SIEMENS

Data sheet

3RT2046-1AN24



power contactor, AC-3e/AC-3, 95 A, 45 kW / 400 V, 3-pole, 220 V AC, 50/60 Hz, auxiliary contacts: 2 NO + 2 NC, screw terminal, size: S3, removable auxiliary switch

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S3
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 	19.8 W
 at AC in hot operating state per pole 	6.6 W
 without load current share typical 	25 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	1 000 V
 of auxiliary circuit with degree of pollution 3 rated value 	690 V
surge voltage resistance	
 of main circuit rated value 	8 kV
 of auxiliary circuit rated value 	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	10.3g / 5 ms, 6,.g / 10 ms
shock resistance with sine pulse	
• at AC	16.3g / 5 ms, 10.g / 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)	03/01/2017
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	1 000 V
 at AC-3e rated value maximum 	1 000 V
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated 	130 A
value	
• at AC-1	
 — up to 690 V at ambient temperature 40 °C rated value 	130 A
— up to 690 V at ambient temperature 60 °C rated	110 A
value	
• at AC-3	
— at 400 V rated value	95 A
— at 500 V rated value	95 A
— at 690 V rated value	78 A
— at 1000 V rated value	30 A
• at AC-3e	
— at 400 V rated value	95 A
— at 500 V rated value	95 A
— at 690 V rated value	78 A
— at 1000 V rated value	30 A
• at AC-4 at 400 V rated value	80 A
 at AC-5a up to 690 V rated value 	114 A
• at AC-5b up to 400 V rated value	95 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	84.4 A
— up to 400 V for current peak value n=20 rated value	84.4 A
— up to 500 V for current peak value n=20 rated value	84.4 A
— up to 690 V for current peak value n=20 rated value	58 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	56.3 A
— up to 400 V for current peak value n=30 rated value	56.3 A
— up to 500 V for current peak value n=30 rated value	56.3 A
— up to 690 V for current peak value n=30 rated value	56.3 A 50 mm ²
minimum cross-section in main circuit at maximum AC-1 rated value	50 mm-
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	42 A
at 690 V rated value	30 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	100 A
— at 60 V rated value	60 A
— at 110 V rated value	9 A
— at 220 V rated value	2 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.4 A
 with 2 current paths in series at DC-1 	
— at 24 V rated value	100 A
— at 60 V rated value	100 A
— at 110 V rated value	100 A
— at 220 V rated value	10 A
— at 440 V rated value	1.8 A
— at 600 V rated value	1 A
 with 3 current paths in series at DC-1 	
— at 24 V rated value	100 A
— at 60 V rated value	100 A
— at 110 V rated value	100 A
— at 220 V rated value	80 A
— at 440 V rated value	4.5 A

— at 600 V rated value	2.6 A			
at 1 current path at DC-3 at DC-5				
— at 24 V rated value	40 A			
— at 60 V rated value	6 A			
— at 110 V rated value	2.5 A			
— at 220 V rated value				
— at 440 V rated value	0.15 A			
— at 600 V rated value	0.06 A			
• with 2 current paths in series at DC-3 at DC-5	400.4			
— at 24 V rated value	100 A			
— at 60 V rated value	100 A 100 A			
— at 110 V rated value				
— at 220 V rated value	7 A 0.42 A			
— at 440 V rated value	0.42 A			
— at 600 V rated value	0.16 A			
with 3 current paths in series at DC-3 at DC-5	100 A			
— at 24 V rated value	100 A			
— at 60 V rated value	100 A			
— at 110 V rated value	100 A			
- at 220 V rated value	35 A			
— at 440 V rated value	0.8 A			
— at 600 V rated value	0.35 A			
operating power				
• at AC-2 at 400 V rated value	45 kW			
• at AC-3	00.1111			
— at 230 V rated value	22 kW			
— at 400 V rated value	45 kW			
— at 500 V rated value	55 kW			
— at 690 V rated value	75 kW			
— at 1000 V rated value	37 kW			
• at AC-3e	001111			
— at 230 V rated value	22 kW			
— at 400 V rated value	45 kW			
— at 500 V rated value	55 kW			
— at 690 V rated value	75 kW			
- at 1000 V rated value	37 kW			
operating power for approx. 200000 operating cycles at AC- 4				
• at 400 V rated value	22 kW			
• at 690 V rated value	27.4 kW			
operating apparent power at AC-6a				
• up to 230 V for current peak value n=20 rated value	33 kVA			
 up to 400 V for current peak value n=20 rated value 	58 kVA			
 up to 500 V for current peak value n=20 rated value 	73 kVA			
 up to 690 V for current peak value n=20 rated value 	69 kVA			
operating apparent power at AC-6a				
• up to 230 V for current peak value n=30 rated value	22.4 kVA			
 up to 400 V for current peak value n=30 rated value 	39 kVA			
 up to 500 V for current peak value n=30 rated value 	48.7 kVA			
• up to 690 V for current peak value n=30 rated value	67.3 kVA			
short-time withstand current in cold operating state up to 40 °C				
 limited to 1 s switching at zero current maximum 	1 725 A; Use minimum cross-section acc. to AC-1 rated value			
 limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum 	1 297 A; Use minimum cross-section acc. to AC-1 rated value			
 Initial to 5 s switching at zero current maximum Iimited to 10 s switching at zero current maximum 	946 A; Use minimum cross-section acc. to AC-1 rated value			
 Initial to 10 s switching at zero current maximum Iimited to 30 s switching at zero current maximum 	610 A; Use minimum cross-section acc. to AC-1 rated value			
 Initial to 50 s switching at zero current maximum Iimited to 60 s switching at zero current maximum 	486 A; Use minimum cross-section acc. to AC-1 rated value			
no-load switching frequency	Too A, Ose minimum cross-section act. to AC-1 rated value			
• at AC	5 000 1/h			
operating frequency				
• at AC-1 maximum	900 1/h			
- acrest maximum				

• at AC-2 maximum	350 1/h			
• at AC-3 maximum	850 1/h			
• at AC-3e maximum	850 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 	220 V			
• at 60 Hz rated value	220 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	348 VA			
• at 60 Hz	296 VA			
inductive power factor with closing power of the coil				
• at 50 Hz	0.62			
• at 60 Hz	0.55			
apparent holding power of magnet coil at AC	25.1/4			
• at 50 Hz	25 VA 18 VA			
• at 60 Hz	IO VA			
inductive power factor with the holding power of the coil • at 50 Hz	0.35			
	0.35			
• at 60 Hz	0.41			
elosing delay • at AC	13 50 ms			
opening delay	15 50 IIIS			
• at AC	10 21 ms			
arcing time	10 21 ms			
	Standard A1 - A2			
control version of the switch operating mechanism				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact	2			
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact	2			
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous	2 2			
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	2 2			
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	2 2 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	2 2 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	2 2 10 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	2 2 10 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	2 2 10 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 690 V rated value	2 2 10 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	2 2 10 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 400 V rated value • at 500 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value	2 2 10 A 6 A 3 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 24 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 600 V rated value	2 2 10 A 6 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	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 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 48 V rated value • at 48 V rated value • at 48 V rated value • at 410 V rated value • at 220 V rated value	2 2 10 A 6 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 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value	2 2 10 A 6 A 3 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 690 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 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 125 V rated value • at 220 V rated value • at 600 V rated value	2 2 10 A 6 A 3 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 400 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 25 V rated value • at 110 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	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 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 • at 220 V rated value • at 600 V rated value • at 24 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 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 400 V rated value • at 220 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 220 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	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 6 A 6 A 3 A 2 A 1 A 6 A 3 A 2 A 1 A 7			
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 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 • at 100 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 6 A 2 A 1 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 690 V rated value • at 600 V rated value • at 10 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 600 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 100 V rated value <t< td=""><td>2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 1 A 0.15 A</td></t<>	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 1 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 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 60 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 600 V rated value • at 24 V rated value • at 600 V rated value • at 110 V rated value <tr< td=""><td>2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A</td></tr<>	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 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 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 220 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 600 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 110 V rated value • at 24 V rated value • at 600 V rated value • at 110 V rated value • at 125 V rated value <	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 1 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 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 60 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 600 V rated value • at 24 V rated value • at 600 V rated value • at 110 V rated value <tr< td=""><td>2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A</td></tr<>	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A			

• at 480 V rated value	96 A				
• at 600 V rated value	77 A				
yielded mechanical performance [hp]					
 for single-phase AC motor 					
— at 110/120 V rated value	10 hp				
— at 230 V rated value	20 hp				
 for 3-phase AC motor 					
— at 200/208 V rated value	30 hp				
— at 220/230 V rated value	30 hp				
— at 460/480 V rated value	75 hp				
— at 575/600 V rated value	75 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: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80				
- with type of assignment 2 required	gG: 160 A (690 V, 100 kA), aM: 100 A (690 V, 100 kA), BS88: 125 A (415 V, 80				
	kA)				
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	140 mm				
width	70 mm				
depth	195 mm				
required spacing					
 with side-by-side mounting 					
— forwards	20 mm				
— upwards	10 mm				
— downwards	10 mm				
— at the side	0 mm				
 for grounded parts 					
— forwards	20 mm				
— upwards	10 mm				
— at the side	10 mm				
— downwards	10 mm				
• for live parts					
— forwards	20 mm				
— upwards	10 mm				
— downwards	10 mm				
— at the side	10 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					
finely stranded with core end processing	2x (2.5 35 mm²), 1x (2.5 50 mm²)				
connectable conductor cross-section for main contacts					
solid	2.5 16 mm²				
stranded	6 70 mm²				
finely stranded with core end processing	2.5 50 mm²				
connectable conductor cross-section for auxiliary contacts	0.5 0.5 mm²				
solid or stranded	0.5 2.5 mm ²				
 finely stranded with core end processing 	0.5 2.5 mm²				
 type of connectable conductor cross-sections for auxiliary contacts 					

— solid or stran	ded		2x (0.5 1.5 mm²), 2>	$(0.75 - 2.5 \text{ mm}^2)$		
	ed with core end process	ina	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)			
 for AWG cables for 			2x (0.0 16), 2x (18 14)			
AWG number as coded section	-	r cross		,		
 for main contacts 			10 2			
 for auxiliary contact 	ots		20 14			
Safety related data						
product function						
 mirror contact according 	ording to IEC 60947-4-1		Yes			
 positively driven or 	 positively driven operation according to IEC 60947-5-1 		No			
suitability for use safety-r	elated switching OFF		Yes			
B10 value with high dema	and rate according to SN	31920	1 000 000			
proportion of dangerou	is failures					
 with low demand r 	ate according to SN 3192	20	40 %			
 with high demand 	rate according to SN 319	920	73 %			
failure rate [FIT] with low	demand rate according t	o SN 31920	100 FIT			
T1 value for proof test int 61508	terval or service life acco	rding to IEC	20 a			
protection class IP on t	he front according to I	EC 60529	IP20			
touch protection on the	e front according to IEC	60529	finger-safe, for vertical	contact from the front		
Certificates/ approvals						
General Product Appro	oval					
		<u>Confirmation</u>		KC	EHE	
EMC	Functional Safety/Safety of Ma- chinery	Declaration of	Conformity	Test Certificates	Marine / Shipping	
RCM	<u>Type Examination Cer-</u> <u>tificate</u>	CE EG-Konf.	UK CF	Special Test Certific- ate	ABS	
Marine / Shipping					other	
	Lloyds Register us	PRS	RINA	RMRS	<u>Confirmation</u>	
Railway	Dangerous Good	Environment				
Vibration and Shock	Transport Information	Environmental (firmations	<u>Con-</u>			

Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3RT2046-1AN24

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2046-1AN24

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

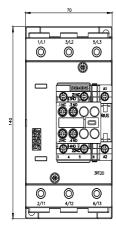
https://support.industry.siemens.com/cs/ww/en/ps/3RT2046-1AN24

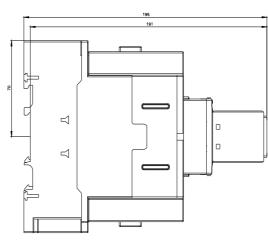
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2046-1AN24&lang=en

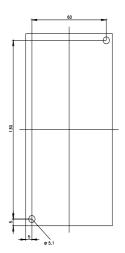
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2046-1AN24/char

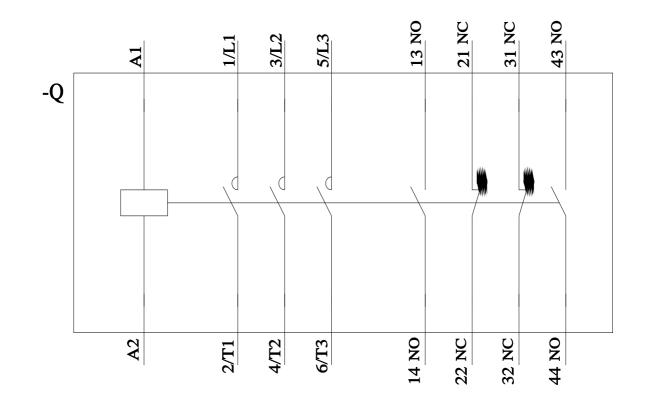
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2046-1AN24&objecttype=14&gridview=view1









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