# **SIEMENS**

Data sheet 3RT1035-1AK60



Power contactor, AC-3 40 A, 18.5 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 >>3RT2028-1AK60<<

product brand name	SIRIUS
Product designation	power contactor
General technical data	
Size of contactor	S2
<ul> <li>Insulation voltage rated value</li> </ul>	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)	
<ul> <li>of contactor typical</li> </ul>	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

block typical	
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	60 A
● at AC-1	
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	60 A
— up to 690 V at ambient temperature 60 °C rated value	55 A
• at AC-3	
— at 400 V rated value	40 A
— at 690 V rated value	24 A
• at AC-4 at 400 V rated value	35 A
Connectable conductor cross-section in main circuit	
at AC-1	
• at 60 °C minimum permissible	16 mm²
• at 40 °C minimum permissible	16 mm²
Operating current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	18.5 A
• at 690 V rated value	12.6 A
Operating current	
• at 1 current path at DC-1	
— at 24 V rated value	55 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	55 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	55 A
— at 110 V rated value	55 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	55 A
— at 110 V rated value	25 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
Operating power	
• at AC-1	
— at 230 V at 60 °C rated value	22 kW
— at 400 V rated value	38 kW
— at 690 V rated value	66 kW
— at 690 V at 60 °C rated value	66 kW
• at AC-2 at 400 V rated value	18.5 kW
• at AC-3	
— at 230 V rated value	11 kW
— at 400 V rated value	18.5 kW
— at 500 V rated value	22 kW
— at 690 V rated value	22 kW
Operating power for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	9.5 kW
● at 690 V rated value	11.4 kW
Thermal short-time current limited to 10 s	400 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	600 1/h
• at AC-3 maximum	1 000 1/h
• at AC-4 maximum	300 1/h
Control circuit/ Control	
Type of voltage of the control supply voltage	AC
Control supply voltage at AC	
• at 50 Hz rated value	110 V

• 1 rated value • 2 rated value Operating range factor control supply voltage rated value of magnet coil at AC  • at 50 Hz • at 60 Hz  Operating prome factor with closing power of the coil Apparent holding 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  Arcing time  10 24 ms  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 100 V rated value • at 220 V rated value • at 220 V rated value • at 60 V rated value • at 10 V rated value • at 10 V rated value • at 60 V rated value • at 20 V rated value • at 10 V rated value • at 60 V rated value • at 10 V rated value • at 20 V rated value • at 60 V rated value • at 10 V rated value • at 60 V rated value • at 220 V rated value • at 10 V rated value • at 20 V rated value • at 10 V rated value • at 10 V rated value • at 20 V rated value • at 20 V rated value • at 10 V rated value • at 20 V rated	• at 60 Hz rated value	120 V	
	control supply voltage frequency		
Operating range factor control supply voltage rated value of magnet coll at AC  • at 50 Hz  Apparent pick-up 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 Apparent holding power of magnet coll at AC Inductive power factor with the holding power of the coll Closing delay  • at AC  4 at AC  4 at AC  5 at AC  5 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-12 maximum  Operating current at AC-12  • at 60 V rated value • at 110 V rated value • at 120 V rated value • at 22 V rated value • at 60 V rated value • at 60 V rated value • at 10 V rated value • at 10 V rated value • at 10 V rated value • at 22 V rated value • at 110 V rated value • at 22 V rated value • at 10 V rated value • at 110 V rated value • at 22 V rated value • at 22 V rated value • at 110 V rated value • at 120 V rated value • at 110 V rated value • at 120 V rated value • at 110 V rated value • at 120 V rated value • at 110 V rated value • at 120 V rated value • at 110 V rated value • at 110 V rated value • at 120 V rated value • at 20 V rated value	● 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         166 V-A           Inductive power factor with closing power of the coil         0.71           Apparent holding power of magnet coil at AC         12.6 V-A           Inductive power factor with the holding power of the coil         0.37           Closing delay         10 24 ms           • at AC         10 24 ms           Opening delay         10 25 ms           • at AC         7 20 ms           Arcing time         10 15 ms           Auxiliary circuit         Number of NC contacts for auxillary contacts           • instantaneous contact         0           Unumber of NO contacts for auxillary contacts         0           • instantaneous contact         0           Operating current at AC-12 maximum         10 A           Operating current at AC-15         6 A           • at 230 V rated value         3 A           • at 60 V rated value         1 A           • at 220 V rated value         1 A           • at 220 V rated value         1 A           • at 220 V rated value         2 A           • at	● 2 rated value	60 Hz	
at 50 Hz at 60 Hz at 60 Hz  Apparent pick-up power of magnet coll at AC Inductive power factor with closing power of the coil Apparent holding power of magnet coll 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 10 24 ms  Opening delay at AC 7 20 ms  Aroing 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-12 maximum 4 to AC-12 maximum 5 at 20 V rated value 5 at 400 V rated value 6 A 5 at 110 V rated value 7 at 20 V rated value 1 A 6 A 10 A  Operating current at DC-12 1 at 60 V rated value 1 A 0 A  Operating current at DC-13 1 at 24 V rated value 1 A 0 A 10 A  Operating current at DC-13 1 at 24 V rated value 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A			
• at 60 Hz	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 Operating current at AC-15 • at 230 V rated value • at 400 V rated value • at 100 V rated value • at 220 V rated value • at 400 V rated value • at 400 V rated value • at 220 V rated value • at 2	● 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 10 24 ms Opening delay • at AC 7 20 ms Arcing time 10 15 ms  Auxiliary circuit Number of NC contacts for auxiliary contacts • instantaneous contact  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 • at 200 V rated value • at 220 V rated value • at 24 V rated value • at 30 V rated value • at 60 V rated value • at 60 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value • at 30 V rated value • at 30 V rated value • at 20 V rated value • at 30 V rated value • at			
Apparent holding power of magnet coll at AC Inductive power factor with the holding power of the coll Closing delay • at AC Opening delay • at AC T 20 ms Arcing time 10 15 ms  Auxiliarry circuit Number of NC contacts for auxiliary contacts • instantaneous contact Number of NO 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 220 V rated value • at 60			
Inductive power factor with the holding power of the coll  Closing delay  • at AC  Opening delay  • at AC  Arcing time  10 24 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 10 V rated value  • at 220 V rated value  • at 60 V rated value  • at 220 V rated value  • at 220 V rated value  • at 220 V rated value  • at 60 V rated value  • at 220 V rated value  • at 60 V r			
coil Closing delay			
• at AC  Opening delay • at AC  Arcing time  10 20 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 20 V rated value • at 20 V rated value • at 22 V rated value • at 30 V rated value • at 22 V rated value • at 30 V rated value • at 22 V rated value • at 22 V rated value • at 22 V rated value • at 30 V rated value • at	-	0.37	
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 220 V rated value • at 30 V rated value • at 30 V rated value • at 40 V rated value • at 60 V rated value • at 24 V rated value • at 27 V rated value • at 28 V rated value • at 30 V rated valu	Closing delay		
at AC  Arcing time  10 15 ms  Auxiliary circuit  Number of NC contacts for auxiliary contacts  instantaneous contact  onergian 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 30 V rated value  at 400 V rated value  at 24 V rated value  at 110 V rated value  at 20	● at AC	10 24 ms	
Auxiliary circuit  Number of NC contacts for auxiliary contacts  • instantaneous contact  • o  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 60 V rated value • at 24 V rated value • at 60 V rated value • at 20 V rated value • at 3 A  Operating current at DC-13 • at 60 V rated value • at 20 V rated value • at 110 V rated value • at 20 V rated value • at 20 V rated value • at 110 V rated value • at 110 V rated value • at 210 V rated value • at 3 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  Short-circuit protection	Opening delay		
Auxiliary circuit  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 60 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 60 V rated value  • at 220 V rated value  • at 220 V rated value  • at 220 V rated value  • at 60 V rated value  • at 220 V rated value  • at 60 V rated value  • at 70 V rated value  • at 110 V rated value  • at 110 V rated value  • at 110 V rated value  • at 220 V rated value  • at 110 V rated value  • at 200 V rated val	• 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 34 Overated value  in at 34 Overated value  in at 34 Overated value  in at 24 V rated value  in at 24 V rated value  in at 34 Overated value  in at 35 Overated value  in at 36 Overated value  in at 37 Overated value  in at 40 V rated value  in at	Arcing time	10 15 ms	
instantaneous contact  Number of NO 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 220 V rated value  in at 24 V rated value  in at 24 V rated value  in at 24 V rated value  in at 34 O V rated value  in at 34 O V rated value  in at 20 V rated value  i	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  • at 60 V rated value • at 110 V rated value • at 110 V rated value  • at 220 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 10 V rated value • at 110 V rated value  • at 20 V rated value  1 A  Operating current at DC-13  • at 24 V rated value • at 20 V rated value • at 60 V rated value • at 10 V rated value • at 110 V rated value • at 110 V rated value • at 20 V rated value • A  • A  • A  • A  • A  • A  • A  • A	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 24 V rated value  in at 60 V rated value  in at 60 V rated value  in at 24 V rated value  in at 24 V rated value  in at 20 V rated value  in at 30 V rated value  in at 110 V rated value  in at 20 V rated value  in at 210 V rated value  in at 220 V rate	• 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 24 V rated value  • at 60 V rated value  • at 24 V rated value  • at 20 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 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  1 A  • at 60 V rated value  1 A  • at 20 V rated value  1 A  • at 20 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  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  2 A  • at 110 V rated value  1 A  • at 20 V rated value  1 A  • at 20 V rated value  2 A  • at 20 V rated value  3 A  Contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)	• 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  1 A  Operating current at DC-13  at 220 V rated value  1 A  Operating current at DC-13  at 24 V rated value  1 0 A  at 60 V rated value  2 A  at 110 V rated value  1 A  at 220 V rated value  Acontact 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  Acontact rating of auxiliary contacts according to UL  Short-circuit protection	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  1 A  at 24 V rated value  1 A  at 220 V rated value  At 110 V rated value  At 200 V rated value	Operating current at AC-15		
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 2 A  • at 60 V rated value 2 A  • at 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 1 A  • at 220 V rated value 1 A  • at 220 V rated value 2 A  • at 110 V rated value 1 A  • at 220 V rated value 1 A  • at 220 V rated value 2 A  • at 220 V rated value 3 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	• at 230 V rated value	6 A	
<ul> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>1 A</li> </ul> Operating current at DC-13 <ul> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 10 V rated value</li> <li>at 110 V rated value</li> <li>at 120 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>Acontact 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		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  O.3 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		6 A	
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 • 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 110 V rated value		
at 24 V rated value  at 60 V rated value  at 110 V rated value  at 220 V rated value  outside the second of the s		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>	. •		
at 110 V rated value  at 220 V rated value  contact reliability of auxiliary contacts  1 A  1 aulty 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 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		
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			
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		
<u> </u>	Contact rating of auxiliary contacts according to UL	A600 / Q600	
<u> </u>	Short-circuit protection		
	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		
<ul> <li>Side-by-side mounting</li> </ul>	Yes		
Height	112 mm		
Width	55 mm		
Depth	115 mm		
Required spacing			
<ul> <li>for grounded parts</li> </ul>			
— 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)
<ul> <li>finely stranded with core end processing</li> </ul>	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
CE	Miscellaneous	Type Test Certificates/Test Report	Special Test Certi- ficate	Miscellaneous	RICAN SURPLE

Marine .	/ Shin	pina
MIGHT	, Oilip	PILIS

other



EG-Konf.







Miscellaneous

Confirmation

ABS

### 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=3RT1035-1AK60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1035-1AK60

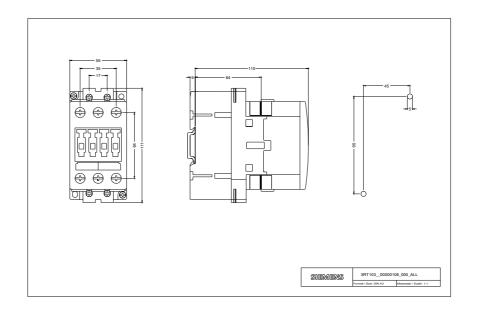
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

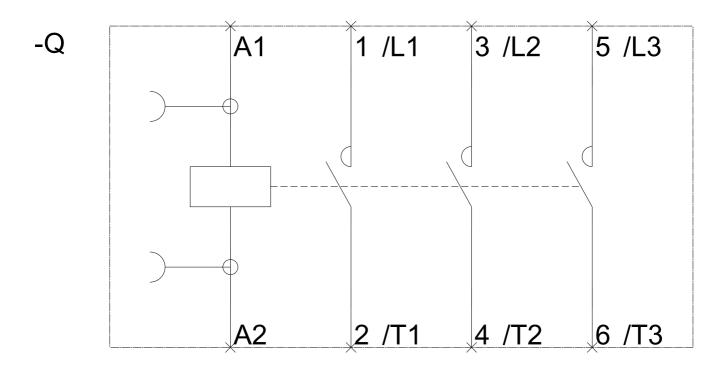
https://support.industry.siemens.com/cs/ww/en/ps/3RT1035-1AK60

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)  $\underline{\text{http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1035-1AK60\&lang=en.pdf} \\ \underline{\text{http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1035-1AK60\&lang=en.pdf} \\ \underline{\text{http://www.automation.siemens.com/bilddb/cax\_de.aspx} \\ \underline{\text{http://www.automation.siemens.com/bilddb/cax\_de.aspx$ 

Characteristic: Tripping characteristics, I2t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT1035-1AK60/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1035-1AK60&objecttype=14&gridview=view1





last modified: 08/13/2020