SIEMENS

Data sheet 3RT2047-1AK60



Contactor, AC-3, 55 kW/400 V 1 NO+1 NC, 110 V AC/50 Hz 120 V/60 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 	23.7 W	
 at AC in hot operating state per pole 	7.9 W	
 without load current share typical 	22 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	6.7 g / 5 ms, 4.0 g / 10 ms	
shock resistance with sine pulse		
• at AC	10.6 g / 5 ms, 6.3 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 	130 A		
rated value			
• at AC-1			
 up to 690 V at ambient temperature 40 °C rated value 	130 A		
	110 A		
 up to 690 V at ambient temperature 60 °C rated value 	1 10 A		
• at AC-3			
— at 400 V rated value	110 A		
— at 500 V rated value	110 A		
— at 690 V rated value	98 A		
— at 1000 V rated value	30 A		
• at AC-3e			
— at 400 V rated value	110 A		
— at 500 V rated value	110 A		
— at 690 V rated value	98 A		
— at 1000 V rated value	30 A		
at AC-4 at 400 V rated value	97 A		
• at AC-5a up to 690 V rated value	120 A		
• at AC-5a up to 400 V rated value	110 A		
• at AC-6a	110 A		
— up to 230 V for current peak value n=20 rated	98 A		
value	90 A		
— up to 400 V for current peak value n=20 rated	98 A		
value			
 up to 500 V for current peak value n=20 rated 	98 A		
value			
— up to 690 V for current peak value n=20 rated	98 A		
value ● at AC-6a			
— up to 230 V for current peak value n=30 rated	65.3 A		
value	05.3 A		
— up to 400 V for current peak value n=30 rated	65.3 A		
value			
— up to 500 V for current peak value n=30 rated	65.3 A		
value			
— up to 690 V for current peak value n=30 rated	65.3 A		
value minimum cross-section in main circuit at maximum AC-1	50 mm²		
rated value	50 Hilli		
operational current for approx. 200000 operating			
cycles at AC-4			
at 400 V rated value	46 A		
at 690 V rated value	36 A		
operational current			
• at 1 current path at DC-1			
— 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 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 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			
 at AC-2 at 400 V rated value 	55 kW		
• at AC-3			
— at 230 V rated value	30 kW		
— at 400 V rated value	55 kW		
— at 500 V rated value	75 kW		
— at 690 V rated value	90 kW		
— at 1000 V rated value	37 kW		
• at AC-3e			
— at 1000 V rated value	37 kW		
— at 230 V rated value	30 kW		
— at 400 V rated value	55 kW		
— at 500 V rated value	75 kW		
— at 690 V rated value	90 kW		
operating power for approx. 200000 operating cycles			
at AC-4			
 at 400 V rated value 	24.3 kW		
at 690 V rated value	32.9 kW		
operating apparent power at AC-6a			
 up to 230 V for current peak value n=20 rated value 	39 kVA		
 up to 400 V for current peak value n=20 rated value 	67 kVA		
 up to 500 V for current peak value n=20 rated value 	84 kVA		
up to 690 V for current peak value n=20 rated value	117 kVA		
operating apparent power at AC-6a			
 up to 230 V for current peak value n=30 rated value 	26 kVA		
 up to 400 V for current peak value n=30 rated value 	45.2 kVA		
 up to 500 V for current peak value n=30 rated value 	56.5 kVA		
up to 690 V for current peak value n=30 rated value	78 kVA		
short-time withstand current in cold operating state up to 40 °C			
 limited to 1 s switching at zero current maximum 	1 960 A; Use minimum cross-section acc. to AC-1 rated value		
 limited to 5 s switching at zero current maximum 	1 502 A; Use minimum cross-section acc. to AC-1 rated value		
 limited to 10 s switching at zero current maximum 	1 095 A; Use minimum cross-section acc. to AC-1 rated value		
 limited to 30 s switching at zero current maximum 	707 A; Use minimum cross-section acc. to AC-1 rated value		
 limited to 60 s switching at zero current maximum 	562 A; Use minimum cross-section acc. to AC-1 rated value		
no-load switching frequency			

• at AC	5 000 1/h
operating frequency	• • • • • • • • • • • • • • • • • • •
• at AC-1 maximum	900 1/h
• at AC-2 maximum	350 1/h
• at AC-3 maximum	850 1/h
at AC-3 maximum at AC-3e maximum	850 1/h
at AC-3e maximum at AC-4 maximum	200 1/h
Control circuit/ Control	200 1/11
	40
type of voltage of the control supply voltage	AC
control supply voltage at AC • at 50 Hz rated value	440.V
at 50 Hz rated value at 60 Hz rated value	110 V 120 V
	120 V
operating range factor control supply voltage rated value of magnet coil at AC	
● at 50 Hz	0.8 1.1
● at 60 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	326 VA
• at 60 Hz	326 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	
• at 50 Hz	22 VA
● at 60 Hz	22 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.36
• at 60 Hz	0.4
closing delay	
• at AC	13 50 ms
opening delay	
opening delay • at AC	10 21 ms
	10 21 ms 10 20 ms
• at AC	
• at AC arcing time	10 20 ms
at AC arcing time control version of the switch operating mechanism	10 20 ms
at AC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts	10 20 ms Standard A1 - A2
at AC 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	10 20 ms Standard A1 - A2
at AC 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 20 ms Standard A1 - A2
at AC 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 20 ms Standard A1 - A2
at AC 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 20 ms Standard A1 - A2 1 1 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 20 ms Standard A1 - A2 1 1 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	10 20 ms Standard A1 - A2 1 1 1 10 A 6 A 3 A
at AC 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 20 ms Standard A1 - A2 1 1 1 10 A 6 A 3 A 2 A
at AC 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	10 20 ms Standard A1 - A2 1 1 1 10 A 6 A 3 A 2 A
at AC 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 operational current at DC-12	10 20 ms Standard A1 - A2 1 1 10 A 6 A 3 A 2 A 1 A
at AC 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 operational current at DC-12 at 24 V rated value	10 20 ms Standard A1 - A2 1 1 10 A 6 A 3 A 2 A 1 A
 at AC 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 20 ms Standard A1 - A2 1 1 1 10 A 6 A 3 A 2 A 1 A
at AC 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 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 at 60 V rated value at 60 V rated value	10 20 ms Standard A1 - A2 1 1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A
at AC 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 690 V rated value at 24 V rated value at 48 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 110 V rated value	10 20 ms Standard A1 - A2 1 1 10 A 6 A 3 A 2 A 1 A 10 A 6 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 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 60 V rated value at 110 V rated value at 125 V rated value at 125 V rated value	10 20 ms Standard A1 - A2 1 1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 6 A 6 A
at AC 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 at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value	10 20 ms Standard A1 - A2 1 1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 7 A 8 A 9 A 1 A
 at AC 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 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value 	10 20 ms Standard A1 - A2 1 1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 7 A 8 A 9 A 1 A
 at AC 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 operational current at DC-12 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 600 V rated value 	10 20 ms Standard A1 - A2 1 1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 7 A 10 A 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 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 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 600 V rated value	10 20 ms Standard A1 - A2 1 1 1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7
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 690 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 220 V rated value at 220 V rated value at 220 V rated value at 24 V rated value at 24 V rated value at 25 V rated value at 27 V rated value at 28 V rated value at 29 V rated value at 29 V rated value at 24 V rated value	10 20 ms Standard A1 - A2 1 1 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 0.15 A
 at AC 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 operational current at DC-12 at 24 V rated value at 48 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 48 V rated value 	10 20 ms Standard A1 - A2 1 1 1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7
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 690 V rated value at 690 V rated value at 48 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 320 V rated value at 48 V rated value at 49 V rated value	10 20 ms Standard A1 - A2 1 1 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 0.15 A

• at 600 V rated value	0.1 A	
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	96 A	
at 600 V rated value	99 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 	40 hp	
 — at 460/480 V rated value 	75 hp	
— at 575/600 V rated value	100 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: 200A (690V,100kA), aM: 100A (690V,100kA), BS88: 160A (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	
— forwards	20 mm 10 mm	
— upwards — downwards		
— at the side	10 mm	
for grounded parts	0 mm	
— 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	0 (0 5 05 3) 4 (0 5 52 3)	
— finely stranded with core end processing	2x (2.5 35 mm²), 1x (2.5 50 mm²)	
at AWG cables for main contacts	2x (10 1/0), 1x (10 2)	
connectable conductor cross-section for main		

contacts			
• solid	2.5 16 mm²		
• stranded	6 70 mm ²		
 finely stranded with core end processing 	2.5 50 mm ²		
connectable conductor cross-section for auxiliary contacts			
 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 stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
 at AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14)		
AWG number as coded connectable conductor cross section			
 for main contacts 	10 2		
 for auxiliary contacts 	20 14		
Safety related data			
Safety related data product function			
	Yes		
product function	Yes No		
 product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 			
 product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 	No		
 product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 	No		
 product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures 	No 1 000 000		
product function	No 1 000 000 40 %		
product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN	No 1 000 000 40 % 73 %		
product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 protection class IP on the front according to IEC	No 1 000 000 40 % 73 % 100 FIT		
product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 protection class IP on the front according to IEC 60529	No 1 000 000 40 % 73 % 100 FIT IP20		
product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529	No 1 000 000 40 % 73 % 100 FIT IP20		
product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 suitability for use	No 1 000 000 40 % 73 % 100 FIT IP20 finger-safe, for vertical contact from the front		

Certificates/ approvals

General Product Approval





Confirmation



<u>KC</u>



EMC	Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates



Type Examination Certificate UK Declaration of Conformity



Type Test Certificates/Test Report

Special Test Certificate

Marine / Shipping













other Railway Dangerous Good

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=3RT2047-1AK60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2047-1AK60

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2047-1AK60

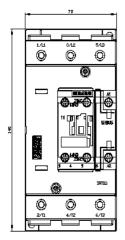
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

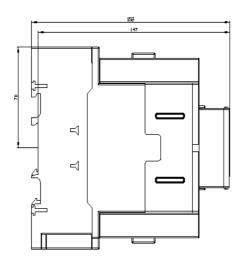
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2047-1AK60&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

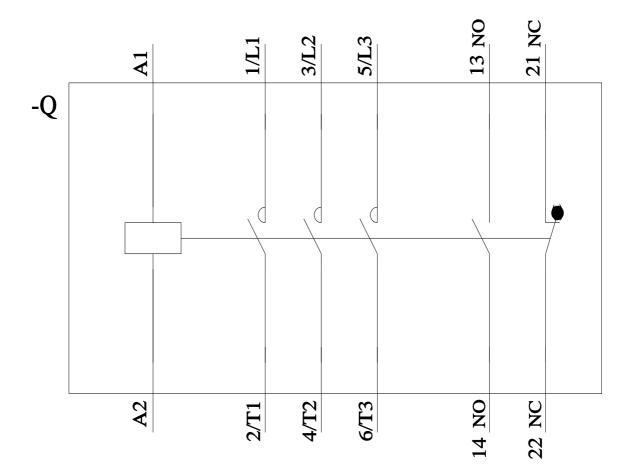
https://support.industry.siemens.com/cs/ww/en/ps/3RT2047-1AK60/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2047-1AK60&objecttype=14&gridview=view1









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