# **SIEMENS**

Data sheet 3RT1034-1AK60



Power contactor, AC-3 32 A, 15 kW / 400 V 110 V AC, 50 Hz / 120 V, 60 Hz, 3-pole, Size S2, Screw terminal !!! Phased-out product !!! Successor is SIRIUS 3RT2 Preferred successor type is >>3RT2027-1AK60<<

product brand name	SIRIUS		
Product designation	power contactor		
General technical data			
Size of contactor	S2		
Insulation voltage rated value	690 V		
Degree of pollution	3		
Surge voltage resistance rated value	6 kV		
maximum permissible voltage for safe isolation			
• between coil and main contacts acc. to EN	400 V		
60947-1			
<ul> <li>protection class IP on the front</li> </ul>	IP20		
<ul> <li>Protection class IP of the terminal</li> </ul>	IP00		
Shock resistance at rectangular impulse			
• at AC	10g / 5 ms, 5g / 10 ms		
Shock resistance with sine pulse			
• at AC	15g / 5 ms, 8g / 10 ms		
Mechanical service life (switching cycles)			
of contactor typical	10 000 000		

<ul> <li>of the contactor with added electronics- compatible auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
Reference code acc. to DIN EN 81346-2	Q

5.55h t) p.156h	
Reference code acc. to DIN EN 81346-2	Q
Ambient conditions	
Installation altitude at height above sea level	
• maximum	2 000 m
Ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
during storage	-55 +80 °C
Main circuit	
Number of poles for main current circuit	3
Number of NO contacts for main contacts	3
Number of NC contacts for main contacts	0
Operating current	
● at AC-1 at 400 V	
— at ambient temperature 40 °C rated value	50 A
● at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	50 A
— up to 690 V at ambient temperature 60 °C rated value	45 A
• at AC-3	
— at 400 V rated value	32 A
— at 690 V rated value	20 A
● at AC-4 at 400 V rated value	29 A
Connectable conductor cross-section in main circuit at AC-1	
• at 60 °C minimum permissible	10 mm²
• at 40 °C minimum permissible	16 mm²
Operating current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	15.6 A
• at 690 V rated value	11 A
Operating current	
• at 1 current path at DC-1	
— at 24 V rated value	45 A
— at 110 V rated value	4.5 A
<ul><li>with 2 current paths in series at DC-1</li></ul>	
— at 24 V rated value	45 A
— at 110 V rated value	25 A

<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	45 A
— at 110 V rated value	45 A
Operating 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
• with 2 current paths in series at DC-3 at DC-5	
— at 24 V rated value	45 A
— at 110 V rated value	25 A
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	45 A
— at 110 V rated value	45 A
Operating power	
• at AC-1	
— at 230 V at 60 °C rated value	18 kW
— at 400 V rated value	31 kW
— at 690 V rated value	54 kW
— at 690 V at 60 °C rated value	54 kW
• at AC-2 at 400 V rated value	15 kW
• at AC-3	
— at 230 V rated value	7.5 kW
— at 400 V rated value	15 kW
— at 500 V rated value	18.5 kW
— at 690 V rated value	18.5 kW
Operating power for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	8.2 kW
• at 690 V rated value	10 kW
Thermal short-time current limited to 10 s	320 A
No-load switching frequency	
• at AC	5 000 1/h
Operating frequency	
● at AC-1 maximum	1 200 1/h
• at AC-2 maximum	750 1/h
• at AC-3 maximum	1 000 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 80 Hz rated value  control supply voltage frequency  • 1 rated value • 2 rated value • 2 rated value • 2 rated value  Operating range factor control supply voltage rated value of magnet coil at AC  • at 50 Hz • at 60 Hz  Apparent pick-up power of magnet coil at AC  Inductive power factor with dosing power of the coil  Closing delay • at AC  Arcing time  11 30 ms  Opening delay • at AC  Arcing time  Auxiliary circuit  Number of NC contacts for auxiliary contacts • instantaneous contact  Operating current at AC-12 maximum  Operating current at AC-12 maximum  Operating current at AC-15 • at 230 V rated value • at 400 V rated value • at 100 V rated value • at 100 V rated value • at 100 V rated value • at 60 V rated value • at 60 V rated value • at 100 V rated value • at 220 V rated value • at 100 V rated value • at 100 V rated value • at 220 V rated value • at 100 V rated value • at 220 V rated value				
• 1 rated value • 2 rated value Operating range factor control supply voltage rated value of magnet coll at AC • at 50 Hz • at 60 Hz Operating power of magnet coll at AC Inductive power factor with closing power of the coll Apparent holding power of magnet coll at AC Inductive power factor with the holding power of the coll Closing delay • at AC Arong time 11 30 ms Operating delay • at AC Arong time 10 15 ms  Auxiliary circuit  Number of NC contacts for auxiliary contacts • instantaneous contact Operating current at AC-15 • at 230 V rated value • at 400 V rated value • at 400 V rated value • at 220 V rate	● at 60 Hz rated value	120 V		
	control supply voltage frequency			
Operating range factor control supply voltage rated value of magnet coil at AC  • at 50 Hz  Apparent pick-up power of magnet coil at AC  Inductive power factor with closing power of the coil  Apparent holding power of magnet coil at AC  Inductive power factor with the holding power of the coil  Apparent holding power of magnet coil at AC  Inductive power factor with the holding power of the coil  Closing delay  • at AC  Arcing time  10 15 ms  Auxiliary circuit  Number of NC contacts for auxiliary contacts  • instantaneous contact  Operating current at AC-12 maximum  Operating current at AC-12 maximum  Operating current at AC-12 maximum  Operating current at DC-12  • at 60 V rated value • at 20 V rated value • at 22 V rated value • at 10 V rated value • at 22 V rated value • at 10 V rated value • at 22 V rated value • at	● 1 rated value	50 Hz		
value of magnet coil at AC         0.8 1.1           • at 50 Hz         0.8 1.1           • at 60 Hz         0.8 1.1           Apparent pick-up power of magnet coil at AC         120 V-A           Inductive power factor with closing power of the coil         0.7           Apparent holding power of magnet coil at AC         10.1 V-A           Inductive power factor with the holding power of the coil         0.42           Closing delay         • at AC         11 30 ms           • at AC         7 20 ms           Arcing time         10 15 ms           Auxiliary circuit         Number of NC contacts for auxiliary contacts           • instantaneous contact         0           Number of NC contacts for auxiliary contacts         • instantaneous contact           • perating current at AC-12 maximum         0           Operating current at AC-15         0           • at 230 V rated value         6 A           • at 400 V rated value         3 A           • at 100 V rated value         1 A           • at 220 V rated value         1 A           • at 24 V rated value         1 A           • at 30 V rated value         1 A           • at 320 V rated value         1 A           • at 110 V rated value         <	● 2 rated value	60 Hz		
at 50 Hz at 60 Hz  Apparent plok-up power of magnet coil at AC Inductive power factor with closing power of the coil Apparent holding power of magnet coil at AC Inductive power factor with the holding power of the coil Apparent holding power of magnet coil at AC Inductive power factor with the holding power of the coil Closing delay at AC 11 30 ms  Opening delay at AC 7 20 ms  Arcing time 10 15 ms  Auxiliary circuit  Number of NC contacts for auxiliary contacts instantaneous contact 0 Number of NC contacts for auxiliary contacts instantaneous contact 0 Operating current at AC-12 maximum 10 A  Operating current at AC-12 maximum 10 A  Operating current at DC-12 at 60 V rated value at 400 V rated value at 220 V rated value 110 V rated value 1110 V rated value 11110 V rated value 111110 V rated value 111110 V rated value 1111110 V rated value 111111111111111111111111111111111111				
at 60 Hz Apparent pick-up power of magnet coil at AC Inductive power factor with dosing power of the coil Apparent holding power of magnet coil at AC Inductive power factor with the holding power of the coil Closing delay at AC Inductive power factor with the holding power of the coil Closing delay at AC Inductive power factor with the holding power of the coil Closing delay at AC Inductive power factor with the holding power of the coil Closing delay at AC Inductive power factor with the holding power of the coil Closing delay at AC Inductive power factor with the holding power of the coil Closing delay at AC Inductive power factor with the holding power of the coil Closing delay at AC Inductive power factor with the holding power of the coil Closing delay at AC Inductive power factor with delay at AC Inductive power factor with delay Inductive power factor Inductive power power of the coil Inductive power factor Inductive power po	value of magnet coil at AC			
Apparent pick-up power of magnet coil at AC Inductive power factor with closing power of the coil Apparent holding power of magnet coil at AC Inductive power factor with the holding power of the coil Closing delay • at AC Opening delay • at AC Arcing time 10 15 ms  Auxiliary circuit Number of NC contacts for auxiliary contacts • instantaneous contact Number of NC contacts for auxiliary contacts • instantaneous contact  Number of NC contacts for auxiliary contacts • instantaneous contact  Operating current at AC-12 maximum 10 A Operating current at AC-15 • at 230 V rated value • at 400 V rated value • at 400 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 50 Hz			
Inductive power factor with closing power of the coil Apparent holding power of magnet coil at AC Inductive power factor with the holding power of the coil Closing delay • at AC Inductive power factor with the holding power of the coil Closing delay • at AC Inductive power factor with the holding power of the coil Closing delay • at AC Inductive power factor with the holding power of the coil Closing delay • at AC Inductive power factor with the holding power of the coil Closing delay • at AC Inductive power factor with the holding power of the coil Inductive power factor with the holding power of the coil Inductive power factor with the holding power of the coil Inductive power factor with the holding power of the coil Inductive power factor with the holding power of the coil Inductive power factor with the holding power of the coil Inductive power factor with the holding power of the coil Inductive power factor with the holding power of the coil Inductive power factor with the holding power of the coil Inductive power factor with the holding power of the coil Inductive power factor with the holding power of the coil Inductive power factor with the holding power of the coil Inductive power factor with the holding power of the coil Inductive power factor with the holding power of the coil Inductive power factor with the holding power of the coil Inductive power factor with the coil Inductive power of the coil Inductive power factor with the coil Inductive power of the coil Inductive power factor with the coil Inductive power of the coil Inductive power factor with the coil Inductive power of the coil Inductive power factor with the coil Inductive power of the coil Inductive power o				
Apparent holding power of magnet coil at AC Inductive power factor with the holding power of the coil Closing delay				
Inductive power factor with the holding power of the coll  Closing delay  • at AC  Opening delay  • at AC  Arcing time  10 15 ms   Auxiliary circuit  Number of NC contacts for auxiliary contacts  • instantaneous contact  Number of NC contacts for auxiliary contacts  • instantaneous contact  Operating current at AC-12 maximum  Operating current at AC-15  • at 230 V rated value  • at 400 V rated value  • at 110 V rated value  • at 220 V rated value  • at 220 V rated value  • at 60 V rated value  • at 220 V rated value  • at 22				
coil Closing delay • at AC Opening delay • at AC 7 20 ms Arcing time 10 15 ms  Auxiliary circuit Number of NC contacts for auxiliary contacts • instantaneous contact 0 Number of NO contacts for auxiliary contacts • instantaneous contact 0 Operating current at AC-12 maximum 10 A Operating current at AC-15 • at 230 V rated value • at 400 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 250 V rated value • at 270 V rated value • at 280 V rated value • at 290				
• at AC  Opening delay • at AC  Arcing time  10 15 ms  Auxiliary circuit  Number of NC contacts for auxiliary contacts • instantaneous contact  Operating current at AC-12 maximum  Operating current at AC-15 • at 230 V rated value • at 400 V rated value • at 110 V rated value • at 220 V rated value • at 24 V rated value • at 60 V rated value • at 60 V rated value • at 60 V rated value • at 220 V rated value • at 30 V rated value • at 220 V rated value		0.42		
Opening delay  • at AC  Arcing time  10 15 ms  Auxiliary circuit  Number of NC contacts for auxiliary contacts  • instantaneous contact  Operating current at AC-12 maximum  Operating current at AC-15  • at 230 V rated value • at 400 V rated value • at 110 V rated value • at 220 V rated value • at 30 V rated value • at 24 V rated value • at 25 V rated value • at 27 V rated value • at 30 V rated value	Closing delay			
at AC  Arcing time  10 15 ms  Auxiliary circuit  Number of NC contacts for auxiliary contacts  instantaneous contact  o  Operating current at AC-12 maximum  Operating current at AC-15  at 230 V rated value  at 400 V rated value  at 110 V rated value  at 220 V rated value  at 220 V rated value  at 24 V rated value  at 24 V rated value  at 60 V rated value  at 24 V rated value  at 20 V rated value  at 20 V rated value  at 20 V rated value  at 220 V rated value  at 24 V rated value  at 20 V rated value  at 220 V rated va	• at AC	11 30 ms		
Auxiliary circuit  Number of NC contacts for auxiliary contacts  • instantaneous contact  • operating current at AC-12 maximum  Operating current at AC-15  • at 230 V rated value • at 400 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 20 V rated value • at 3 A  Contact reliability of auxiliary contacts  UL/CSA ratings  Contact rating of auxiliary contacts according to UL  A600 / Q600	Opening delay			
Auxiliary circuit  Number of NC contacts for auxiliary contacts  • instantaneous contact  • instantaneous contact  • one of NO contacts for auxiliary contacts  • instantaneous contact  Operating current at AC-12 maximum  10 A  Operating current at AC-15  • at 230 V rated value  • at 400 V rated value  • at 60 V rated value  • at 110 V rated value  • at 120 V rated value  • at 220 V rated value  • at 24 V rated value  • at 60 V rated value  • at 60 V rated value  • at 20 V rated value  • at 60 V rated value  • at 60 V rated value  • at 20 V rated value  • at 20 V rated value  • at 20 V rated value  • at 60 V rated value  • at 110 V rated value  • at 200 V rated value  • at 110 V rated value  • at 200 V rated value  • at	• at AC	7 20 ms		
Number of NC contacts for auxiliary contacts  instantaneous contact  O Number of NO contacts for auxiliary contacts  instantaneous contact  Operating current at AC-12 maximum  Operating current at AC-15  in at 230 V rated value  in at 400 V rated value  in at 60 V rated value  in at 110 V rated value  in at 220 V rated value  in at 220 V rated value  in at 24 V rated value  in at 24 V rated value  in at 60 V rated value  in at 60 V rated value  in at 24 V rated value  in at 20 V ra	Arcing time	10 15 ms		
instantaneous contact  Number of NO contacts for auxiliary contacts  instantaneous contact  Operating current at AC-12 maximum  Operating current at AC-15  in at 230 V rated value  in at 400 V rated value  in at 60 V rated value  in at 110 V rated value  in at 220 V rated value  in at 220 V rated value  in at 24 V rated value  in at 24 V rated value  in at 30 V rated value  in at 20 V r	Auxiliary circuit			
Number of NO contacts for auxiliary contacts  • instantaneous contact  Operating current at AC-12 maximum  10 A  Operating current at AC-15  • at 230 V rated value  • at 400 V rated value  3 A  Operating current at DC-12  • at 60 V rated value  • at 110 V rated value  1 A  Operating current at DC-13  • at 220 V rated value  1 A  Operating current at DC-13  • at 24 V rated value  • at 60 V rated value  1 A  Operating current at DC-13  • at 24 V rated value  1 A  Operating current at DC-13  • at 20 V rated value  1 A  • at 20 V rated value  1 A  • at 110 V rated value  1 A  • at 20 V rated value  1 A  • at 210 V rated value  1 A  • at 220 V rated value  1 A  • at 24 V rated value  1 A  • at 26 V rated value  1 A  • at 26 V rated value  1 A  • at 26 V rated value  1 A  • at 27 V rated value  1 A  • at 28 V rated value  1 A  • at 29 V rated value  1 A  • at 20 V rated value  1 A  • at	Number of NC contacts for auxiliary contacts			
instantaneous contact  Operating current at AC-12 maximum  10 A  Operating current at AC-15  in at 230 V rated value  in at 400 V rated value  in at 60 V rated value  in at 110 V rated value  in at 220 V rated value  in at 220 V rated value  in at 60 V rated value  in at 60 V rated value  in at 60 V rated value  in at 24 V rated value  in at 60 V rated value  in at 20 V rated value  in at 20 V rated value  in at 20 V rated value  in at 60 V rated value  in at 60 V rated value  in at 110 V rated value  in at 20 V rated value  in at 110 V rated value  in at 220 V ra	• instantaneous contact	0		
Operating current at AC-12 maximum  Operating current at AC-15  • at 230 V rated value  • at 400 V rated value  • at 60 V rated value  • at 110 V rated value  • at 220 V rated value  • at 220 V rated value  • at 60 V rated value  • at 220 V rated value  • at 24 V rated value  • at 60 V rated value  • at 24 V rated value  • at 24 V rated value  • at 20 V rated value  • at 60 V rated value  • at 110 V rated value  • at 220 V rated value  • At 200 V rated value  •	Number of NO contacts for auxiliary contacts			
Operating current at AC-15  • at 230 V rated value • at 400 V rated value 3 A  Operating current at DC-12  • at 60 V rated value 6 A • at 110 V rated value 1 A  Operating current at DC-13 • at 220 V rated value 1 A  Operating current at DC-13 • at 24 V rated value 2 A • at 110 V rated value 1 A  Operating current at DC-13 • at 22 V rated value 1 A  Operating current at DC-13 • at 24 V rated value 1 A • at 20 V rated value 1 A • at 110 V rated value 1 A • at 220 V rated value 1 A • at 220 V rated value 1 A • at 220 V rated value 0.3 A  Contact reliability of auxiliary contacts  Contact rating of auxiliary contacts according to UL  A600 / Q600  Short-circuit protection	• instantaneous contact	0		
at 230 V rated value  at 400 V rated value  3 A  Operating current at DC-12  at 60 V rated value  6 A  at 110 V rated value  3 A  at 220 V rated value  1 A  Operating current at DC-13  at 24 V rated value  10 A  at 60 V rated value  10 A  at 60 V rated value  1 A  out 220 V rated value  1 A  at 22 V rated value  1 A  at 22 V rated value  1 A  at 22 V rated value  1 A  at 220 V rated value  2 A  at 110 V rated value  1 A  at 220 V rated value  2 A  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  Contact rating of auxiliary contacts according to UL  A600 / Q600	Operating current at AC-12 maximum	10 A		
at 400 V rated value  Operating current at DC-12  at 60 V rated value  at 110 V rated value  at 220 V rated value  1 A  Operating current at DC-13  at 24 V rated value  10 A  at 60 V rated value  10 A  at 60 V rated value  1 A  out 110 V rated value  1 A  at 220 V rated value  2 A  at 110 V rated value  1 A  at 220 V rated value  2 A  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  Contact rating of auxiliary contacts according to UL  A600 / Q600	Operating current at AC-15			
Operating current at DC-12  • at 60 V rated value	• at 230 V rated value	6 A		
at 60 V rated value at 110 V rated value 3 A  at 220 V rated value 1 A  Operating current at DC-13  at 24 V rated value 10 A  at 60 V rated value 2 A  at 110 V rated value 1 A  at 220 V rated value 5 A  at 220 V rated value 1 A  at 220 V rated value 1 A  contact reliability of auxiliary contacts  I faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  Contact rating of auxiliary contacts according to UL  A600 / Q600		3 A		
at 110 V rated value  at 220 V rated value  1 A  Operating current at DC-13  at 24 V rated value  10 A  at 60 V rated value  at 110 V rated value  1 A  at 220 V rated value  1 A  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  Contact rating of auxiliary contacts according to UL  A600 / Q600	Operating current at DC-12			
at 220 V rated value  Operating current at DC-13      at 24 V rated value     at 60 V rated value     at 110 V rated value     at 220 V rated value  Contact reliability of auxiliary contacts  I faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  Contact rating of auxiliary contacts according to UL  A600 / Q600  Short-circuit protection	• at 60 V rated value	6 A		
Operating current at DC-13  • at 24 V rated value	• at 110 V rated value			
<ul> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> </ul> UL/CSA ratings Contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection		1 A		
<ul> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>Contact rating of auxiliary contacts according to UL</li> <li>A600 / Q600</li> <li>Short-circuit protection</li> </ul>	Operating current at DC-13			
at 110 V rated value  at 220 V rated value  contact reliability of auxiliary contacts  1 A  1 A  0.3 A  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  Contact rating of auxiliary contacts according to UL  A600 / Q600  Short-circuit protection	• at 24 V rated value			
at 220 V rated value     contact reliability of auxiliary contacts     1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  Contact rating of auxiliary contacts according to UL  A600 / Q600  Short-circuit protection	• at 60 V rated value	2 A		
contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  Contact rating of auxiliary contacts according to UL  A600 / Q600  Short-circuit protection	• at 110 V rated value			
UL/CSA ratings  Contact rating of auxiliary contacts according to UL  A600 / Q600  Short-circuit protection	• at 220 V rated value	0.3 A		
Contact rating of auxiliary contacts according to UL  A600 / Q600  Short-circuit protection	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)		
Short-circuit protection	UL/CSA ratings			
· · · · · · · · · · · · · · · · · · ·	Contact rating of auxiliary contacts according to UL	A600 / Q600		
<u>_</u>	Short-circuit protection			
Design of the ruse lifts	Design of the fuse link			

• for short-circuit protection of the main circuit

— with type of coordination 1 required

— with type of assignment 2 required

• for short-circuit protection of the auxiliary switch required

fuse gL/gG: 125 A fuse gL/gG: 63 A fuse gL/gG: 10 A

Installation/ mounting/ dimensions			
Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022		
Side-by-side mounting	Yes		
Height	112 mm		
Width	55 mm		
Depth	115 mm		
Required spacing			
• for grounded parts			
— at the side	6 mm		

Connections/ Terminals			
<ul> <li>Type of electrical connection for main current circuit</li> </ul>	screw-type terminals		
<ul> <li>Type of electrical connection for auxiliary and control current circuit</li> </ul>	screw-type terminals		
Type of connectable conductor cross-sections			
• for main contacts			
— solid	2x (0.75 16 mm²)		
— stranded	2x (0.75 25 mm²)		
— single or multi-stranded	2x (0,75 16 mm²)		
— finely stranded with core end processing	2x (0.75 16 mm²)		
<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.75 16 mm²)		
<ul> <li>at AWG conductors for main contacts</li> </ul>	2x (18 2)		
Type of connectable conductor cross-sections			
• for auxiliary contacts			
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)		
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
<ul> <li>at AWG conductors for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14), 1x 12		

# Certificates/ approvals

## **General Product Approval**

**EMC** 

**Functional** Safety/Safety of Machinery











Type Examination Certificate

Declaration of	Conformity	Test Certificates		Marine / Ship- ping	
<b>C</b> E	Miscellaneous	Type Test Certificates/Test Report	Special Test Certificate	Miscellaneous	ABS

# Marine / Shipping

other









Confirmation

Miscellaneous

## Railway

Special Test Certificate

## 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=3RT1034-1AK60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1034-1AK60

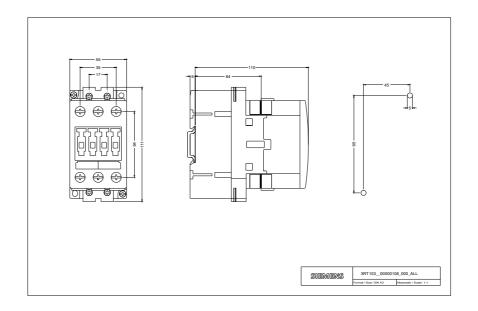
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

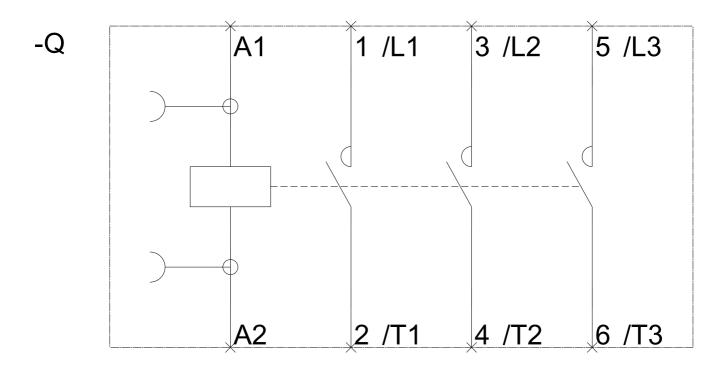
https://support.industry.siemens.com/cs/ww/en/ps/3RT1034-1AK60

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)  $\underline{\text{http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1034-1AK60\&lang=en.pdf} \\ \underline{\text{http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1034-1AK60\&lang=en.pdf} \\ \underline{\text{http://www.automation.siemens.com/bilddb/cax\_de.aspx} \\ \underline{\text{http://www.automation.siemens.com/bilddb/cax\_de.aspx$ 

Characteristic: Tripping characteristics, I2t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT1034-1AK60/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1034-1AK60&objecttype=14&gridview=view1





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