 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 690 V rated value • at 48 V rated value • at 220 V rated value • at 40 V rated value • at 24 V rated value • at 25 V rated value • at 60 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 24 V rated value • at 48 V rated value • at 40 V rated value • at 40 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 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 400 V rated value • at 20 V rated value • at 21 V rated value • at 220 V rated value • at 24 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 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 400 V rated value • at 24 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 600 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 10 A 10 A 10 A 2 A 10 A 6 A 6 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.9 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 600 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 60 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 600 V rated value • at 24 V rated value • at 220 V rated value • at 24 V rated value • at 10 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 10 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.9 A 0.3 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 24 V rated value • at 10 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 600 V rated value • at 24 V rated value • at 25 V rated value • at 24 V rated value • at 100 V rated value <	1 1 10 A 3A 2A 1A 10 A 6A 6A 3A 2A 1A 10 A 6A 6A 1A 10 A 2A 1A 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 48 V rated value • at 24 V rated value • at 25 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 600 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value • at 220 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 10 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 10 A 2 A 1 A 0.15 A 10 A 2 A 1 A 0.9 A 0.3 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 24 V rated value • at 10 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 600 V rated value • at 24 V rated value • at 25 V rated value • at 24 V rated value • at 100 V rated value <	1 1 10 A 3A 2A 1A 10 A 6A 6A 3A 2A 1A 10 A 6A 6A 1A 10 A 2A 1A 0.15 A

 at 480 V rated value 	27 A				
• 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 np 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				
 fastening method side-by-side mounting 	Yes				
height	85 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 for used	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					
	$2x (1 - 2.5 \text{ mm}^2) 2x (2.5 - 4.0 \text{ mm}^2)$				
- solid	$2x (1 \dots 2.5 \text{ mm}^2), 2x (2.5 \dots 10 \text{ mm}^2)$				
— solid or stranded	2x (1 2.5 mm²), 2x (2.5 10 mm²)				
 finely stranded with core end processing 	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²				
 for AWG cables for main contacts 	2x (16 12), 2x (14 8)				
connectable conductor cross-section for main contacts					
• solid	1 10 mm²				
stranded	1 10 mm²				
 finely stranded with core end processing 	1 10 mm²				
connectable conductor cross-section for auxiliary contacts					
solid or stranded	0.5 2.5 mm²				

 finely stranded with core end processing 		0.5 2.5 mm²					
type of connectable conductor cross-sections							
 for auxiliary contacts 							
— solid or stranded			2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)				
— finely strande	— finely stranded with core end processing			.5 1.5 mm²), 2x (0.75	2.5 mm²)		
for AWG cables for auxiliary contacts			2x (20 16), 2x (18 14)				
AWG number as coded connectable conductor cross section							
 for main contacts 			16	8			
 for auxiliary contact 	ts		20	14			
Safety related data							
product function							
 mirror contact according 	ording to IEC 60947-4-	1	Yes				
suitability for use safety-r	elated switching OFF		Yes;	applies only to contactor of	perating mechanism		
proportion of dangerou	s failures						
 with low demand rate 	ate according to SN 31	920	40 %				
	ate according to SN 3		73 %				
B10 value with high der			1 000	000			
failure rate [FIT] with lov 31920	•		100	FIT			
IEC 61508							
T1 value							
 for proof test interv 61508 	• for proof test interval or service life according to IEC						
Electrical Safety							
protection class IP on the	ne front according to	IEC 60529	IP20				
touch protection on the	front according to IE	C 60529	finge	r-safe, for vertical contact	from the front		
Approvals Certificates							
General Product Appro	val						
SP.	CE EG-Konf.	UK CA		<u>Confirmation</u>		Ű	
General Product Appro	val	EMV		Functional Saftey	Test Certificates		
KC		•		Type Examination Cer-	Type Test Certific-	Special Test Certific-	
	EHC		•	tificate	ates/Test Report	ate	
Marine / Shipping							
ABS	BUREAU VERITAS			Lloyd's Register us	RINA	RMRS RMRS	
other				Environment			
<u>Miscellaneous</u>	Confirmation	<u>Confirmatio</u>	n	EPD Typ II/III (with life cylce assessment)			

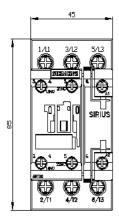
Further information Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,...) https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2027-1AG20 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2027-1AG20 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2027-1AG20

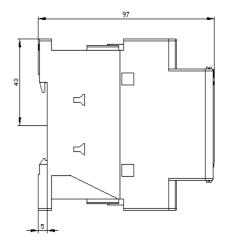
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2027-1AG20&lang=en

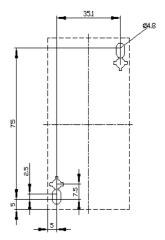
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.indu siemens.com/cs/ww/en/ps/3RT20 320/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2027-1AG20&objecttype=14&gridview=view1











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