SIEMENS

Data sheet 3RT2036-3AK60



power contactor, AC-3 50 A, 22 kW / 400 V 1 NO + 1 NC, 110 V AC 50 Hz / 120 V, 60 Hz, 3-pole, Size S2, Spring-type terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S2
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	12 W
• per pole	4 W
power loss [W] for rated value of the current without load current share typical	18.5 W
surge voltage resistance	
 of main circuit rated value 	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	11.8g / 5 ms, 7.4g / 10 ms
shock resistance with sine pulse	
• at AC	18.5g / 5 ms, 11.6g / 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 acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	01.10.2014 00:00:00
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
 ambient temperature during operation 	-25 +60 °C
ambient temperature during storage	-55 +80 °C
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

operational current	70.4
 at AC-1 at 400 V at ambient temperature 40 °C rated value 	70 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C	70 A
rated value	
— up to 690 V at ambient temperature 60 °C	60 A
rated value	
• at AC-3	
— at 400 V rated value	51 A
— at 500 V rated value	51 A
— at 690 V rated value	24 A
at AC-4 at 400 V rated value at AC-5 aug to 600 V rated value	41 A 61.6 A
at AC-5a up to 690 V rated value at AC-5b up to 400 V rated value	41.5 A
at AC-5b up to 400 V rated valueat AC-6a	41.3 A
— up to 230 V for current peak value n=20 rated	43.2 A
value	70.2 A
— up to 400 V for current peak value n=20 rated	43.2 A
value	
 up to 500 V for current peak value n=20 rated value 	43.2 A
— up to 690 V for current peak value n=20 rated	24 A
value	217
• at AC-6a	
— up to 230 V for current peak value n=30 rated	28.8 A
value	
 up to 400 V for current peak value n=30 rated value 	28.8 A
— up to 500 V for current peak value n=30 rated	28.8 A
value	20.071
— up to 690 V for current peak value n=30 rated	24 A
value	2= 2
minimum cross-section in main circuit at maximum AC-1 rated value	25 mm ²
operational current for approx. 200000 operating	
cycles at AC-4	
 at 400 V rated value 	24 A
at 690 V rated value	20 A
operational current	
 at 1 current path at DC-1 	
— at 24 V rated value	55 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 reted value.	55 A
— at 24 V rated value	55 A 45 A
— at 110 V rated value — at 220 V rated value	45 A 5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
with 3 current paths in series at DC-1	0.07,
— at 24 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	45 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
operational current	
at 1 current path at DC-3 at DC-5	
— at 24 V rated value	35 A

— at 110 V rated value	2.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.1 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	55 A
— at 110 V rated value	25 A
— at 220 V rated value	5 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	55 A
— at 110 V rated value	55 A
— at 220 V rated value	25 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.35 A
operating power	
at AC-2 at 400 V rated value	22 kW
• at AC-3	
— at 230 V rated value	15 kW
— at 400 V rated value	22 kW
— at 500 V rated value	30 kW
— at 690 V rated value	22 kW
operating power for approx. 200000 operating cycles	
at AC-4	
 at 400 V rated value 	12.6 kW
at 690 V rated value	18.2 kW
operating apparent power at AC-6a	
 up to 230 V for current peak value n=20 rated value 	17.2 kV·A
 up to 400 V for current peak value n=20 rated value 	29.9 kV·A
 up to 500 V for current peak value n=20 rated value 	37.4 kV·A
up to 690 V for current peak value n=20 rated value	28.6 kV·A
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	11.4 kV·A
• up to 400 V for current peak value n=30 rated value	19.9 kV·A
• up to 500 V for current peak value n=30 rated value	24.9 kV·A
up to 690 V for current peak value n=30 rated value	28.6 kV·A
short-time withstand current in cold operating state up to 40 °C	
Iimited to 1 s switching at zero current maximum	937 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 5 s switching at zero current maximum	697 A; Use minimum cross-section acc. to AC-1 rated value
limited to 10 s switching at zero current maximum	468 A; Use minimum cross-section acc. to AC-1 rated value
limited to 30 s switching at zero current maximum	282 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	229 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	1 000 1/h
• at AC-2 maximum	600 1/h
• at AC-3 maximum	800 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
at 50 Hz rated value	110 V
• at 60 Hz rated value	120 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 212 V A 188 V A 188 V A A 1		
at 80 Hz at 80 Hz Inductive power factor with closing power of the coil at 80 Hz at 80 Hz apparent holding power of magnet coil at AC at 80 Hz	● at 60 Hz	0.8 1.1
a at 60 Hz	apparent pick-up power of magnet coil at AC	
Inductive power factor with closing power of the coil 0.89 0.85	● at 50 Hz	212 V·A
a at 50 Hz apparent holding power of magnet coil at AC at 50 Hz to 150 Hz to	• at 60 Hz	188 V·A
a # 160 Hz apparent holding power of magnet coil at AC a # 150 Hz a # 160 Hz	inductive power factor with closing power of the coil	
apparent holding power of magnet coil at AC • at 50 Hz at 60 Hz 10.36 • at 60 Hz 0.39 closing delay • at AC opening delay • at AC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 600 V rated value • at 600 V rated value • at 100 V r	• at 50 Hz	0.69
* at 50 Hz	● at 60 Hz	0.65
* at 50 Hz	apparent holding power of magnet coil at AC	
a ti 50 Hz		18.5 V·A
Inductive power factor with the holding power of the coil at 50 Hz	● at 60 Hz	16.5 V·A
a 15 0 Hz		
closing delay		
closing delay	● at 50 Hz	0.36
at AC	• at 60 Hz	0.39
at AC	closing delay	
acting time		10 80 ms
acting time	opening delay	
arcing time		10 18 ms
Control version of the switch operating mechanism Standard A1 - A2		
Auxiliary circuit number of NC contacts for auxiliary contacts 1		
number of NC contacts for auxiliary contacts instantaneous contact instantaneous contact 1 1 1 1 1 1 1 1 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 890 V rated value • at 890 V rated value • at 80 V rated value • at 80 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 60 V rated value • at 60 V rated value • at 60 V rated value • at 250 V rated value • at 200 V rated value • at 200 V rated value • at 60 V rated value • at 44 V rated value • at 60 V rated value • at 110 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 120 V rated value • at 20 V rated value • at 60 V rated valu		1
number of NO contacts for auxilliary contacts instantaneous contact		
Operational current at AC-12 maximum 10 A	number of NO contacts for auxiliary contacts	1
Operational current at AC-15		10 A
■ at 400 V rated value ■ at 590 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 48 V rated value ■ at 48 V rated value ■ at 110 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 ■ at 80 V rated value ■ at 80 V rated value ■ at 144 V rated value ■ at 147 V rated value ■ at 148 V rated value ■ at 48 V rated value ■ at 48 V rated value ■ at 110 V rated value ■ at 125 V rated value ■ at 125 V rated value ■ at 125 V rated value ■ at 120 V rated value ■ at 220 V rated value ■ at 220 V rated value □ at 220 V rated value □ at 280 V rated value □ at 480 V rated value □ at 200 V rated value □ at 1101/120 V rated value □ at 230 V rated value □ at 230 V rated value □ at 200/208 V rated value □ at 500/208 V rated value □ at 500/208 V rated value □ bt 50 pt □ at 200/208 V rated value □ at 500/208 V rated value □ at 50	•	10 A
• at 500 V rated value • at 690 V rated value 1 A operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 10 V rated value • at 110 V rated value • at 125 V rated value • at 120 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 48 V rated value • at 125 V rated value • at 600 V rated value • at 100 V rated value • at 100 V rated value • at 250 V rated value • at 250 V rated value • at 600 V rated value • at 480 V rated value • 52 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value		
• at 690 V rated value 1 A operational current at DC-12 • at 24 V rated value 6 A • at 48 V rated value 6 A • at 60 V rated value 6 A • at 110 V rated value 3 A • at 125 V rated value 2 A • at 220 V rated value 0.15 A operational current at DC-13 • at 24 V rated value 10 A • at 48 V rated value 2 A • at 24 V rated value 2 A • at 600 V rated value 10 A • at 600 V rated value 10 A • at 48 V rated value 2 A • at 60 V rated value 10 A • at 48 V rated value 2 A • at 110 V rated value 2 A • at 110 V rated value 1 A • at 220 V rated value 1 A • at 280 V rated value 1 A • at 280 V rated value 1 A • at 840 V rated value 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 52 A • at 600 V rated value 52 A yielded mechanical performance [hp] • for single-phase AC motor — at 1101/20 V rated value 10 hp • for 3-phase AC motor — at 230 V rated value 10 hp • for 3-phase AC motor — at 200/208 V rated value 15 hp		
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 80 V rated value • at 24 V rated value • at 8 V rated value • at 80 V rated value • at 110 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 250 V rated value • at 250 V rated value • at 600 V rated value • at 80 V rated value • at 600 V rated value • at 80 V rated value • at 600 V rated value • at 600 V rated value • 52 A yielded mechanical performance [hp] • for single-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200/208 V rated value • 15 hp		
 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 724 V rated value at 24 V rated value at 34 V rated value at 10 A at 48 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 20 V rated value at 20 V rated value at 600 V rated value at 600 V rated value at 600 V rated value 52 A at 600 V rated value 52 A at 600 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 72 A at 100 V rated value 52 A at 100 V rated value 52 A yielded mechanical performance [hp] for single-phase AC motor at 200 V rated value at 200 V rated value 10 hp for 3-phase AC motor at 200/208 V rated value 15 hp 	•	10 A
 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 operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 10 A 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 at 220 V rated value at 220 V rated value at 220 V rated value at 30 A at 60 0 V rated value at 250 V rated value at 60 V rated value 52 A at 600 V rated value 52 A at 600 V rated value full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value full-load current (FLA) for 3-phase AC motor at 480 V rated value at 20 V rated value for single-phase AC motor at 110/120 V rated value for 3-phase AC motor at 200/208 V rated value for 3-phase AC motor at 200/208 V rated value for 5 phase AC motor at 200/208 V rated value for 5 phase AC motor at 200/208 V rated value for 5 phase AC motor 		
 at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 48 V rated value at 10 V rated value at 60 V rated value at 48 V rated value at 10 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 220 V rated value at 30 V rated value at 30 V rated value at 600 V rated value at 600 V rated value 52 A at 600 V rated value 52 A at 600 V rated value 52 A at 600 V rated value at 480 V rated value at 22 A at 600 V rated value at 480 V rated value at 480 V rated value at 22 A at 600 V rated value at 20 V rated value 		
 at 125 V rated value at 220 V rated value at 600 V rated value 0.15 A operational current at DC-13 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 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 480 V rated value at 600 V rated value at 220 V rated value at 3 hp at 230 V rated value at 200 V rated		
 at 220 V rated value at 600 V rated value 0.15 A operational current at DC-13 at 24 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 at 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 480 V rated value at 22 A at 600 V rated value at 100 V rated value at 220 V rated value at 3 hp at 230 V rated value at 200 V rated value		
• at 600 V rated value		
operational current at DC-13 • at 24 V rated value 10 A • at 48 V rated value 2 A • at 60 V rated value 1 A • at 110 V rated value 0.9 A • at 220 V rated value 0.3 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 52 A full-load current (FLA) for 3-phase AC motor 52 A • at 480 V rated value 52 A • at 600 V rated value 52 A yielded mechanical performance [hp] 6 for single-phase AC motor — at 110/120 V rated value 3 hp — at 230 V rated value 10 hp • for 3-phase AC motor 15 hp		
 at 24 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 600 V rated value at 480 V rated value at 600 V rated value at 70 V rated value at 70 V rated value at 70 V rated value at 230 V rated value at 230 V rated value at 200/208 V rated value at 200/208 V rated value at 5 hp 		0.15 A
 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 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 72 A at 600 V rated value at 72 A at 73 A at 74 A at 75 A 	•	
 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 7 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 at 600 V rated value 52 A at 600 V rated value 52 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 3 hp at 230 V rated value 10 hp for 3-phase AC motor at 200/208 V rated value 15 hp 		
 at 110 V rated value at 125 V rated value at 220 V rated value 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 at 600 V rated value 52 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 230 V rated value at 200/208 V rated value 15 hp 	at 48 V rated value	
 at 125 V rated value at 220 V rated value 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 at 600 V rated value 52 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value 15 hp 	at 60 V rated value	2 A
 at 220 V rated value 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 at 600 V rated value 52 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value 15 hp 	• at 110 V rated value	1 A
 at 600 V rated value 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 at 600 V rated value 52 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value 15 hp 	 at 125 V rated value 	0.9 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 • at 600 V rated value 52 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value • at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value 15 hp	 at 220 V rated value 	0.3 A
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value	at 600 V rated value	0.1 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 52 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value 15 hp	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 52 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value 15 hp	UL/CSA ratings	
 at 480 V rated value at 600 V rated value 52 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value 15 hp 		
● at 600 V rated value yielded mechanical performance [hp] ● for single-phase AC motor — at 110/120 V rated value — at 230 V rated value ● for 3-phase AC motor — at 200/208 V rated value 15 hp		52 A
yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 3 hp — at 230 V rated value 10 hp • for 3-phase AC motor — at 200/208 V rated value 15 hp		
 for single-phase AC motor — at 110/120 V rated value 3 hp — at 230 V rated value 10 hp for 3-phase AC motor — at 200/208 V rated value 15 hp 		
 at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value 15 hp 		
 — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value 10 hp 15 hp 		3 hn
 for 3-phase AC motor — at 200/208 V rated value 15 hp 		
— at 200/208 V rated value 15 hp		10 lip
	·	15 hn
at 220/220 V rated value		
— at 220/230 V rated value 15 hp	— at 220/250 V rated value	10 110

	40.1
— at 460/480 V rated value	40 hp
— at 575/600 V rated value	50 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: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA)
 — with type of assignment 2 required 	gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (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	114 mm
width	55 mm
depth	130 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	screw-type terminals
for auxiliary and control circuit	spring-loaded terminals
at contactor for auxiliary contacts	Spring-type terminals
of magnet coil	Spring-type terminals Spring-type terminals
type of connectable conductor cross-sections	Opining type terminals
for main contacts	
solid or stranded	2v (1 35 mm²) 1v (1 50 mm²)
	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²)
 finely stranded with core end processing at AWG cables for main contacts 	2x (1 25 mm²), 1x (1 35 mm²)
connectable conductor cross-section for main	2x (18 2), 1x (18 1)
contacts	4 0- 0
finely stranded with core end processing	1 35 mm²
connectable conductor cross-section for auxiliary contacts	
 solid or stranded 	0.5 2.5 mm²
 finely stranded with core end processing 	0.5 1.5 mm²
finely stranded without core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid or stranded	2x (0.5 2.5 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²)
, ,	

 finely stranded without core end processing 	2x (0.5 2.5 mm²)
at AWG cables for auxiliary contacts	2x (20 14)
 AWG number as coded connectable conductor cross section for main contacts 	18 1
 AWG number as coded connectable conductor cross section for auxiliary contacts 	20 14
Safety related data	
B10 value with high demand rate acc. to SN 31920	1 000 000
proportion of dangerous failures	
 with low demand rate acc. to SN 31920 	40 %
 with high demand rate acc. to SN 31920 	73 %
failure rate [FIT] with low demand rate acc. to SN 31920	100 FIT
product function	
 mirror contact acc. to IEC 60947-4-1 	Yes
 positively driven operation acc. to IEC 60947-5-1 	No
T1 value for proof test interval or service life acc. to IEC 61508	20 y
protection class IP on the front acc. to IEC 60529	IP20
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front
suitability for use safety-related switching OFF	Yes
Certificates/ approvals	







<u>KC</u>





EMC

Declaration of Conformity

General Product Approval

Test Certificates

Marine / Shipping

Miscellaneous



Type Test Certificates/Test Report

Special Test Certificate





Marine / Shipping











Confirmation

other

other

Confirmation

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=3RT2036-3AK60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2036-3AK60

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

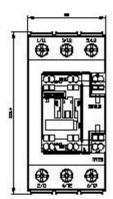
https://support.industry.siemens.com/cs/ww/en/ps/3RT2036-3AK60

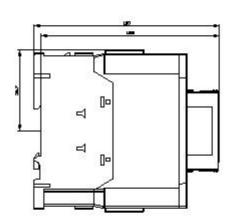
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2036-3AK60&lang=en

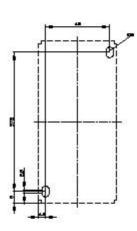
Characteristic: Tripping characteristics, I2t, Let-through current

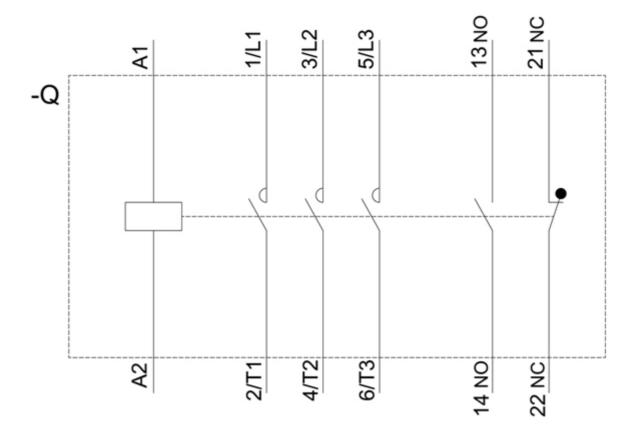
https://support.industry.siemens.com/cs/ww/en/ps/3RT2036-3AK60/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2036-3AK60&objecttype=14&gridview=view1









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