SIEMENS

Data sheet

3RT2027-2AC24



power contactor, AC-3e/AC-3, 32 A, 15 kW / 400 V, 3-pole, 24 V AC, 50/60 Hz, auxiliary contacts: 2 NO + 2 NC, spring-loaded terminal, size: S0, removable auxiliary switch

product brand name	SIRIUS			
product designation	Power contactor			
product type designation	3RT2			
General technical data				
size of contactor	S0			
product extension				
 function module for communication 	No			
auxiliary switch	No			
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			
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)				
Weight	0.489 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 maximum	95 %			

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	
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 value	50 A
 at AC-1 — up to 690 V at ambient temperature 40 °C rated 	50 A
value — up to 690 V at ambient temperature 60 °C rated	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
• 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	20.0.4
— 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 up to 500 V for current peak value n=20 rated value 	30.8 A
 up to 500 V for current peak value n=20 rated value up to 600 V for current peak value n=20 rated value 	27 A 21 A
 — up to 690 V for current peak value n=20 rated value at AC-6a 	21 A
— 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 2 summer in states in series of DC 4						
with 3 current paths in series at DC-1	25 A					
— at 24 V rated value	35 A					
— at 60 V rated value	35 A					
— at 110 V rated value	35 A					
— at 220 V rated value	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						

no-load switching frequency

• at AC	5 000 1/h				
• at AC operating frequency					
• at AC-1 maximum	1 000 1/b				
	1 000 1/h 750 1/h				
• at AC-2 maximum	750 1/h 750 1/h				
• at AC-3 maximum	750 1/h 750 1/h				
• at AC-3e maximum					
• 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	24 V				
• at 60 Hz rated value	24 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				
• at AC arcing time	4 16 ms 10 10 ms				
arcing time	10 10 ms				
arcing time control version of the switch operating mechanism	10 10 ms				
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous	10 10 ms Standard A1 - A2				
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous	10 10 ms Standard A1 - A2 2				
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact	10 10 ms Standard A1 - A2 2 2				
arcing time control version of the switch operating mechanism 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	10 10 ms Standard A1 - A2 2 2				
arcing time control version of the switch operating mechanism 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	10 10 ms Standard A1 - A2 2 2 10 A				
arcing time control version of the switch operating mechanism 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	10 10 ms Standard A1 - A2 2 2 10 A 6 A				
arcing time control version of the switch operating mechanism 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	10 10 ms Standard A1 - A2 2 2 10 A 6 A 3 A				
arcing time control version of the switch operating mechanism 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	10 10 ms Standard A1 - A2 2 2 10 A 6 A 3 A 2 A				
arcing time control version of the switch operating mechanism 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	10 10 ms Standard A1 - A2 2 2 10 A 6 A 3 A 2 A				
arcing time control version of the switch operating mechanism 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	10 10 ms Standard A1 - A2 2 2 10 A 6 A 3 A 2 A 1 A				
arcing time control version of the switch operating mechanism 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	10 10 ms Standard A1 - A2 2 2 10 A 6 A 3 A 2 A 1 A 10 A				
arcing time control version of the switch operating mechanism 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	10 10 ms Standard A1 - A2 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A				
arcing time control version of the switch operating mechanism 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 48 V rated value • at 48 V rated value • at 60 V rated value	10 10 ms Standard A1 - A2 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A				
arcing time control version of the switch operating mechanism 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 48 V rated value • at 60 V rated value • at 410 V rated value	10 10 ms Standard A1 - A2 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A				
arcing time control version of the switch operating mechanism 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 • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value	10 10 ms Standard A1 - A2 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 3 A 2 A 1 A				
arcing time control version of the switch operating mechanism 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 • at 48 V rated value • at 400 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 100 V rated value • at 24 V rated value • at 25 V rated value • at 125 V rated value • at 220 V rated value	10 10 ms Standard A1 - A2 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 3 A 2 A 1 A				
arcing time control version of the switch operating mechanism 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 48 V rated value • at 400 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value	10 10 ms Standard A1 - A2 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 3 A 2 A 1 A				
arcing time control version of the switch operating mechanism 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 48 V rated value • at 60 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 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value	10 10 ms Standard A1 - A2 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 3 A 2 A 1 A 10 A 6 A 3 A 2 A 1 A 10 1				
arcing time control version of the switch operating mechanism 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 24 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value	10 10 ms Standard A1 - A2 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6				
arcing time control version of the switch operating mechanism 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 120 V rated value • at 220 V rated value • at 24 V rated value • at 24 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	10 10 ms Standard A1 - A2 2 2 10 A 6 A 3 A 2 A 10 A 6 A 3 A 2 A 10 A 6 A 3 A 2 A 10 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 2 A 1 A 0.15 A				
arcing time control version of the switch operating mechanism 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 230 V rated value • at 24 V rated value • at 10 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 600 V rated value • at 48 V rated value • at 600 V rated value • at 60 V rated value </td <td>10 10 ms Standard A1 - A2 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6</td>	10 10 ms Standard A1 - A2 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6				
arcing time control version of the switch operating mechanism 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 10 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value <td>10 10 ms Standard A1 - A2 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6</td>	10 10 ms Standard A1 - A2 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6				
arcing time control version of the switch operating mechanism 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 230 V rated value • at 24 V rated value • at 10 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 600 V rated value • at 48 V rated value • at 600 V rated value • at 60 V rated value </td <td>10 10 ms Standard A1 - A2 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6</td>	10 10 ms Standard A1 - A2 2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6				

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	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	2 hp 5 hp				
• for 3-phase AC motor	5 HP				
— 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 / Q600				
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	144 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	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 mm ²)				
 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 w 	vithout core end processin	g	1 6	S mm²			
connectable conducto	or cross-section for auxi	liary contacts					
 solid or stranded 			0.5	. 2.5 mm²			
 finely stranded w 	vith core end processing		0.5	. 1.5 mm²			
 finely stranded w 	ithout core end processin	g	0.5	0.5 2.5 mm²			
type of connectable c	onductor cross-sections	5					
 for auxiliary containing 	acts						
— solid or stra	anded		2x (0.5 2.5 mm²)				
- finely strand	ded with core end process	ing 2x (0.5 1.5 mm ²)					
- finely strand	ded without core end proc	essing	2x (0	.5 2.5 mm²)			
	for auxiliary contacts		2x (20 14)				
section	ed connectable conducto	or cross					
 for main contacts 			18				
 for auxiliary containing 	acts		20	14			
Safety related data			_	_	_		
product function							
	cording to IEC 60947-4-1		Yes				
	operation according to IE0	C 60947-5-1	No				
 suitable for safet 	-		Yes				
suitability for use safety			Yes				
service life maximum			20 a				
test wear-related serv	ice life necessary		Yes				
proportion of dangero							
	rate according to SN 319		40 %				
	d rate according to SN 31		73 %				
	emand rate according to		1 000	000 (
31920	low demand rate accord	ing to SN	100 F	ΠT			
ISO 13849							
device type according			3				
overdimensioning acc	cording to ISO 13849-2 n	ecessary	Yes				
IEC 61508	IEC 61508						
safety device type acc Electrical Safety	safety device type according to IEC 61508-2 Electrical Safety		Туре А				
protection class IP on	the front according to I	EC 60529	IP20				
touch protection on the	ne front according to IEC	60529	finge	r-safe, for vertical contact	from the front		
Approvals Certificates							
General Product App	roval						
CE EG-Konf.	UK CA			<u>Confirmation</u>	(U) u	<u>KC</u>	
General Product Approval	EMV	Functional Saftey		Test Certificates		Marine / Shipping	
EHC	RCM	<u>Type Examinatic</u> tificate	on Cer-	Special Test Certific- ate	<u>Type Test Certific-</u> ates/Test Report	ABS	
Marine / Shipping						other	
BUREAU VERITAS		PRS		RINA	KMRS	<u>Miscellaneous</u>	
other	Railway	Environment					



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=3RT2027-2AC24

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2027-2AC24

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2027-2AC24

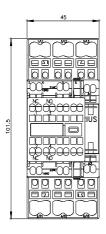
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

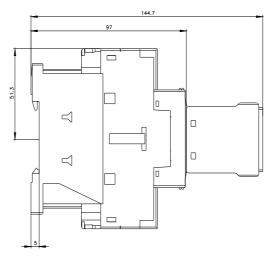
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2027-2AC24&lang=en

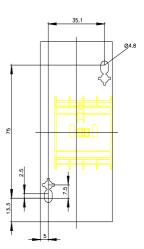
Characteristic: Tripping characteristics, I²t, Let-through current

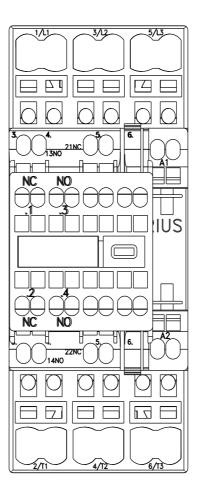
https://support.industry.siemens.com/cs/ww/en/ps/3RT2027-2AC24/char Further characteristics (e.g. electrical endurance, switching frequency)

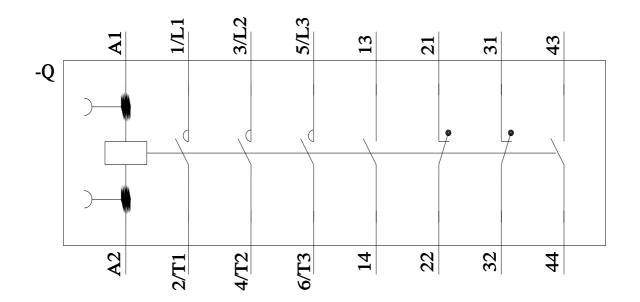
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2027-2AC24&objecttype=14&gridview=view1











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