SIEMENS

Data sheet

3RT2035-3AL20



power contactor, AC-3e/AC-3, 41 A, 18.5 kW / 400 V, 3-pole, 230 V AC, 50/60 Hz, auxiliary contacts: 1 NO + 1 NC, main circuit: screw terminal, control and auxiliary circuit: spring-loaded terminal, size: S2

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 	6.6 W
 at AC in hot operating state per pole 	2.2 W
 without load current share typical 	6.5 W
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	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 (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)	10/01/2014
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	236 kg
Global Warming Potential [CO2 eq] during manufacturing	4.11 kg
Global Warming Potential [CO2 eq] during operation	233 kg
Global Warming Potential [CO2 eq] after end of life	-0.635 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	60 A
value • at AC-1	
up to 690 V at ambient temperature 40 °C rated	60 A
value	00 A
— up to 690 V at ambient temperature 60 °C rated	55 A
value	
• at AC-3	
— at 400 V rated value	41 A
— at 500 V rated value	41 A
— at 690 V rated value	24 A
● at AC-3e	
— at 400 V rated value	41 A
— at 500 V rated value	41 A
— at 690 V rated value	24 A
 at AC-4 at 400 V rated value 	35 A
 at AC-5a up to 690 V rated value 	52.8 A
 at AC-5b up to 400 V rated value 	33.2 A
● at AC-6a	
 — up to 230 V for current peak value n=20 rated value 	36.5 A
 — up to 400 V for current peak value n=20 rated value 	36.5 A
 — up to 500 V for current peak value n=20 rated value 	36.5 A
 — up to 690 V for current peak value n=20 rated value 	24 A
● at AC-6a	
 — up to 230 V for current peak value n=30 rated value 	24.2 A
 — up to 400 V for current peak value n=30 rated value 	24.2 A
 — up to 500 V for current peak value n=30 rated value 	24.2 A
— up to 690 V for current peak value n=30 rated value	24 A
minimum cross-section in main circuit at maximum AC-1 rated value	16 mm ²
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	22 A
at 690 V rated value	18.5 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	55 A
— at 60 V rated value	23 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 rated value	55 A
— at 60 V rated value	45 A
— at 110 V rated value	45 A
— at 220 V rated value	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 	
— at 24 V rated value	55 A

 short-time withstand current in cold operating state up to 40 °C limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum 	843 A; Use minimum cross-section acc. to AC-1 rated value 596 A; Use minimum cross-section acc. to AC-1 rated value
short-time withstand current in cold operating state up to 40 $^{\circ}\mathrm{C}$	843 At Lise minimum cross section acc. to AC 1 retad value
short-time withstand current in cold operating state up to	
 up to 690 V for current peak value n=30 rated value 	28.6 kVA
• up to 500 V for current peak value n=30 rated value	21 kVA
 up to 400 V for current peak value n=30 rated value 	16.8 kVA
 up to 230 V for current peak value n=30 rated value 	9.6 kVA
operating apparent power at AC-6a	
 up to 690 V for current peak value n=20 rated value 	28.6 kVA
 up to 500 V for current peak value n=20 rated value 	31.6 kVA
 up to 400 V for current peak value n=20 rated value 	25.2 kVA
• up to 230 V for current peak value n=20 rated value	14.5 kVA
operating apparent power at AC-6a	
• at 690 V rated value	16.8 kW
• at 400 V rated value	11.6 kW
operating power for approx. 200000 operating cycles at AC- 4	
— at 690 V rated value	22 kW
— at 500 V rated value	22 kW
— at 400 V rated value	18.5 kW
— at 230 V rated value	11 kW
• at AC-3e	
— at 690 V rated value	22 kW
— at 500 V rated value	22 kW
— at 400 V rated value	18.5 kW
— at 230 V rated value	11 kW
• at AC-3	
• at AC-2 at 400 V rated value	18.5 kW
operating power	
— at 600 V rated value	0.35 A
— at 440 V rated value	0.6 A
— at 220 V rated value	25 A
— at 110 V rated value	55 A
— at 60 V rated value	55 A
— at 24 V rated value	55 A
• with 3 current paths in series at DC-3 at DC-5	
— at 600 V rated value	0.16 A
— at 440 V rated value	0.27 A
— at 220 V rated value	25 A 5 A
— at 60 V rated value — at 110 V rated value	45 A 25 A
- at 24 V rated value	55 A 45 A
• with 2 current paths in series at DC-3 at DC-5	
— at 600 V rated value	0.06 A
— at 440 V rated value	0.1 A
— at 220 V rated value	1A
— at 60 V rated value	6 A
— at 24 V rated value	35 A
 at 1 current path at DC-3 at DC-5 	
— at 600 V rated value	1.4 A
— at 440 V rated value	2.9 A
— at 220 V rated value	45 A
— at 110 V rated value	55 A
— at 60 V rated value	55 A

• 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-3e maximum	1 000 1/h
• at AC-4 maximum	300 1/h
Control circuit/ Control	
	AC
type of voltage of the control supply voltage	AC
control supply voltage at AC	
• at 50 Hz rated value	230 V
at 60 Hz rated value	230 V
operating range factor control supply voltage rated value of	
magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
● at 50 Hz	210 VA
• at 60 Hz	188 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.69
• at 60 Hz	0.65
apparent holding power of magnet coil at AC	
• at 50 Hz	17.2 VA
• at 60 Hz	16.5 VA
inductive power factor with the holding power of the coil	
at 50 Hz	0.36
• at 50 Hz	0.39
	0.59
closing delay	
• at AC	10 80 ms
opening delay	
• at AC	10 18 ms
arcing time	10 20 ms
a sector because and the sector state of the s	Standard A1 - A2
control version of the switch operating mechanism	Stanuaru AT - AZ
control version of the switch operating mechanism Auxiliary circuit	Stalitaiti AT - Az
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous	1
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact	
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous	
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact	1
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	1
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	1 1 10 A
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	1 1 10 A 10 A
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	1 1 10 A 10 A 3 A
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	1 1 10 A 10 A
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	1 1 10 A 10 A 3 A
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	1 1 10 A 10 A 3 A 2 A
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	1 1 10 A 10 A 3 A 2 A
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	1 1 10 A 10 A 3 A 2 A 1 A
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 24 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A
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 24 V rated value • at 24 V rated value • at 48 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A
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	1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A
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 400 V rated value • at 24 V rated value • at 400 V rated value • at 24 V rated value • at 110 V rated value • at 125 V rated value	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A
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 24 V rated value • at 25 V rated value • at 125 V rated value • at 220 V rated value	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A
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 24 V rated value • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 120 V rated value	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A
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 48 V rated value • at 48 V rated value • at 48 V rated value • at 400 V rated value • at 24 V rated value • at 250 V rated value • at 24 V rated value • at 48 V rated value • at 20 V rated value • at 22 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 0.15 A
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 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 424 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10
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 60 V rated value • at 210 V rated value • at 220 V rated value • at 220 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 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 24 V rated value • at 600 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value	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
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 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 24 V rated value • at 60 V rated value • at 24 V rated value • at 25 V rated value • at 110 V rated value • at 220 V rated value • at 24 V rated value • at 600 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10
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 60 V rated value • at 220 V rated value • at 220 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 24 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 48 V rated value	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
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 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 24 V rated value • at 60 V rated value • at 24 V rated value • at 25 V rated value • at 110 V rated value • at 220 V rated value • at 24 V rated value • at 600 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10
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 48 V rated value • at 48 V rated value • at 48 V rated value • at 10 V rated value • at 220 V rated value • at 24 V rated value • at 600 V rated value • at 60 V rated value <tr< td=""><td>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 10</td></tr<>	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
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 48 V rated value at 400 V rated value at 24 V rated value at 110 V rated value at 220 V rated value at 220 V rated value at 24 V rated value at 400 V rated value at 48 V rated value at 48 V rated value at 24 V rated value at 25 V rated value at 24 V rated value at 24 V rated value at 10 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 48 V rated value at 48 V rated value at 48 V rated value at 10 V rated value at 110 V rated value	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 6 A 6 A 6 A 10 A 2 A 1 A 0 15 A 10 A 2 A 1 A 0.9 A
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 60 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 600 V rated value at 110 V rated value at 220 V rated value at 600 V rated value at 220 V rated value at 24 V rated value at 25 V rated value at 24 V rated value at 24 V rated value at 25 V rated value at 110 V rated value at 24 V rated value at 24 V rated value at 25 V rated value at 20 V rated value at 220 V rated value at 125 V rated value at 220 V rated value <tr< td=""><td>1 1 10 A 3A 2A 1A 10 A 6A 6A 6A 3A 2A 1A 10 A 6A 6A 6A 6A 6A 1A 10 A 2A 1A 0 A 2A 1A 0.15 A</td></tr<>	1 1 10 A 3A 2A 1A 10 A 6A 6A 6A 3A 2A 1A 10 A 6A 6A 6A 6A 6A 1A 10 A 2A 1A 0 A 2A 1A 0.15 A
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 600 V rated value • at 60 V rated value • at 220 V rated value • at 24 V rated value • at 60 V rated value • at 220 V rated value • at 24 V rated value • at 220 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	1 1 10 A 3A 2A 1A 10 A 6A 6A 6A 3A 2A 1A 10 A 6A 6A 6A 1A 10 A 2A 1A 0.1 A

full-load current (FLA) for 3-phase AC motor				
at 480 V rated value	40 A			
at 600 V rated value	40 A 41 A			
yielded mechanical performance [hp]				
• for single-phase AC motor				
— at 110/120 V rated value	3 hp			
— at 230 V rated value	7.5 hp			
• for 3-phase AC motor				
— at 200/208 V rated value	10 hp			
— at 220/230 V rated value	15 hp			
— at 460/480 V rated value	30 hp			
— at 575/600 V rated value	40 hp			
contact rating of auxiliary contacts according to UL	A600 / P600			
Short-circuit protection	A00071000			
design of the fuse link				
for short-circuit protection of the main circuit				
with type of coordination 1 required	aC: 160 A (600)/ 100 kA) aM: 80 A (600)/ 100 kA) BS89: 125 A (415)/ 80			
	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 DIN 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	serou type terminale			
for main current circuit for auxiliany and control 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			
type of connectable conductor cross-sections				
for main contacts	$\Omega_{11}(4 - \Omega_{11}^{2} + \Omega_{12}^{2}) = 0$			
— solid or stranded	2x (1 35 mm ²), 1x (1 50 mm ²)			
— finely stranded with core end processing	2x (1 25 mm ²), 1x (1 35 mm ²)			
for AWG cables for main contacts	2x (18 2), 1x (18 1)			
connectable conductor cross-section for main contacts				
finely stranded with core end processing	1 35 mm²			
connectable conductor cross-section for auxiliary contacts				
solid or stranded	0.5 2.5 mm ²			
 finely stranded with core end processing 	0.5 1.5 mm ²			
 finely stranded without core end processing 	0.5 2.5 mm²			

type of connectable cond	ductor cross-section	ns				
 for auxiliary contacts 	5					
- solid or strande	ed	2x (0).5 2.5 mm²)			
— finely stranded	with core end proce	ssing 2x (0).5 1.5 mm²)			
— finely stranded	without core end pro	ocessing 2x (0).5 2.5 mm²)			
 for AWG cables for a 	auxiliary contacts	2x (2	20 14)			
AWG number as coded c section	connectable conduc	tor cross				
 for main contacts 		18	. 1			
 for auxiliary contacts 	6	20	. 14			
afety related data						
proportion of dangerous	failures					
with low demand rat		920 40 %	0			
 with high demand ra 	•		0			
failure rate [FIT] with low 31920			FIT			
B10 value with high dem	and rate according	to SN 31920 1 00	0 000			
product function positive						
IEC 60947-5-1						
product function mirror of	contact according to	DIEC 60947-4-1 Yes				
suitability for use safety-rel	lated switching OFF	Yes;	applies only to contactor o	perating mechanism		
IEC 61508						
T1 value for proof test interval or service life according to EC 61508		according to 20 a	20 a			
Electrical Safety						
protection class IP on the	e front according to	IEC 60529 IP20)			
touch protection on the f	ront according to I	EC 60529 finge	er-safe, for vertical contact f	from the front		
pprovals Certificates						
General Product Approv	al					
	-	<u>Confirmation</u>			•	
(SP)	(m)	Commation		CE	(JL)	
			ГО	SC Word		
CSA	ccc			EG-Kont.	UL	
General Product Approv	al	EMV	Test Certificates		Marine / Shipping	
<u>KC</u>		Δ	Special Test Certific-	Type Test Certific-	Star and	
	FHI	<i>κ</i> λ	ate	ates/Test Report	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	ENL	چ			Constant of the second	
		RGM			ABS	
Marine / Shipping						
marine / Snipping						
A CONTRACTOR	2 8		APR.	(Star		
	ተዋ	Lloyds		((()	
	DNV					
BUREAU	DNV	LRS	PRS	RINA	RMRS	
TENTIAS						
other		Dangerous Good	Environment			
Confirmation	Confirmation	Transport Information	EPD Typ II/III (with life			
			cylce assessment)			

Further information

Siemens has decided to exit the Russian market (see here).

 $\underline{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}$

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

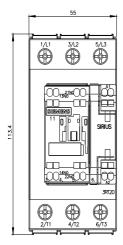
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,...) https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2035-3AL20 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2035-3AL20 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2035-3AL20 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2035-3AL20&lang=en http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2035-3/

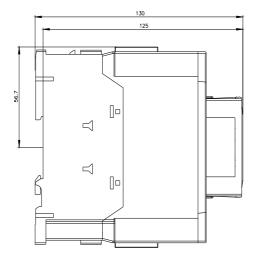
Characteristic: Tripping characteristics, I2t, Let-through current

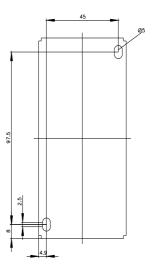
https://support.industry.siemens.com/cs/ww/en/ps/3RT2035 20/char

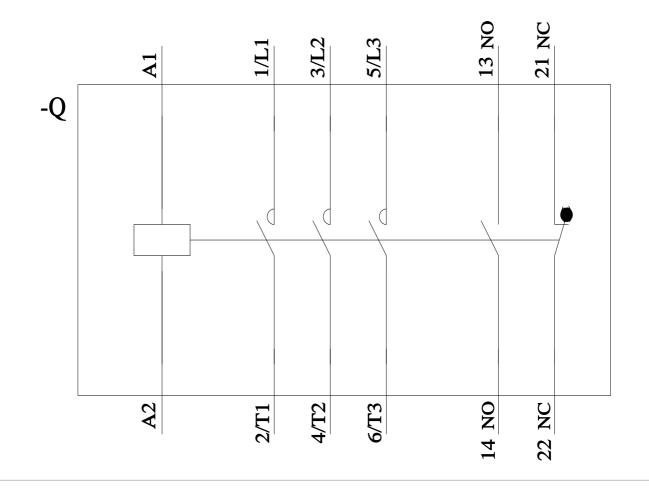
Further characteristics (e.g. electrical endurance, switching frequency)

-3RT2035-3AL20&objecttype=14&gridview=view1 http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb









last modified:

12/20/2023 🖸