SIEMENS

Data sheet

3RT2036-1CK64-3MA0



power contactor, AC-3e/AC-3, 51 A, 22 kW / 400 V, 3-pole, 110 V AC, 50 Hz / 120 V, 60 Hz, with plugged-in varistor, auxiliary contacts: 2 NO + 2 NC, screw terminal, size: S2, captive auxiliary switch

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	No
power loss [W] for rated value of the current	
 at AC in hot operating state 	12 W
 at AC in hot operating state per pole 	4 W
 without load current share typical 	6.5 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	9.8g / 5 ms, 6.5g / 10 ms
shock resistance with sine pulse	
• at AC	15.3g / 5 ms, 10.1g / 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)	
SVHC substance name	Lead - 7439-92-1
Weight	1.084 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	95 %

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maximum				
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	70 A			
 at AC-1 up to 690 V at ambient temperature 40 °C rated value 	70 A			
— up to 690 V at ambient temperature 60 °C rated value	60 A			
• at AC-3				
— at 400 V rated value	51 A			
— at 500 V rated value	51 A			
— at 690 V rated value	24 A			
• at AC-3e				
— at 400 V rated value	51 A			
— at 500 V rated value	51 A			
— at 690 V rated value	24 A			
• at AC-4 at 400 V rated value	41 A			
 at AC-5a up to 690 V rated value 	61.6 A			
 at AC-5b up to 400 V rated value 	41.5 A			
● at AC-6a				
 — up to 230 V for current peak value n=20 rated value 	43.2 A			
 — up to 400 V for current peak value n=20 rated value 	43.2 A			
 — up to 500 V for current peak value n=20 rated value 	43.2 A			
 — up to 690 V for current peak value n=20 rated value 	24 A			
• at AC-6a				
 — up to 230 V for current peak value n=30 rated value 	28.8 A			
 — up to 400 V for current peak value n=30 rated value 	28.8 A			
 — up to 500 V for current peak value n=30 rated value 	28.8 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	25 mm²			
operational current for approx. 200000 operating cycles at AC-4				
• at 400 V rated value	24 A			
at 690 V rated value	20 A			
operational current				
• at 1 current path at DC-1				
— at 24 V rated value	55 A			
— at 60 V rated value	23 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				
— 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			
— at 60 V rated value	55 A			
— at 110 V rated value	55 A			
— at 220 V rated value	45 A			

— at 440 V rated value	2.9 A			
— at 600 V rated value	1.4 A			
• at 1 current path at DC-3 at DC-5				
— at 24 V rated value	35 A			
— at 60 V rated value	6 A			
— at 220 V rated value	1A			
— at 440 V rated value	0.1 A			
— at 600 V rated value	0.06 A			
 with 2 current paths in series at DC-3 at DC-5 				
— at 24 V rated value	55 A			
— at 60 V rated value	45 A			
— at 110 V rated value	25 A			
— at 220 V rated value	5 A			
— at 440 V rated value	0.27 A			
— at 600 V rated value	0.16 A			
• with 3 current paths in series at DC-3 at DC-5				
— at 24 V rated value	55 A			
— at 60 V rated value	55 A			
— at 110 V rated value	55 A			
— at 220 V rated value	25 A			
— at 440 V rated value	0.6 A			
— at 600 V rated value	0.35 A			
operating power				
• at AC-2 at 400 V rated value	22 kW			
• at AC-3	45.114			
— at 230 V rated value	15 kW			
— at 400 V rated value	22 kW			
— at 500 V rated value	30 kW			
— at 690 V rated value	22 kW			
• at AC-3e	45 144			
— at 230 V rated value	15 kW			
— at 400 V rated value	22 kW			
— at 500 V rated value	30 kW			
— at 690 V rated value	22 kW			
operating power for approx. 200000 operating cycles at AC- 4				
• at 400 V rated value	12.6 kW			
• at 690 V rated value	18.2 kW			
operating apparent power at AC-6a				
 up to 230 V for current peak value n=20 rated value 	17.2 kVA			
 up to 400 V for current peak value n=20 rated value 	29.9 kVA			
 up to 500 V for current peak value n=20 rated value 	37.4 kVA			
 up to 690 V for current peak value n=20 rated value 	28.6 kVA			
operating apparent power at AC-6a				
 up to 230 V for current peak value n=30 rated value 	11.4 kVA			
 up to 400 V for current peak value n=30 rated value 	19.9 kVA			
 up to 500 V for current peak value n=30 rated value 	24.9 kVA			
 up to 690 V for current peak value n=30 rated value 	28.6 kVA			
short-time withstand current in cold operating state up to 40 °C				
 limited to 1 s switching at zero current maximum 	937 A; Use minimum cross-section acc. to AC-1 rated value			
 limited to 5 s switching at zero current maximum 	697 A; Use minimum cross-section acc. to AC-1 rated value			
 limited to 10 s switching at zero current maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value			
 limited to 30 s switching at zero current maximum 	282 A; Use minimum cross-section acc. to AC-1 rated value			
 limited to 60 s switching at zero current maximum 	229 A; Use minimum cross-section acc. to AC-1 rated value			
no-load switching frequency				
• at AC	5 000 1/h			
operating frequency	4 000 4/1			
• at AC-1 maximum	1 000 1/h			
• at AC-2 maximum	600 1/h			
• at AC-3 maximum	800 1/h			

• at AC-3e maximum	800 1/h			
• at AC-4 maximum	250 1/h			
Control circuit/ Control				
type of voltage of the control supply voltage	AC			
control supply voltage at AC				
• at 50 Hz rated value	110 V			
• at 60 Hz rated value	120 V			
operating range factor control supply voltage rated value of magnet coil at AC				
• at 50 Hz	0.8 1.1			
• at 60 Hz	0.8 1.1			
design of the surge suppressor	with varistor			
apparent pick-up power of magnet coil at AC	with vehicit			
• at 50 Hz	212 VA			
• at 50 Hz	188 VA			
	100 VA			
inductive power factor with closing power of the coil	0.00			
• at 50 Hz	0.69			
• at 60 Hz	0.65			
apparent holding power of magnet coil at AC	10 5 1/4			
• at 50 Hz	18.5 VA			
• at 60 Hz	16.5 VA			
inductive power factor with the holding power of the coil				
• at 50 Hz	0.36			
• at 60 Hz	0.39			
closing delay				
• at AC	10 80 ms			
opening delay				
• at AC	10 18 ms			
arcing time	10 20 ms			
control version of the switch operating mechanism	Standard A1 - A2			
Auxiliary circuit				
Auxiliary circuit design of the auxiliary switch	on the front, non-detachable			
	on the front, non-detachable 2			
design of the auxiliary switch number of NC contacts for auxiliary contacts instantaneous				
design of the auxiliary switch number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous	2			
design of the auxiliary switch number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact	2 2			
design of the auxiliary switch number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum	2 2			
design of the auxiliary switch 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	2 2 10 A			
design of the auxiliary switch 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	2 2 10 A 6 A			
design of the auxiliary switch 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	2 2 10 A 6 A 3 A			
design of the auxiliary switch 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	2 2 10 A 6 A 3 A 2 A			
design of the auxiliary switch 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 500 V rated value • at 690 V rated value	2 2 10 A 6 A 3 A 2 A			
design of the auxiliary switch 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 690 V rated value	2 2 10 A 6 A 3 A 2 A 1 A			
design of the auxiliary switch 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	2 2 10 A 6 A 3 A 2 A 1 A 10 A			
design of the auxiliary switch 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 48 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A			
design of the auxiliary switch 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 e at 230 V rated value e at 400 V rated value e at 500 V rated value e at 690 V rated value e at 24 V rated value e at 24 V rated value e at 48 V rated value e at 60 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A			
design of the auxiliary switch 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 60 V rated value • at 400 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A			
design of the auxiliary switch 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 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A			
design of the auxiliary switch 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 48 V rated value • at 110 V rated value • at 220 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A			
design of the auxiliary switch 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 100 V rated value • at 24 V rated value • at 20 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A			
design of the auxiliary switch 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 600 V rated value • at 60 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 24 V rated value • at 60 V rated value • at 600 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A			
design of the auxiliary switch 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 600 V rated value • at 48 V rated value • at 60 V rated value • at 60 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 24 V rated value • at 24 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A			
design of the auxiliary switch 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 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 24 V rated value • at 110 V rated value • at 125 V rated value • at 24 V rated value • at 48 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value <th>2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A</th>	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A			
design of the auxiliary switch 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 48 V rated value • at 60 V rated value • at 400 V rated value • at 48 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 600 V rated value • at 60 V rated value	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A			
design of the auxiliary switch number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 48 V rated value • at 60 V rated value • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 600 V rated value • at 100 V rated value • at 100 V rated value • at 110 V rated value • at 110 V rated value • at 110 V rated va	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A			
design of the auxiliary switch 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 690 V rated value • at 600 V rated value • 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 • at 24 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 220 V rated value • at 24 V rated value <th>2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 1 A 0.15 A</th>	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 1 A 0.15 A			
design of the auxiliary switch 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 690 V rated value • at 600 V rated value • at 210 V rated value • at 600 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 24 V rated value <th>2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A</th>	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A			
design of the auxiliary switch 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 48 V rated value • at 48 V rated value • at 220 V rated value • at 220 V rated value • at 220 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 600 V rated value • at 600 V rated value • at 220 V rated value • at 220 V rated value • at 48 V rated value • at 48 V rated value • at 220 V rated value <th>2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 1 A 0.15 A</th>	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 2 A 1 A 0.15 A			
design of the auxiliary switch 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 690 V rated value • at 600 V rated value • at 210 V rated value • at 600 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 24 V rated value <td>2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A</td>	2 2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A			

- at 400 V rated value	F0 A			
at 480 V rated value	52 A			
at 600 V rated value	52 A			
yielded mechanical performance [hp]				
 for single-phase AC motor — at 110/120 V rated value 	2 bn			
	3 hp			
— at 230 V rated value	10 hp			
for 3-phase AC motor				
— at 200/208 V rated value	15 hp			
— at 220/230 V rated value	15 hp			
— at 460/480 V rated value	40 hp			
- at 575/600 V rated value	50 hp			
contact rating of auxiliary contacts according to UL	A600 / Q600			
Short-circuit protection				
design of the fuse link				
 for short-circuit protection of the main circuit 				
 — with type of coordination 1 required 	gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA)			
 — with type of assignment 2 required 	gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA)			
 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)			
Installation/ mounting/ dimensions				
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface			
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715			
height	114 mm			
width	55 mm			
depth	174 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	corow two terminals			
for main current circuit for ouviliant and control circuit	screw-type terminals			
for auxiliary and control circuit	screw-type terminals			
at contactor for auxiliary contacts	Screw-type terminals			
of magnet coil type of connectable conductor cross-sections	Screw-type terminals			
type of connectable conductor cross-sections				
for main contacts	2x/4 25 mm ² $1x/4$ 50 mm ²			
— 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 mm²			
 finely stranded with core end processing 	0.5 2.5 mm²			
type of connectable conductor cross-sections				
 for auxiliary contacts 				
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)			

— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 for AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14)
AWG number as coded connectable conductor cross section	
for main contacts	18 1
 for auxiliary contacts 	20 14
Safety related data	
product function	
 mirror contact according to IEC 60947-4-1 	Yes
 positively driven operation according to IEC 60947-5-1 	No
 suitable for safety function 	Yes
suitability for use safety-related switching OFF	Yes
service life maximum	20 a
test wear-related service life necessary	Yes
proportion of dangerous failures	
 with low demand rate according to SN 31920 	40 %
 with high demand rate according to SN 31920 	73 %
B10 value with high demand rate according to SN 31920	1 000 000
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
ISO 13849	
device type according to ISO 13849-1	3
overdimensioning according to ISO 13849-2 necessary	Yes
IEC 61508	
safety device type according to IEC 61508-2	Туре А
Electrical Safety	
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 Approval	

C C EG-Konf.	UK CA		<u>Confirmation</u>		KC
General Product Approval	EMV	Functional Saftey	Test Certificates		Marine / Shipping
EHC	RCM	<u>Type Examination Cer-</u> <u>tificate</u>	<u>Special Test Certific-</u> <u>ate</u>	Type Test Certific- ates/Test Report	ABS
Marine / Shipping					other
B U REAU VERITAS		PRS	RINA	RMRS	<u>Confirmation</u>
Railway	Dangerous goods	Environment			
Special Test Certific- ate	Transport Information	Environmental Con- firmations			

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=3RT2036-1CK64-3MA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2036-1CK64-3MA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2036-1CK64-3MA0

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

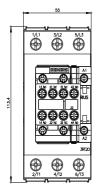
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2036-1CK64-3MA0&lang=en

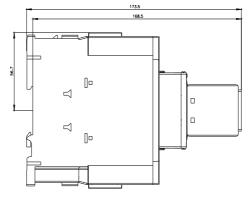
Characteristic: Tripping characteristics, I²t, Let-through current

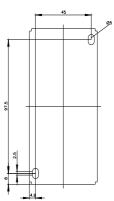
https://support.industry.siemens.com/cs/ww/en/ps/3RT2036-1CK64-3MA0/char

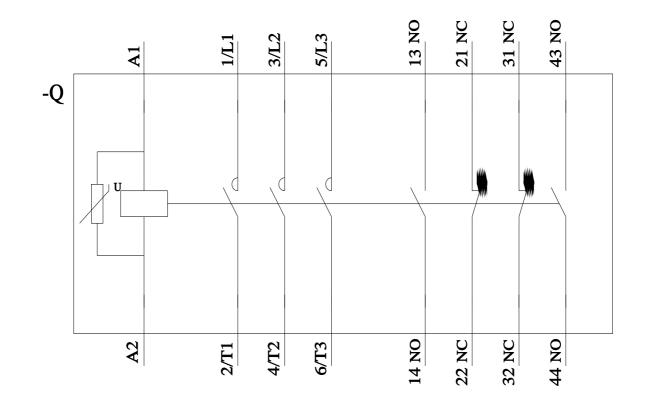
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2036-1CK64-3MA0&objecttype=14&gridview=view1









last modified:

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