SIEMENS

Data sheet

3RT1065-6AP36



power contactor, AC-3e/AC-3 265 A, 132 kW / 400 V AC (50-60 Hz) / DC Uc: 220-240 V 3-pole, auxiliary contacts 2 NO + 2 NC drive: conventional main circuit: busbar control and auxiliary circuit: screw terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
General technical data	
size of contactor	S10
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 	54 W
 at AC in hot operating state per pole 	18 W
 without load current share typical 	7.4 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	1 000 V
 of auxiliary circuit with degree of pollution 3 rated value 	500 V
surge voltage resistance	
 of main circuit rated value 	8 kV
 of auxiliary circuit rated value 	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 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)	05/01/2012
SVHC substance name	Lead - 7439-92-1
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 %
maximum	
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	580 kg
Global Warming Potential [CO2 eq] during manufacturing	26.3 kg
Global Warming Potential [CO2 eq] during operation	559 kg
Global Warming Potential [CO2 eq] after end of life	-4.89 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 	1 000 V
at AC-3e rated value maximum	1 000 V
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated value 	330 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated	330 A
value	
— up to 690 V at ambient temperature 60 $^\circ\mathrm{C}$ rated value	300 A
— up to 1000 V at ambient temperature 40 °C rated value	150 A
— up to 1000 V at ambient temperature 60 °C rated value	150 A
• at AC-3	
— at 400 V rated value	265 A
— at 500 V rated value	265 A
— at 690 V rated value	265 A
— at 1000 V rated value	95 A
• at AC-3e	
— at 400 V rated value	265 A
— at 500 V rated value	265 A
— at 690 V rated value	265 A
— at 1000 V rated value	95 A
• at AC-4 at 400 V rated value	230 A
• at AC-5a up to 690 V rated value	290 A
• at AC-5b up to 400 V rated value	219 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	265 A
— up to 400 V for current peak value n=20 rated value	265 A
— up to 500 V for current peak value n=20 rated value	265 A
— up to 690 V for current peak value n=20 rated value	265 A
 — up to 1000 V for current peak value n=20 rated value 	95 A
• at AC-6a	
 at AC-ba — up to 230 V for current peak value n=30 rated value 	184 A
— up to 250 V for current peak value n=30 rated value	184 A
— up to 500 V for current peak value n=30 rated value	184 A
— up to 690 V for current peak value n=30 rated value	184 A
— up to 1000 V for current peak value n=30 rated	95 A
minimum cross-section in main circuit at maximum AC-1 rated	185 mm ²
value operational current for approx. 200000 operating cycles at	
AC-4	117 Δ
at 400 V rated value	117 A
at 690 V rated value	105 A
operational current	
• at 1 current path at DC-1	200.4
— at 24 V rated value	300 A
- at 60 V rated value	300 A
— at 110 V rated value	33 A

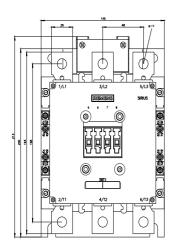
— at 220 V rated value	3.8 A
— at 440 V rated value	0.9 A
— at 600 V rated value	0.6 A
 with 2 current paths in series at DC-1 	
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	300 A
— at 440 V rated value	4 A
— at 600 V rated value	2 A
 with 3 current paths in series at DC-1 	
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	300 A
— at 440 V rated value	11 A
— at 600 V rated value	5.2 A
 at 1 current path at DC-3 at DC-5 	
— at 24 V rated value	300 A
— at 60 V rated value	11 A
— at 110 V rated value	3 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.18 A
— at 600 V rated value	0.125 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	2.5 A
— at 440 V rated value	0.65 A
— at 600 V rated value	0.37 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	300 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	
• at AC-3	
— at 230 V rated value	75 kW
— at 400 V rated value	132 kW
— at 500 V rated value	160 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	132 kW
• at AC-3e	
— at 230 V rated value	75 kW
— at 400 V rated value	132 kW
— at 500 V rated value	160 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	132 kW
operating power for approx. 200000 operating cycles at AC- 4	
• at 400 V rated value	66 kW
• at 690 V rated value	102 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	100 000 kVA
 up to 400 V for current peak value n=20 rated value 	180 000 VA
• up to 500 V for current peak value n=20 rated value	220 000 VA
 up to 690 V for current peak value n=20 rated value 	310 000 VA
 up to 1000 V for current peak value n=20 rated value 	160 000 VA

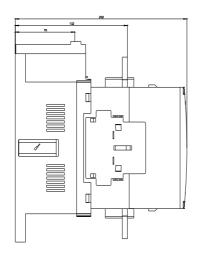
operating apparent power at AC-6a			
 up to 230 V for current peak value n=30 rated value 	70 000 VA		
 up to 400 V for current peak value n=30 rated value 	120 000 VA		
 up to 500 V for current peak value n=30 rated value 	150 000 VA		
 up to 690 V for current peak value n=30 rated value 	220 000 VA		
 up to 1000 V for current peak value n=30 rated value 	160 000 VA		
short-time withstand current in cold operating state up to			
40 °C	4,990 A: Liss minimum cross spectra ass. to AC 1 rated value		
 limited to 1 s switching at zero current maximum limited to 5 s switching at zero surrent maximum 	4 880 A; Use minimum cross-section acc. to AC-1 rated value 4 045 A; Use minimum cross-section acc. to AC-1 rated value		
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum 	2 785 A; Use minimum cross-section acc. to AC-1 rated value		
 limited to 30 s switching at zero current maximum 	1 664 A: Use minimum cross-section acc. to AC-1 rated value		
 limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum 	1 276 A; Use minimum cross-section acc. to AC-1 rated value		
no-load switching frequency			
• at AC	2 000 1/h		
• at DC	2 000 1/h		
operating frequency			
• at AC-1 maximum	800 1/h		
• at AC-2 maximum	250 1/h		
● at AC-3 maximum	500 1/h		
● at AC-3e maximum	500 1/h		
• at AC-4 maximum	130 1/h		
Control circuit/ Control			
type of voltage of the control supply voltage	AC/DC		
control supply voltage at AC			
 at 50 Hz rated value 	220 240 V		
• at 60 Hz rated value	220 240 V		
control supply voltage at DC rated value			
•	220 240 V		
operating range factor control supply voltage rated value of magnet coil at DC			
• initial value	0.8		
• full-scale value	1.1		
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			
at minimum rated control supply voltage at AC			
— at 50 Hz	490 VA		
— at 60 Hz	490 VA		
• at maximum rated control supply voltage at AC	500 \/A		
— at 60 Hz — at 50 Hz	590 VA 590 VA		
apparent pick-up power of magnet coil at AC			
• at 50 Hz	590 VA		
• at 60 Hz	590 VA		
inductive power factor with closing power of the coil			
• at 50 Hz	0.9		
• at 60 Hz	0.9		
apparent holding power			
• at minimum rated control supply voltage at DC	6.1 VA		
 at maximum rated control supply voltage at DC 	7.4 VA		
apparent holding power			
 at minimum rated control supply voltage at AC 			
— at 50 Hz	5.6 VA		
— at 60 Hz	5.6 VA		
at maximum rated control supply voltage at AC			
— at 50 Hz	6.7 VA		
— at 60 Hz	6.7 VA		
inductive power factor with the holding power of the coil			

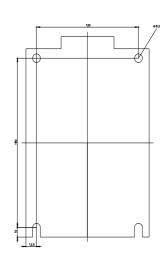
• at 01 tz 0.9 closing power of magnet coli at DC 560 W holding power of magnet coli at DC 7.4 W closing delay - • at AC 3095 ms • at CC 3095 ms • at CC 4080 ms • at 40.V task value 6.A • at 40.V task val	• at 50 Hz	0.9
closing power of magnet coll at DC 640 W holding power of magnet coll at DC 74 W closing delay 3095 ms • at AC 3095 ms • at AC 4080 ms <td< td=""><td></td><td></td></td<>		
Including power of magnet coil at DC 7.4 W clobal poleby 3095 ms • at DC 3095 ms • at DC 3095 ms • at DC 4090 ms • at DC 40		
clearing delay at DC 30 - 95 ms at DC 30 - 95 ms at DC 30 - 95 ms at DC at D		
• at AC 3095 ms opening delay 4080 ms • at AC 4080 ms • at CC 4080 ms • at CC 4080 ms • at CC 4080 ms acting time 1015 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit mumber of No contexts for auxiliary contexts instantaneous 2 contact contact 2 contact contact 3A • at 300 Victor value 2 • at 300 Victor value 3A • at 300 Victor value 1A operational current at 2C-12 • • at 300 Victor value 1A operational current at 2C-12 • • at 300 Victor value 3A • at 300 Victo		/.4 VV
• e1 DC 30 95 ms opening delay - • e1 AC 40 80 ms • e1 CC 40 80 ms arcing time 10 15 ms control version of the switch operating mechanism 2 Auxiliary circuit 2 mumber of NC contexts for auxiliary contects instantaneous 2 cortistd. - operational current at AC-12 maximum 10 A operational current at AC-12 maximum 10 A operational current at AC-12 - • at 330 V tated value 6 A • at 330 V tated value 10 A • at 680 V rated value 10 A • at 680 V rated value 6 A • at 680 V rated value 10 A •		
open link 4080 ms • at AC 4080 ms • at CC 4080 ms • at CC 4080 ms control version of the switch openating mechanism Standard A1 - A2 Auxiliary circuit 2 contrat version of the switch openating mechanism 2 contract 2 contract version of the switch openating mechanism 2 contract 2 contract 2 contract 6 A operational current at AC-12 maximum 10 A operational current at AC-15 6 • at 500 Vrated value 3.A • at 500 Vrated value 1.A operational current at AC-14 1.A • at 60 Vrated value 0.A • at 60 Vrated value <td></td> <td></td>		
if AC		30 95 ms
• e1 DC 4080 ms arcing time 1015 ms control version of the switch operating mechanism 21		
arcing time 10 15 ms Control Version of the switch operating mechanism Standard A1 - A2 Availary circle 2 number of NC contacts for availiary contacts instantaneous 2 contact 2 contact 2 operational current at AC-12 maximum 10 A operational current at AC-13 6 A at 200 Vrated value 6 A at 400 Vrated value 2 A at 680 Vrated value 10 A operational current at AC-12 6 A at 800 Vrated value 6 A at 400 Vrated value 6 A at 400 Vrated value 6 A at 800 Vrated value 7 A at 800 Vrated value 0.15 A opperational current at DC-13 10 A at 800 Vrated value 0.2 A at 800 Vrated value 0.3 A at 800 Vrated value 0.4		
Control version of the switch operating mechanism Slandard A1 - A2 Auxiliary critical 2 Contract 2 Contract 2 Contract 2 Contract 2 Contract 2 Contract 0A operational current at AC-12 maximum 10 A operational current at AC-15 6 at 300 V rated value 3A at 300 V rated value 1A operational current at DC-12 - at 48 V rated value 6A at 48 V rated value 6A at 49 V rated value 6A at 49 V rated value 6A at 400 V rated value 6A at 400 V rated value 6A at 400 V rated value 1A operational current at DC-13 - ot 24 V rated value 2A at 100 V rated value 2A at 400 V rated value 2A at 400 V rated value 2A at 400 V rated value 2A at 22 V rated value	• at DC	40 80 ms
Auxiliary circuit 2 number of NC contacts for auxiliary contacts instantaneous contact 2 questional current at AC-12 maximum 10 A operational current at AC-15 6 • at 200 Vrated value 6 A • at 200 Vrated value 6 A • at 600 Vrated value 10 A operational current at AC-12 10 A • at 600 Vrated value 6 A • at 600 Vrated value 10 A • at 600 Vrated value 6 A • at 600 Vrated value 6 A • at 600 Vrated value 6 A • at 80 Vrated value 10 A • at 80 Vrated value 10 A • at 20 Vrated value 10 A • at 20 Vrated value 10 A • at 20 Vrated value 10 A • at 80 Vrated value 2 A • at 80 Vrated value 2 A • at 80 Vrated value 2 A • at 20 Vrated value 2 A • at 80 Vrated value 2 A • at 80 Vrated value 2 A • at 80 Vrated value 2 A	arcing time	10 15 ms
number of NC contacts for auxiliary contacts instantaneous 2 contact 2 contact 0 operational current at AC-12 maximum 10 A operational current at AC-12 maximum 10 A operational current at AC-13 6 A at 200 V rated value 3 A at 500 V rated value 3 A at 500 V rated value 10 A operational current at AC-12 maximum 10 A operational current at DC-12 1 A at 24 V rated value 6 A at 48 V rated value 6 A at 60 V rated value 3 A at 125 V rated value 1 A operational current at DC-13 1 A at 220 V rated value 1 A at 600 V rated value 2 A at 48 V rated value 2 A at 48 V rated value 2 A at 600 V rated value 2 A at 600 V rated value 0 A at 48 V rated value 0 A at 220 V rated value 0 A at 600 V rated value 0 A <	control version of the switch operating mechanism	Standard A1 - A2
contact 2 contact 0 A operational current at AC-15 0 A • at 200 V rade value 6 A • at 300 V rade value 2 A • at 400 V rade value 2 A • at 600 V rade value 2 A • at 600 V rade value 2 A • at 600 V rade value 0 A operational current at DC-12 1 A • at 60 V rade value 6 A • at 80 V rade value 10 A • at 80 V rade value 10 A • at 20 V rade value 10 A • at 20 V rade value 0.15 A oportional current at DC-13 0 A • at 60 V rade value 2 A	Auxiliary circuit	
contact 0A operational current at AC-12 maximum 10 A e at 230 V rated value 6 A • at 400 V rated value 2 A • at 600 V rated value 1 A operational current at AC-12 1 A • at 600 V rated value 1 A operational current at AC-12 1 A • at 60 V rated value 6 A • at 60 V rated value 7 A • at 60 V rated value 7 A • at 60 V rated value 7 A • at 200 V rated value 0.15 A operational current at DC-13 1 A • at 20 V rated value 0.15 A operational current at DC-13 1 A • at 60 V rated value 0.15 A operational current at DC-13 1 A • at 60 V rated value 0.16 A • at 60 V rated value 0.9 A • at 60 V rated value 0.9 A • at 60 V rated value 0.1 A • at 60 V rated value 240 A • at 60 V rated val		2
operational current at AC-15 at 230 V rated value A at 500 V rated value A at 600 V rated value A A		2
• at 230 V rated value 6 A • at 450 V rated value 3 A • at 650 V rated value 1 A oporational current at DC-12 • • at 44 V rated value 10 A • at 42 V rated value 6 A • at 42 V rated value 6 A • at 42 V rated value 6 A • at 10 V rated value 6 A • at 110 V rated value 7 A • at 220 V rated value 10 A • at 60 V rated value 0 A • at 60 V rated value 0 A • at 60 V rated value 0 A • at 125 V rated value 0 A • at 120 V rated value 0 A • at 60 V rated value 20 A • at 125 V rated value 0 A • at 220 V rated value 0 A • at 60 V rated value 20 A	operational current at AC-12 maximum	10 A
• at 400 V rated value 3 A • at 600 V rated value 2 A • at 600 V rated value 1 A operational current at DC-12 1 A • at 44 V rated value 6 A • at 44 V rated value 6 A • at 42 V rated value 6 A • at 10 V rated value 3 A • at 220 V rated value 3 A • at 220 V rated value 1 A • at 60 V rated value 2 A • at 220 V rated value 0.1 A • at 220 V rated value 0.1 A • at 60 V rated value 2 A • at 24 V rated value 0.1 A • at 42 V rated value 2 A • at 10 V rated value 2 A • at 10 V rated value 2 A • at 24 V rated value 0.3 A • at 125 V rated value 0.3 A • at 200 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) Ut/CSA ratings Tulload current (PLA) for 3-phase AC motor • at 200 V rated value 240 A • at 200 V rated value 240 A • at 600 V	operational current at AC-15	
• at 500 V rated value 2 A • at 600 V rated value 1 A operational current at DC-12 0 • at 24 V rated value 6 A • at 48 V rated value 6 A • at 100 V rated value 6 A • at 25 V rated value 3 A • at 25 V rated value 3 A • at 260 V rated value 0.15 A operational current at DC-13 0.15 A • at 260 V rated value 0.15 A operational current at DC-13 0.15 A • at 260 V rated value 0.16 A • at 42 V rated value 0.16 A • at 42 V rated value 0.16 A • at 600 V rated value 2 A • at 10 V rated value 0.1 A • at 110 V rated value 0.1 A • at 200 V rated value 0.2 A • at 600 V rated value 240 A • at 200 V rated value 240 A • at 420 V rated value 240 A	• at 230 V rated value	6 A
• at 680 V rated value 1 A operational current at DC-12 10 A • at 24 V rated value 6 A • at 60 V rated value 6 A • at 60 V rated value 6 A • at 100 V rated value 3 A • at 1125 V rated value 2 A • at 220 V rated value 0.15 A operational current at DC-13 10 A • at 24 V rated value 0.15 A operational current at DC-13 10 A • at 24 V rated value 2 A • at 100 V rated value 2 A • at 24 V rated value 2 A • at 26 V rated value 0.15 A operational current at DC-13 10 A • at 24 V rated value 2 A • at 100 V rated value 2 A • at 100 V rated value 0.9 A • at 100 V rated value 0.1 A • at 200 V rated value 0.1 A • at 200 V rated value 240 A • at 600 V rated value 240 A • at 600 V rated value 240 A • at 600 V rated value 200 A • at	• at 400 V rated value	3 A
operational current at DC-12 10 A • at 24 V rated value 10 A • at 48 V rated value 6 A • at 60 V rated value 3 A • at 22 V rated value 1 A • at 600 V rated value 0.15 A operational current at DC-13 0.15 A • at 24 V rated value 10 A • at 24 V rated value 0.15 A operational current at DC-13 0.15 A • at 24 V rated value 1 A • at 24 V rated value 2 A • at 30 V rated value 2 A • at 10 V rated value 1 A • at 20 V rated value 0.9 A • at 10 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 11/1 Add current (FLA) for 3-phase AC motor • at 600 V rated value 240 A • at 600 V rated value 250 hp - at 220/220 V rated value 200 hp - at 220/220 V rated value 250 hp	• at 500 V rated value	2 A
• at 24 V rated value 10 A • at 60 V rated value 6 A • at 10 V rated value 3 A • at 125 V rated value 3 A • at 2124 V rated value 1 A • at 600 V rated value 0.15 A operational current at DC-13 0.15 A • at 24 V rated value 0.15 A operational current at DC-13 0.15 A • at 24 V rated value 2 A • at 24 V rated value 2 A • at 30 V rated value 2 A • at 30 V rated value 2 A • at 30 V rated value 0.9 A • at 25 V rated value 0.3 A • at 300 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 242 A full-load current (FLA) for 3-phase AC motor 4 at 600 V rated value • at 400 V rated value 240 A • at 600 V rated value 240 A • at 600 V rated value 240 A • at 20028 V rated value 250 hp - at 200208 V rated value 250 hp - at 202020 V rated value 250 hp - at 202020 V rated value 250 hp - at 575/600 V rated value 250 hp - at 575/600 V rated value <	• at 690 V rated value	1 A
• at 48 V rated value 6 A • at 60 V rated value 6 A • at 110 V rated value 3 A • at 122 V rated value 2 A • at 220 V rated value 0.15 A operational current at DC-13	operational current at DC-12	
• at 60 V rated value 6 A • at 110 V rated value 3 A • at 125 V rated value 2 A • at 220 V rated value 1 A • at 600 V rated value 0.15 A operational current at DC-13 10 A • at 40 V rated value 2 A • at 10 V rated value 2 A • at 10 V rated value 2 A • at 110 V rated value 0.9 A • at 110 V rated value 0.9 A • at 110 V rated value 0.1 A • at 220 V rated value 0.3 A • at 800 V rated value 0.1 A • at 800 V rated value 0.1 A • at 800 V rated value 0.1 A • at 800 V rated value 240 A • at 600 V rated value 240 A • at 600 V rated value 240 A • at 800 V rated value 240 A • at 800 V rated value 240 A • at 600 V rated value 240 A • at 202/230 V rated value 240 A • at 202/230 V rated value 250 hp - at 202/230 V rated value 250 hp - at 460/480 V rated value 250 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection gG: 400 A (690 V, 100 kA) • fo	• at 24 V rated value	10 A
• at 110 V rated value 3 A • at 220 V rated value 2 A • at 220 V rated value 0.15 A operational current at DC-13 0 A • at 630 V rated value 0.16 A • at 64 V rated value 2 A • at 60 V rated value 0.3 A • at 220 V rated value 0.3 A • at 200 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) U/CSA ratings U/CSA rated value • at 600 V rated value 242 A • at 600 V rated value 250 hp - at 200/208 V rated value 250 hp - at 675/600 V rated value 260 A (690 V, 100 kA) - with type of coordination 1 required gG: 500 A (690 V, 100 kA) - with ty	• at 48 V rated value	6 A
• at 125 V rated value 2 A • at 220 V rated value 1 A • at 600 V rated value 0.15 A operational current at DC-13 10 A • at 24 V rated value 10 A • at 46 V rated value 2 A • at 60 V rated value 2 A • at 10 V rated value 1 A • at 10 V rated value 0.9 A • at 10 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 1 full-load current (FLA) for 3-phase AC motor 44 40 V rated value • at 600 V rated value 240 A • at 600 V rated value 200 A • at 600 V rated value 200 A • at 600 V rated value 200 hp - at 200/208 V rated value 200 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit - with type of coordination 1 required	• at 60 V rated value	6 A
• at 220 V rated value 1 A • at 600 V rated value 0.15 A operational current at DC-13	• at 110 V rated value	3 A
• at 600 V rated value 0.15 Å operational current at DC-13 10 Å • at 24 V rated value 10 Å • at 48 V rated value 2 Å • at 60 V rated value 2 Å • at 10 V rated value 2 Å • at 10 V rated value 0.3 Å • at 220 V rated value 0.3 Å • at 220 V rated value 0.1 Å • at 220 V rated value 0.1 Å • at 600 V rated value 0.1 Å contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 1 full-load current (FLA) for 3-phase AC motor 240 Å • at 800 V rated value 240 Å • at 600 V rated value 240 Å • at 600 V rated value 240 Å • at 800 V rated value 200 Å • of a 3-phase AC motor - - at 20/208 V rated value 200 hp - at 20/208 V rated value 200 hp - at 220/230 V rated value 250 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit - - with type of	 at 125 V rated value 	2 A
operational current at DC-13 10 A • at 24 V rated value 10 A • at 48 V rated value 2 A • at 60 V rated value 2 A • at 10 V rated value 1 A • at 125 V rated value 0.9 A • at 220 V rated value 0.3 A • at 60 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 1 full-load current (FLA) for 3-phase AC motor 4 480 V rated value • at 4800 V rated value 240 A • at 4800 V rated value 242 A yleided mechanical performance [hp] • for 3-phase AC motor • at 220/230 V rated value 200 hp - at 220/230 V rated value 200 hp - at 220/230 V rated value 200 hp - at 65/600 V rated value 200 hp - at 67/600 V rated value 200 hp - at 67/600 V rated value 250 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection gG: 500 A (690 V, 100 kA) design of the fuse link GG: 500 A (690 V, 100 kA), ak: 315 A (690 V, 50 kA), BS88: 400 A	 at 220 V rated value 	1A
operational current at DC-13 10 A • at 24 V rated value 10 A • at 48 V rated value 2 A • at 60 V rated value 1 A • at 10 V rated value 1 A • at 125 V rated value 0.9 A • at 220 V rated value 0.3 A • at 60 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 1 full-load current (FLA) for 3-phase AC motor 4480 V rated value • at 480 V rated value 240 A • at 480 V rated value 200 hp - at 220/230 V rated value 250 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection 4604 (90 V rated value • for short-circuit protection of the main circuit G: 500 A (690 V, 100 kA) • of short-circuit protection of the main circuit G: 500 A (690 V, 100 kA), aM: 3	 at 600 V rated value 	0.15 A
• at 24 V rated value 10 A • at 48 V rated value 2 A • at 60 V rated value 2 A • at 110 V rated value 1 A • at 125 V rated value 0.9 A • at 220 V rated value 0.3 A • at 200 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 1 full-load current (FLA) for 3-phase AC motor 240 A • at 600 V rated value 240 A • at 480 V rated value 240 A • at 480 V rated value 240 A • at 600 V rated value 240 A • at 600 V rated value 240 A • at 200/280 V rated value 75 hp - at 200/280 V rated value 250 hp contact rating of auxiliary contacts according to UL A600 / Q600 Shortircuit protection of the main circuit 96: 500 A (690 V, 100 kA) · at 500 right fuse link 6r short-circuit protection of the main circuit - with type of assignment 2 r	operational current at DC-13	
• at 48 V rated value 2 A • at 60 V rated value 2 A • at 110 V rated value 1 A • at 125 V rated value 0.9 A • at 220 V rated value 0.3 A • at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings	•	10 A
• at 60 V rated value 2 A • at 110 V rated value 1 A • at 125 V rated value 0.9 A • at 220 V rated value 0.3 A • at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 1 full-load current (FLA) for 3-phase AC motor 44 80 V rated value • at 600 V rated value 240 A • at 600 V rated value 240 A • at 600 V rated value 242 A yielded mechanical performance [hp] • for 3-phase AC motor • at 200/208 V rated value 75 hp - at 200/208 V rated value 100 hp - at 200/208 V rated value 250 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection g6: 500 A (690 V, 100 kA) design of the fuse link • for short-circuit protection of the main circuit • for short-circuit protection of the main circuit - with type of assignment 2 required · for short-circuit protection of the main circuit - with type of assignment 2 required · for short-circuit protection of the auxiliary switch required g6: 400 A (690 V, 100 kA), aM:	at 48 V rated value	
• at 110 V rated value 1 A • at 125 V rated value 0.9 A • at 220 V rated value 0.3 A • at 600 V rated value 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 240 A • at 600 V rated value 242 A yielded mechanical performance [hp] • for 3-phase AC motor - at 200/208 V rated value 75 hp - at 200/208 V rated value 200 hp - at 200/208 V rated value 200 hp - at 3575/600 V rated value 200 hp - at 460/480 V rated value 200 hp - at 575/600 V rated value 250 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection gG: 500 A (690 V, 100 kA) - with type of coordination 1 required gG: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA) • for short-circuit protection of the main circuit - with type of coordination 1 required - for short-circuit protection of the auxiliary switch required gG: 100 A (690 V, 100 kA), aM: 315 A (690 V,	at 60 V rated value	2 A
• at 125 V rated value 0.9 Å • at 220 V rated value 0.3 Å • at 600 V rated value 0.1 Å contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mÅ) UL/CSA ratings 1 full-load current (FLA) for 3-phase AC motor 240 Å • at 480 V rated value 242 Å yielded mechanical performance [hp] - • for 3-phase AC motor - - at 200/208 V rated value 240 Å - at 200/208 V rated value 75 hp - at 220/230 V rated value 200 hp - at 460/480 V rated value 200 hp - at 675/600 V rated value 250 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: 500 A (690 V, 100 kA) - with type of assignment 2 required gG: 0.0 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions		
• at 220 V rated value 0.3 A • at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings		
• at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 240 A • at 600 V rated value 242 A yielded mechanical performance [hp] • for 3-phase AC motor - at 200/208 V rated value 75 hp - at 200/208 V rated value 100 hp - at 460/480 V rated value 250 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required gG: 500 A (690 V, 100 kA) - with type of assignment 2 required gG: 10 A (690 V, 100 kA) - with type of assignment 2 required gG: 10 A (690 V, 100 kA) - with type of assignment 2 required gG: 10 A (690 V, 100 kA) - with type of assignment 2 required gG: 10 A (690 V, 100 kA) - with type of postion gG: 10 A (690 V, 100 kA) - with type of postion of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertica		
contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 240 A • at 600 V rated value 242 A yielded mechanical performance [hp] • • for 3-phase AC motor - - at 200/208 V rated value 75 hp - at 220/230 V rated value 100 hp - at 460/480 V rated value 200 hp - at 460/480 V rated value 250 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: 500 A (690 V, 100 kA) - with type of assignment 2 required gG: 10 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-20° rotatable, with vertical mounting surface +/-		
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 240 A • at 600 V rated value 242 A yielded mechanical performance [hp] • for 3-phase AC motor - at 200/208 V rated value 75 hp - at 220/230 V rated value 100 hp - at 460/480 V rated value 200 hp - at 575/600 V rated value 250 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 - with type of assignment 2 required gG: 500 A (690 V, 100 kA) - with type of assignment 2 required gG: 100 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back		
full-load current (FLA) for 3-phase AC motor 240 A • at 480 V rated value 242 A yielded mechanical performance [hp] 6 for 3-phase AC motor - at 200/208 V rated value 75 hp - at 220/230 V rated value 100 hp - at 460/480 V rated value 200 hp - at 575/600 V rated value 250 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection 4600 / Q600 design of the fuse link 9 G: 500 A (690 V, 100 kA) - with type of coordination 1 required gG: 500 A (690 V, 100 kA) - with type of assignment 2 required gG: 400 A (690 V, 100 kA) - with type of assignment 2 required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-20° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back		r laury switching per 100 million (17 V, ThiA)
• at 480 V rated value 240 A • at 600 V rated value 242 A yielded mechanical performance [hp] • for 3-phase AC motor - at 200/208 V rated value 75 hp - at 220/230 V rated value 100 hp - at 460/480 V rated value 200 hp - at 575/600 V rated value 250 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection 4600 / Q600 design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 500 A (690 V, 100 kA) - with type of assignment 2 required kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 10 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-20° rotatable, with vertical mounting sur		
• at 600 V rated value 242 A yielded mechanical performance [hp] • for 3-phase AC motor - at 200/208 V rated value 75 hp - at 200/208 V rated value 100 hp - at 200/208 V rated value 200 hp - at 460/480 V rated value 200 hp - at 575/600 V rated value 250 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection GG: 500 A (690 V, 100 kA) - with type of coordination 1 required gG: 500 A (690 V, 100 kA) - with type of assignment 2 required gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back		240 A
yielded mechanical performance [hp] • for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 220/230 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rated value 250 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 with type of assignment 2 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required with type of assignment 2 required bor short-circuit protection of the auxiliary switch required at 2.5° tiltable to the front and back		
• for 3-phase AC motor 75 hp - at 200/208 V rated value 75 hp - at 220/230 V rated value 100 hp - at 460/480 V rated value 200 hp - at 575/600 V rated value 250 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection 460/480 V, rated value design of the fuse link 6 for short-circuit protection of the main circuit - with type of coordination 1 required gG: 500 A (690 V, 100 kA) - with type of assignment 2 required gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface ±/-90° rotatable, with vertical mounting surface ±/-90° rotatable, with vertical mounting surface ±/-22.5° tiltable to the front and back		242 M
		75 hz
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		
Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required gG: 500 A (690 V, 100 kA) — with type of assignment 2 required gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 100 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back		
design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required gG: 500 A (690 V, 100 kA) with type of assignment 2 required gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA) for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back 		A600 / Q600
for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required — with type of assignment 2 required G: 500 A (690 V, 100 kA) G: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA) e for short-circuit protection of the auxiliary switch required G: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical m		
with type of coordination 1 required gG: 500 A (690 V, 100 kA) with type of assignment 2 required gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surfac	-	
— with type of assignment 2 required gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back		
• for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back		
Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back	— with type of assignment 2 required	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)
mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back		gG: 10 A (500 V, 1 kA)
+/- 22.5° tiltable to the front and back	Installation/ mounting/ dimensions	
fastaning method	mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
rastering metrod Sulew Ikiliy	fastening method	screw fixing

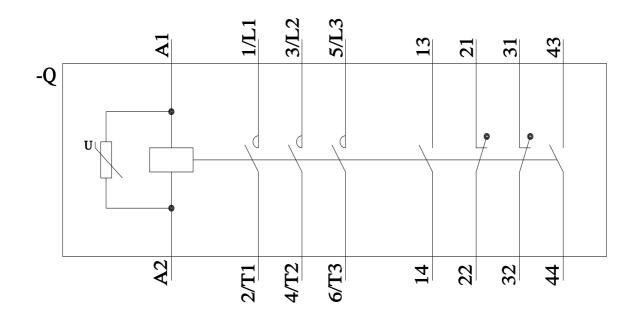
height	210 mm
width	145 mm
depth	202 mm
required spacing	
 with side-by-side mounting 	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
for grounded parts	
— forwards	20 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
for live parts	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
onnections/ Terminals	
type of electrical connection	
 for main current circuit 	Connection bar
 for auxiliary and control circuit 	screw-type terminals
 at contactor for auxiliary contacts 	Screw-type terminals
 of magnet coil 	Screw-type terminals
width of connection bar	25 mm
thickness of connection bar	6 mm
diameter of holes	11 mm
number of holes	1
type of connectable conductor cross-sections	
 for AWG cables for main contacts 	2/0 500 kcmil
connectable conductor cross-section for main contacts	
stranded	70 240 mm²
connectable conductor cross-section for auxiliary contacts	
solid or stranded	0.5 4 mm²
 finely stranded with core end processing 	0.5 2.5 mm²
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)
— solid or stranded	2x (0.5 1,5 mm ²), 2x (0.75 2,5 mm ²), max. 2x (0.75 4 mm ²)
— finely stranded with core end processing	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)
for AWG cables for auxiliary contacts	2x (20 16), 2x (18 14), 1x 12
AWG number as coded connectable conductor cross section	
for auxiliary contacts	18 14
afety related data	
product function	
mirror contact according to IEC 60947-4-1	Yes
-	No
positively driven operation according to IEC 60947-5-1	
suitability for use safety-related switching OFF	Yes; applies only to contactor operating mechanism
B10 value with high demand rate according to SN 31920	1 000 000
IEC 61508	
T1 value	
 for proof test interval or service life according to IEC 61508 	20 a
Electrical Safety	ID00: ID20 with how terminal/actuar
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529	IP00; IP20 with box terminal/cover
TOUCH PROTECTION ON THE TRONT ACCORDING TO IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover
pprovals Certificates	

(SP) CM	CE EG-Konf.	UK CA	<u>Confirmation</u>		(UL) JL
General Product App	proval	EMV	Functional Saftey	Test Certificates	
KC	EHC	RCM	<u>Type Examination Cer-</u> <u>tificate</u>	Special Test Certific- ate	<u>Type Test Certific-</u> ates/Test Report
Test Certificates	Marine / Shipping				
<u>Miscellaneous</u>	ABS		Lloyd's Register	PRS	RMRS R
other				Railway	Environment
<u>Confirmation</u>	<u>Miscellaneous</u>	<u>Confirmation</u>	<u>Miscellaneous</u>	Special Test Certific- ate	EPD
Environment Environmental Con- firmations					
Further information					
https://support.industry Information- and Dow https://www.siemens.cc Industry Mall (Online https://mall.industry.sie Cax online generator http://support.automati Service&Support (Ma https://support.industry Image database (proo http://www.automation Characteristic: Trippi https://support.industry Further characteristic	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=3RT1065-6AP36 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1065-6AP36 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-6AP36 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/cs/ww/en/ps/3RT1065-6AP36 Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-6AP36/char Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1065-6AP36&objecttype=14&gridview=view1				









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