SIEMENS

Data sheet

3RT2026-1AK60



power contactor, AC-3e/AC-3, 25 A, 11 kW / 400 V, 3-pole, 110 V AC, 50 Hz / 120 V, 60 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S0

product brand name	SIRIUS			
product designation	Power contactor			
product type designation	3RT2			
General technical data				
size of contactor	S0			
product extension				
 function module for communication 	No			
auxiliary switch	Yes			
power loss [W] for rated value of the current				
 at AC in hot operating state 	5.7 W			
 at AC in hot operating state per pole 	1.9 W			
 without load current share typical 	2.7 W			
type of calculation of power loss depending on pole	quadratic			
insulation voltage				
 of main circuit with degree of pollution 3 rated value 	690 V			
 of auxiliary circuit with degree of pollution 3 rated value 	690 V			
surge voltage resistance				
of main circuit rated value	6 kV			
 of auxiliary circuit rated value 	6 kV			
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V			
shock resistance at rectangular impulse				
• at AC	8,3g / 5 ms, 5,3g / 10 ms			
shock resistance with sine pulse				
• at AC	13,5g / 5 ms, 8,3g / 10 ms			
mechanical service life (operating cycles)				
 of contactor typical 	10 000 000			
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000			
 of the contactor with added auxiliary switch block typical 	10 000 000			
reference code according to IEC 81346-2	Q			
Substance Prohibitance (Date)	10/01/2009			
Weight	0.419 kg			
Ambient conditions				
installation altitude at height above sea level maximum	2 000 m			
ambient temperature				
during operation	-25 +60 °C			
during storage	-55 +80 °C			
relative humidity minimum	10 %			
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %			

Environmental footprint			
Environmental Product Declaration(EPD)	Yes		
global warming potential [CO2 eq] total	74.2 kg		
global warming potential [CO2 eq] during manufacturing	1.9 kg		
global warming potential [CO2 eq] during operation	72.4 kg		
global warming potential [CO2 eq] after end of life	-0.117 kg		
Main circuit			
number of poles for main current circuit	3		
number of NO contacts for main contacts	3		
operating voltage			
• at AC-3 rated value maximum	690 V		
• at AC-3e rated value maximum	690 V		
operational current			
• at AC-1 at 400 V at ambient temperature 40 °C rated value	40 A		
• at AC-1			
— up to 690 V at ambient temperature 40 °C rated value	40 A		
— up to 690 V at ambient temperature 60 °C rated value	35 A		
• at AC-3	25.4		
— at 400 V rated value	25 A		
— at 500 V rated value	18 A		
 — at 690 V rated value • at AC-3e 	13 A		
• at 400 V rated value	25 A		
— at 500 V rated value	18 A		
— at 690 V rated value	13 A		
 at 650 v rated value at AC-4 at 400 V rated value 	15.5 A		
• at AC-5a up to 690 V rated value	35.2 A		
• at AC-5b up to 400 V rated value	20.7 A		
• at AC-6a			
— up to 230 V for current peak value n=20 rated value	20.2 A		
 up to 400 V for current peak value n=20 rated value 	20.2 A		
— up to 500 V for current peak value n=20 rated value	20.2 A		
— up to 690 V for current peak value n=20 rated value	12.9 A		
● at AC-6a			
— up to 230 V for current peak value n=30 rated value	13.5 A		
— up to 400 V for current peak value n=30 rated value	13.5 A		
 — up to 500 V for current peak value n=30 rated value 	13.5 A		
— up to 690 V for current peak value n=30 rated value	13 A		
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm ²		
operational current for approx. 200000 operating cycles at AC-4			
• at 400 V rated value	9 A		
• at 690 V rated value	9 A		
operational current			
 at 1 current path at DC-1 			
— at 24 V rated value	35 A		
— at 60 V rated value	20 A		
— at 110 V rated value	4.5 A		
— at 220 V rated value	1A		
— 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	25.4		
- at 24 V rated value	35 A		
— at 60 V rated value	35 A		
— at 110 V rated value	35 A		
- at 220 V rated value	5 A		
- at 440 V rated value	1A		
— at 600 V rated value	0.8 A		

 with 3 current paths in series at DC-1 					
	35 A				
	35 A				
	35 A				
	35 A 35 A				
	2.9 A				
	1.4 A				
• at 1 current path at DC-3 at DC-5					
	20 A				
— at 60 V rated value	5 A				
— at 220 V rated value	1A				
— at 440 V rated value	0.09 A				
— at 600 V rated value	0.06 A				
• with 2 current paths in series at DC-3 at DC-5					
— at 24 V rated value	35 A				
— at 60 V rated value	35 A				
— at 110 V rated value	15 A				
— at 220 V rated value	3 A				
— at 440 V rated value	0.27 A				
— at 600 V rated value	0.16 A				
• with 3 current paths in series at DC-3 at DC-5					
— at 24 V rated value	35 A				
— at 60 V rated value	35 A				
— at 110 V rated value	35 A				
— at 220 V rated value	10 A				
— at 440 V rated value	0.6 A				
	0.6 A				
operating power					
• at AC-3					
	5.5 kW				
	11 kW				
	11 kW 11 kW				
• at AC-3e					
	5.5 kW				
	11 kW				
	11 kW				
	11 kW				
operating power for approx. 200000 operating cycles at AC-					
4					
	4.4 kW				
	7.7 kW				
operating apparent power at AC-6a					
	8 kVA				
	13.9 kVA				
· · · · · · · · · · · · · · · · · · ·	17.4 kVA				
· · · · · · · · · · · · · · · · · · ·	15.4 kVA				
operating apparent power at AC-6a	5.3 kVA				
	9.3 kVA				
	11.6 kVA				
• up to 690 V for current peak value n=30 rated value	15.5 kVA				
short-time withstand current in cold operating state up to 40 °C					
	375 A; Use minimum cross-section acc. to AC-1 rated value				
	300 A; Use minimum cross-section acc. to AC-1 rated value				
Imited to 10 s switching at zero current maximum	210 A; Use minimum cross-section acc. to AC-1 rated value				
 limited to 30 s switching at zero current maximum 	144 A; Use minimum cross-section acc. to AC-1 rated value				
 limited to 60 s switching at zero current maximum 	118 A; Use minimum cross-section acc. to AC-1 rated value				
no-load switching frequency					
• at AC	5 000 1/h				

anaroting fraguancy					
operating frequency • at AC-1 maximum	1 000 1/b				
• at AC-2 maximum	1 000 1/h 750 1/h				
	750 1/h				
• at AC-3 maximum					
• at AC-3e maximum	750 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				
• at 60 Hz	0.8 1.1				
apparent pick-up power of magnet coil at AC					
• at 50 Hz	81 VA				
• at 60 Hz	79 VA				
inductive power factor with closing power of the coil					
• at 50 Hz	0.72				
• at 60 Hz	0.74				
apparent holding power of magnet coil at AC					
● at 50 Hz	10.5 VA				
● at 60 Hz	8.5 VA				
inductive power factor with the holding power of the coil					
• at 50 Hz	0.25				
• at 60 Hz	0.28				
closing delay					
• at AC	8 40 ms				
opening delay					
at AC	4 16 ms				
	10 113				
arcing time	10 10 ms				
arcing time	10 10 ms				
arcing time control version of the switch operating mechanism	10 10 ms				
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous	10 10 ms Standard A1 - A2				
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous	10 10 ms Standard A1 - A2 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	10 10 ms Standard A1 - A2 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	10 10 ms Standard A1 - A2 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	10 10 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 10 ms Standard A1 - A2 1 1 10 A 10 A				
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value	10 10 ms Standard A1 - A2 1 1 10 A 10 A 3 A				
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value	10 10 ms Standard A1 - A2 1 1 10 A 10 A 3 A 2 A				
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value	10 10 ms Standard A1 - A2 1 1 10 A 10 A 3 A 2 A				
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value	10 10 ms Standard A1 - A2 1 1 1 10 A 10 A 3 A 2 A 1 A				
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value	10 10 ms Standard A1 - A2 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A				
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value	10 10 ms Standard A1 - A2 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A				
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value	10 10 ms Standard A1 - A2 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A				
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 690 V rated value • at 10 V rated value • at 400 V rated value	10 10 ms Standard A1 - A2 1 1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 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 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 400 V rated value • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value	10 10 ms Standard A1 - A2 1 1 1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A				
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 400 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 400 V rated value • at 24 V rated value • at 24 V rated value • at 10 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value	10 10 ms Standard A1 - A2 1 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A				
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 400 V rated value • at 690 V rated value • at 400 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 10 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	10 10 ms Standard A1 - A2 1 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A				
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 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 24 V rated value • at 24 V rated value • at 24 V rated value • at 20 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 20 V rated value • at 20 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 • at 600 V rated value	10 10 ms Standard A1 - A2 1 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 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 500 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 48 V rated value • at 24 V rated value	10 10 ms Standard A1 - A2 1 1 1 10 A 3A 2A 1A 10 A 3A 2A 1A 10 A 3A 2A 1A 10 A 6A 6A 3A 2A 1A 10 A 2A 10 A 2A 10 A 2A 1A 10 A 2A 10 A 2A				
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 400 V rated value • at 690 V rated value • at 400 V rated value • at 230 V rated value • at 24 V rated value • at 48 V rated value • at 100 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 48 V rated value <td>10 10 ms Standard A1 - A2 1 1 1 10 A 10 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 10 A 2 A 1 A 10 A 10 A 2 A 1 A 10 A 10 A 2 A 1 A 10 A 1</td>	10 10 ms Standard A1 - A2 1 1 1 10 A 10 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 10 A 2 A 1 A 10 A 10 A 2 A 1 A 10 A 10 A 2 A 1 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 • at 400 V rated value • at 24 V rated value • at 10 V rated value • at 110 V rated value • at 220 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 600 V rated value • at 600 V rated value • at 48 V rated value • at 60 V rated value • at 40 V rated value • at 60 V rated value • at 60 V rated value </td <td>10 10 ms Standard A1 - A2 1 1 1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 1</td>	10 10 ms Standard A1 - A2 1 1 1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 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 • at 690 V rated value • at 40 V rated value • at 400 V rated value • at 24 V rated value • at 24 V rated value • at 10 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 48 V rated value	10 10 ms Standard A1 - A2 1 1 1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 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 690 V rated value • at 690 V rated value • at 400 V rated value • at 690 V rated value • at 220 V rated value • at 110 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 48 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 48 V rated value • at 48 V rated value • at 24 V rated value • at 220 V rated value • at 220 V rated value • at 210 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated va	10 10 ms Standard A1 - A2 1 1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A				
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 40 V rated value • at 400 V rated value • at 24 V rated value • at 24 V rated value • at 10 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 48 V rated value	10 10 ms Standard A1 - A2 1 1 1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 1				

UL/CSA ratings					
full-load current (FLA) for 3-phase AC motor					
at 480 V rated value	21 A				
at 600 V rated value	22 A				
yielded mechanical performance [hp]	22 A				
• for single-phase AC motor					
— at 110/120 V rated value	2 hp				
— at 230 V rated value	3 hp				
for 3-phase AC motor					
— at 200/208 V rated value	5 hn				
— at 220/230 V rated value	5 hp 7.5 hp				
— at 460/480 V rated value					
— at 575/600 V rated value	15 hp 20 hp				
contact rating of auxiliary contacts according to UL	A600 / P600				
Short-circuit protection	A00071000				
design of the miniature circuit breaker for short-circuit protection	C characteristic: 10 A: 0.4 kA				
of the auxiliary circuit up to 230 V	C characteristic: 10 A; 0.4 kA				
design of the fuse link					
 for short-circuit protection of the main circuit 					
 — with type of coordination 1 required 	gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 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 side-by-side mounting	Yes				
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715				
height	85 mm				
width	45 mm				
depth	97 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	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					
— solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)				
— solid or stranded	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 10 mm²)				
 — finely stranded with core end processing 	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²				
for AWG cables for main contacts	2x (1 2.5 mm ⁻), 2x (2.5 6 mm ⁻), 1x 10 mm ⁻ 2x (16 12), 2x (14 8)				
connectable conductor cross-section for main contacts					
solid	1 10 mm²				
stranded	1 10 mm ²				

 finely stranded 	with core end processing		1 1	0 mm²		
	tor cross-section for auxi	liary contacts				
 solid or strande 			0.5	0.5 2.5 mm²		
 finely stranded with core end processing 			0.5 2.5 mm ²			
	conductor cross-sections					
 for auxiliary con 						
— solid or str			2x (0.	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
	 — finely stranded with core end processing 			2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)		
	s for auxiliary contacts) 16), 2x (18 14)	,	
	led connectable conducto	r cross				
 for main contact 	ts		16 8			
 for auxiliary con 	ntacts		20	20 14		
Safety related data						
product function						
 mirror contact a 	according to IEC 60947-4-1		Yes			
 positively driver 	n operation according to IEC	60947-5-1	No			
 suitable for safe 			Yes			
	ty-related switching OFF		Yes			
service life maximun			20 a			
test wear-related ser	vice life necessary		Yes			
proportion of danger						
	d rate according to SN 319	20	40 %			
 with high demai 	nd rate according to SN 319	920	73 %			
B10 value with high	demand rate according to	SN 31920	1 000 000			
failure rate [FIT] with	low demand rate accordi	ng to SN	100 F	IT		
31920		-				
ISO 13849			_			
device type accordin	ng to ISO 13849-1		3			
overdimensioning ac	ccording to ISO 13849-2 n	ecessary	Yes			
IEC 61508	IEC 61508					
safety device type ac	ccording to IEC 61508-2		Туре А			
Electrical Safety						
protection class IP o	protection class IP on the front according to IEC 60529		IP20			
touch protection on	the front according to IEC	60529	finger-safe, for vertical contact from the front			
Approvals Certificates	;					
General Product App	proval					
CCC	CE EG-Konf.	UK CA			KC	EAC
EMV	Test Certificates			Marine / Shipping		
RCM	Type Test Certific- ates/Test Report	<u>Special Test Ce</u> <u>ate</u>	<u>ertific-</u>	ABS	BUREAU VERITAS	
Marine / Shipping				other		
Lloyd's Register uts	RINA			<u>Miscellaneous</u>	<u>Confirmation</u>	Confirmation
Railway	Environment					



Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2026-1AK60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-1AK60

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AK60

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

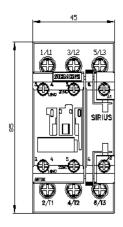
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2026-1AK60&lang=en

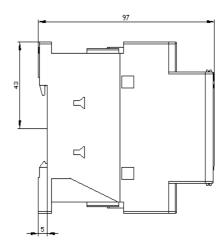
Characteristic: Tripping characteristics, I²t, Let-through current

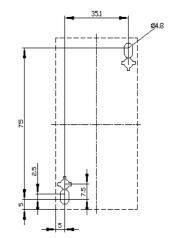
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AK60/char

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

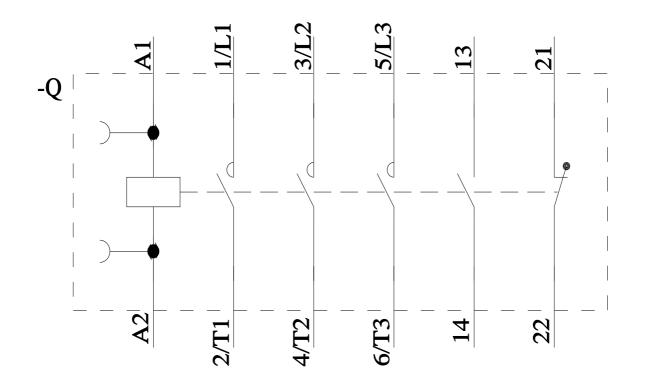
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-1AK60&objecttype=14&gridview=view1











last modified:

4/17/2025 🖸

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

3RT20261AK60