SIEMENS

Data sheet

3RT2045-1AP00



power contactor, AC-3 80 A, 37 kW / 400 V 1 NO + 1 NC, 230 V AC/50 Hz 3-pole, 3 NO, Size S3 screw terminal

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 	15.9 W
 at AC in hot operating state per pole 	5.3 W
 without load current share typical 	19 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 safe isolation 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 (switching 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	125 A
rated value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	125 A
— up to 690 V at ambient temperature 60 °C	105 A
rated value	
• at AC-3	
— at 400 V rated value	80 A
— at 500 V rated value	80 A
— at 690 V rated value	58 A
— at 1000 V rated value	30 A
● at AC-3e	
— at 400 V rated value	80 A
— at 500 V rated value	80 A
— at 690 V rated value	58 A
— at 1000 V rated value	30 A
 at AC-4 at 400 V rated value 	66 A
 at AC-5a up to 690 V rated value 	110 A
 at AC-5b up to 400 V rated value 	80 A
● at AC-6a	
 — up to 230 V for current peak value n=20 rated value 	80 A
— up to 400 V for current peak value n=20 rated	80 A
value	00 A
— up to 500 V for current peak value n=20 rated	80 A
value	
 up to 690 V for current peak value n=20 rated 	58 A
value	
• at AC-6a	54.0
 — up to 230 V for current peak value n=30 rated value 	54 A
— up to 400 V for current peak value n=30 rated	54 A
value	
— up to 500 V for current peak value n=30 rated	54 A
value	
 — up to 690 V for current peak value n=30 rated value 	54 A
minimum cross-section in main circuit at maximum AC-1	50 mm²
rated value	
operational current for approx. 200000 operating	
cycles at AC-4	
• at 400 V rated value	34 A
at 690 V rated value	24 A
operational current	
• at 1 current path at DC-1	400.4
— at 24 V rated value	100 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 24 V rated value	100 A 100 A
— at 110 V rated value — at 220 V rated value	100 A 10 A
— at 220 V rated value — at 440 V rated value	10 A 1.8 A
- al 440 v raleu value	1.0 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 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 110 V rated value	2.5 A				
— at 220 V rated value	1 A				
— 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 					
— at 24 V rated value	100 A				
— at 110 V rated value	100 A				
— at 220 V rated value	7 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 					
— at 24 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	0.007				
at AC-2 at 400 V rated value	37 kW				
• at AC-3					
— at 230 V rated value	22 kW				
— at 400 V rated value	37 kW				
— at 500 V rated value	57 KW 45 kW				
— at 690 V rated value	55 kW				
— at 1000 V rated value	37 kW				
• at AC-3e	57 KW				
• at AC-se — at 230 V rated value	22 kW				
— at 400 V rated value	37 kW				
— at 500 V rated value	45 kW				
— at 690 V rated value	55 kW				
— at 1000 V rated value	37 kW				
operating power for approx. 200000 operating cycles at AC-4					
at 400 V rated value	17.9 kW				
at 690 V rated value	21.8 kW				
operating apparent power at AC-6a					
up to 230 V for current peak value n=20 rated value	31 kVA				
• up to 400 V for current peak value n=20 rated value	55 kVA				
• up to 500 V for current peak value n=20 rated value	69 kVA				
 up to 500 V for current peak value n=20 rated value 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	21.5 kVA				
 up to 200 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value 	37.4 kVA				
 up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 	46.7 kVA				
	64.5 kVA				
up to 690 V for current peak value n=30 rated value					
short-time withstand current in cold operating state up to 40 °C					
 limited to 1 s switching at zero current maximum 	1 500 A; Use minimum cross-section acc. to AC-1 rated value				
 limited to 5 s switching at zero current maximum 	1 186 A; Use minimum cross-section acc. to AC-1 rated value				
 limited to 10 s switching at zero current maximum 	851 A; Use minimum cross-section acc. to AC-1 rated value				
 limited to 30 s switching at zero current maximum 	538 A; Use minimum cross-section acc. to AC-1 rated value				
 limited to 60 s switching at zero current maximum 	423 A; Use minimum cross-section acc. to AC-1 rated value				
no-load switching frequency					

● at AC	5 000 1/h				
	5 000 1/1				
operating frequency	000.4#				
• at AC-1 maximum	900 1/h				
• at AC-2 maximum	400 1/h				
 at AC-3 maximum 	1 000 1/h				
 at AC-3e maximum 	1 000 1/h				
 at AC-4 maximum 	300 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				
apparent pick-up power of magnet coil at AC					
• at 50 Hz	296 VA				
inductive power factor with closing power of the coil					
• at 50 Hz	0.61				
apparent holding power of magnet coil at AC					
• at 50 Hz	19 VA				
inductive power factor with the holding power of the					
coil					
• at 50 Hz	0.38				
closing delay					
• at AC	13 50 ms				
opening delay					
• at AC	10 21 ms				
arcing time	10 20 ms				
control version of the switch operating mechanism	Standard A1 - A2				
Auxiliary circuit					
	4				
number of NC contacts for auxiliary contacts instantaneous contact	1				
instantaneous contact number of NO contacts for auxiliary contacts	1				
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact	1				
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum					
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15	1 10 A				
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 10 A 6 A				
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 10 A 6 A 3 A				
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 10 A 6 A 3 A 2 A				
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 10 A 6 A 3 A				
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 operational current at DC-12	1 10 A 6 A 3 A 2 A 1 A				
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 10 A 6 A 3 A 2 A 1 A 10 A				
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	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A				
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 60 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A				
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 operational current at DC-12 at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value 	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A				
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 24 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 at 125 V rated value 	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A				
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 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 60 V rated value at 210 V rated value at 48 V rated value at 400 V rated value at 410 V rated value at 125 V rated value at 220 V rated value 	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A				
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 24 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A				
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 operational current at DC-12 at 24 V rated value at 60 V rated value at 10 V rated value at 220 V rated value at 220 V rated value at 600 V rated value 	1 10 A 6 A 3 A 2 A 1 A 10 A 6 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				
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 24 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 1				
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 operational current at DC-12 at 24 V rated value at 60 V rated value at 10 V rated value at 220 V rated value at 220 V rated value at 600 V rated value 	1 10 A 6 A 3 A 2 A 1 A 10 A 6 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				
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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 24 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 • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 1				
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 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value	1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 10 A 2 A 1 A 1 A 10 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1				
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 24 V rated value • at 48 V rated value • at 48 V rated value • at 10 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 24 V rated value • at 100 V rated value • at 24 V rated value • at 24 V rated value • at 600 V rated value • at 24 V rated value	1 10 A 6 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 10 A 2 A 1 A 10 1				
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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 24 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 • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 48 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 125 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 125 V rated value • at 125 V rated value • at 125 V rated value • at 600 V rated value • at 125 V rated value • at 600 V rated value • at 600 V rated value	1 10 A 6 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 10 A 6 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 A 6 A 3 A 2 A 1 A 0.15 A 10 A 0.15 A				
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 24 V rated value • at 48 V rated value • at 60 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 24 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 260 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 20 V rated value • at 20 V rated value • at 20 V rated value • at 60 V rated value	1 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 10 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 1 A 1 A 10 A 6 A 6 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1				
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 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 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 260 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 20 V rated value • at 20 V rated value • at 600 V rated value • at 600 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 600 V rated value • at 125 V rated value • at 100 V rated value • at 200 V rated value	1 10 A 6 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 10 A 6 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 A 6 A 3 A 2 A 1 A 0.15 A 10 A 0.15 A				
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yielded mechanical performance [hp]					
 for single-phase AC motor 					
— at 110/120 V rated value	7.5 hp				
— at 230 V rated value	15 hp				
 for 3-phase AC motor 					
— at 200/208 V rated value	25 hp				
— at 220/230 V rated value	30 hp				
— at 460/480 V rated value	60 hp				
— at 575/600 V rated value	60 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 kA)				
— with type of assignment 2 required	gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (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 standard mounting rail according to DIN EN 60715				
 side-by-side mounting 	Yes				
height	140 mm				
width	70 mm				
depth	152 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					
 Infinite contacts — finely stranded with core end processing 	2x (2.5 35 mm²), 1x (2.5 50 mm²)				
at AWG cables for main contacts	2x (2.5 35 mm), 1x (2.5 50 mm) 2x (10 1/0), 1x (10 2)				
connectable conductor cross-section for main	,,,,,,,,				
contacts	$2.5 - 16 \text{ mm}^2$				
solid	2.5 16 mm ²				
 stranded finally stranded with core and proceeding 	6 70 mm ²				
finely stranded with core end processing	2.5 50 mm²				
connectable conductor cross-section for auxiliary contacts					

solid or strandedfinely stranded with	1 core end processin	a	0.5 2.5 mm² 0.5 2.5 mm²			
		•	0.0 2.0 mm			
 type of connectable conductor cross-sections for auxiliary contacts 						
- solid or stranded		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)				
	— solid of stranded — finely stranded with core end processing			5 mm²), 2x (0.75	,	
•		cooling		, ,	2.0 mm)	
at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section		2x (20 16), 2x (18 14)				
for main contacts			10 2			
 for auxiliary contact 	ts		20 14			
Safety related data			20 14			
			_	_		
product function	anding to IEC COO17	4.4	Vaa			
 mirror contact acco 	-		Yes			
positively driven op 5-1			No			
B10 value with high dema		5 SN 31920	1 000 000			
proportion of dangerou						
 with low demand rate 	-		40 %			
 with high demand r 			73 %			
failure rate [FIT] with low 31920	demand rate accord	ling to SN	100 FIT			
	enval or convice life a	according to	20 \			
T1 value for proof test int IEC 61508		-	20 у			
protection class IP on t 60529			IP20			
touch protection on the	e front according to	IEC 60529	finger-safe, fo	or vertical conta	act from the front	
suitability for use						
 safety-related switch 	ching on		Yes			
 safety-related switch 	ching OFF		Yes			
Certificates/ approvals						
General Product Appro	oval					
(SP)		<u>Confirmatio</u>	<u>n</u>	(Ψ	<u>KC</u>	EHC
EMC S	unctional Safety/Safety of Jachinery	Declaration o	f Conformity		Test Certificates	
	<u>Fype Examination</u> <u>Certificate</u>	UK CA		CE EG-Konf.	Type Test Certific- ates/Test Report	Special Test Certific- ate
Marine / Shipping						
ABS		Llovd's Kegister urs		PRS	RINA	RMRS RMRS
other R	Railway	Dangerous G	ood			
Confirmation <u>Vi</u>	bration and Shock	<u>Transport Info</u> tion	<u>rma-</u>			

Further information

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=3RT2045-1AP00

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2045-1AP00

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2045-1AP00

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

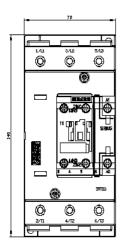
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2045-1AP00&lang=en

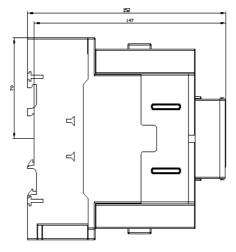
Characteristic: Tripping characteristics, I²t, Let-through current

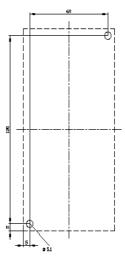
https://support.industry.siemens.com/cs/ww/en/ps/3RT2045-1AP00/char

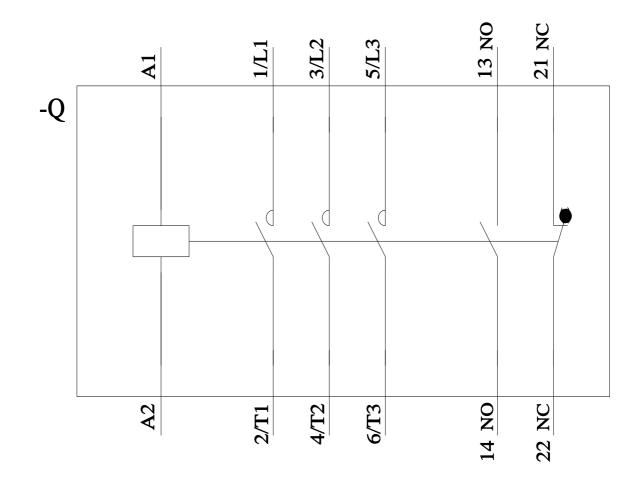
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2045-1AP00&objecttype=14&gridview=view1









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