SIEMENS

Data sheet 3RT1275-6NF36



vacuum contactor AC-3e/AC-3 400 A, 200 kW / 400 V, 3-pole, Uc: 96-127 V AC(50-60 Hz) / DC PLC input 24 V DC drive: electronic auxiliary contacts 2 NO + 2 NC main circuit: busbar control and auxiliary circuit: screw terminal

product brand name	SIRIUS
product designation	Vacuum contactor
product type designation	3RT12
General technical data	
size of contactor	S12
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 	63 W
 at AC in hot operating state per pole 	21 W
 without load current share typical 	3.6 W
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
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 %

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	1 000 V
at AC-1 at 400 V at ambient temperature 40 °C rated value	610 A
• at AC-1	
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	610 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	550 A
— up to 1000 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	610 A
— up to 1000 V at ambient temperature 60 °C rated value	550 A
• at AC-3	
— at 400 V rated value	400 A
— at 500 V rated value	400 A
— at 690 V rated value	400 A
— at 1000 V rated value	400 A
• at AC-3e	
— at 400 V rated value	400 A
— at 500 V rated value	400 A
— at 690 V rated value	400 A
— at 1000 V rated value	400 A
• at AC-4 at 400 V rated value	350 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	400 A
— up to 400 V for current peak value n=20 rated value	400 A
— up to 500 V for current peak value n=20 rated value	400 A
— up to 690 V for current peak value n=20 rated value	400 A
— up to 1000 V for current peak value n=20 rated value	400 A
• at AC-6a	
 up to 230 V for current peak value n=30 rated value 	293 A
 up to 400 V for current peak value n=30 rated value 	293 A
 up to 500 V for current peak value n=30 rated value 	293 A
 up to 690 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated 	293 A 293 A
value ninimum cross-section in main circuit at maximum AC-1 rated ralue	370 mm²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	175 A
at 690 V rated value	175 A
pperating power	
• at AC-3	
— at 230 V rated value	132 kW
— at 400 V rated value	200 kW
— at 500 V rated value	250 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	560 kW
• at AC-3e	
— at 230 V rated value	132 kW
— at 400 V rated value	200 kW
— at 500 V rated value	250 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	560 kW
at 1000 T latest fulled	

• at 690 V rated value operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value oup to 1000 V for current peak value n=30 rated value **To 000 VA** **To 000 VA** **To 1000 1/h ot 1000 1/h	1400 1/4 1/4 1/4	00.111/
operating apparent power at AC-Ea	at 400 V rated value	98 kW
1		1/2 kW
*** up to 400 V for current peak value n=20 rated value		
• up to 500 V for current peak value = 20 rated value	·	150 000 kVA
• up to 1800 V for current peak value ==20 rated value		270 000 VA
# up to 1000 V for current peak value n=20 rated value operating apparent power at AC-5a	 up to 500 V for current peak value n=20 rated value 	340 000 VA
operating apparent power at AC-6a	 up to 690 V for current peak value n=20 rated value 	470 000 VA
• up to 230 V for current peak value n=30 rated value 200 000 VA	up to 1000 V for current peak value n=20 rated value	690 000 VA
■ up to 400 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 1000 V for current peak value n=30 rated value ■ up to 1000 V for current peak value n=30 rated value ■ n=10C 1 000 1th ■ n=10C 1 1000 1th ■ n=10C 1 1000 1th ■ n=10C 0 1000 V for current peak value n=30 rated value ■ n=10C 1 1000 1th □ n=10C 0 1 1000 1th 0	operating apparent power at AC-6a	
	 up to 230 V for current peak value n=30 rated value 	110 000 VA
	 up to 400 V for current peak value n=30 rated value 	200 000 VA
• ∪ pto 10000 V for current peak value n=30 rated value no-load switching frequency • at ACC • at DC • at DC • at DC • at ACC-1 maximum • at ACC-3 maximum • at ACC-4 maximum • at ACC	 up to 500 V for current peak value n=30 rated value 	250 000 VA
March Marc	 up to 690 V for current peak value n=30 rated value 	350 000 VA
• at AC	up to 1000 V for current peak value n=30 rated value	500 000 VA
• at DC operating frequency • at AC-2 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at BC Hz rated value • at 60 Hz rated value • at 60 Hz rated value • at 60 Hz value • at 60 Hz • at 60	no-load switching frequency	
Operating frequency	• at AC	1 000 1/h
	• at DC	1 000 1/h
	operating frequency	
	• at AC-1 maximum	700 1/h
• at AC-3e maximum 750 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 • at 50 Hz rated value 96 127 V • at 60 Hz rated value 96 127 V control supply voltage at DC • at 64 value • rated value 96 127 V operating range factor control supply voltage rated value of magnet coil at DC • Initial value 0.8 • Initial valu	• at AC-2 maximum	250 1/h
• at AC-4 maximum Control circuit/ Control Type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value • p6 127 V control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • at 50 Hz • at 60 H	• at AC-3 maximum	750 1/h
Control circuit/ Control Control supply voltage of the control supply voltage AC/DC control supply voltage at AC 4 60 Hz rated value 96 127 V e at 50 Hz rated value 96 127 V control supply voltage at DC 1 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at DC 1 127 V operating range factor control supply voltage rated value of magnet coil at AC 0.8 o at 50 Hz 0.8 1.1 operating range factor of the voltage at PLC-control input according to IEC 60947-1 7ppe 2 consumed current at PLC-control input according to IEC 60947-1 20 mA operating range factor of the voltage at PLC-control input according to IEC 60947-1 20 mA design of the surge suppressor with varistor apparent pick-up-were of magnet coil at AC at 50 Hz	• at AC-3e maximum	750 1/h
Control circuit/ Control Control cybe type of voltage of the control supply voltage at AC at 50 Hz rated value 96 127 V e at 50 Hz rated value 96 127 V control supply voltage at DC 127 V e rated value 96 127 V operating range factor control supply voltage rated value of magnet coil at DC 127 V operating range factor control supply voltage rated value of magnet coil at AC 0.8 e full-scale value 0.8 operating range factor control supply voltage rated value of magnet coil at AC 0.8 1.1 e at 50 Hz 0.8 1.1 e at 50 Hz 0.8 1.1 e at 50 Hz 0.8 1.1 consumed current at PLC-control input according to IEC 69947-1 Type 2 consumed current at PLC-control input according to IEC 69947-1 20 mA extraction of the voltage at PLC-control input according to IEC 69947-1 20 mA operating range factor of the voltage at PLC-control input according to IEC 69947-1 20 mA design of the surge suppressor with variation apparent pick-up power of magnet coil at AC at 50 Hz 50 VA at 50 Hz 0.8	• at AC-4 maximum	250 1/h
control supply voltage at AC 96 127 V • at 60 Hz rated value 96 127 V control supply voltage at DC • rated value • perating range factor control supply voltage rated value of magnet coll at DC 0.8 • initial value 0.8 • at 50 Hz 0.8 1.1 • at 50 Hz 0.8 1.1 • at 60 Hz 0.8 1.1 type of PLC-control input according to IEC 60947-1 Type 2 consumed current at PLC-control input according to IEC 60947-1 Type 2 consumed current at PLC-control input rated value of poperating range factor of the voltage at PLC-control input of the voltage of	Control circuit/ Control	
control supply voltage at AC 96 127 V • at 60 Hz rated value 96 127 V control supply voltage at DC • rated value • perating range factor control supply voltage rated value of magnet coll at DC 0.8 • initial value 0.8 • at 50 Hz 0.8 1.1 • at 50 Hz 0.8 1.1 • at 60 Hz 0.8 1.1 type of PLC-control input according to IEC 60947-1 Type 2 consumed current at PLC-control input according to IEC 60947-1 Type 2 consumed current at PLC-control input rated value of poperating range factor of the voltage at PLC-control input of the voltage of	type of voltage of the control supply voltage	AC/DC
■ at 50 Hz rated value ■ at 60 Hz rated value ■ care value ■ at 60 Hz rated value ■ care value □ ca		
• at 60 Hz rated value 96 127 V control supply voltage at DC 96 127 V • rated value 96 127 V opparating range factor control supply voltage rated value of magnet coil at DC 1.1 • initial value 0.8 • full-scale value 1.1 opparating range factor control supply voltage rated value of magnet coil at AC 1.1 • at 50 Hz 0.8 1.1 • at 60 Hz 0.8 1.1 • type of PLC-control input according to IEC 69947-1 20 mA consumed current at PLC-control input according to IEC 69947-1 20 mA voltage at PLC-control input rated value 24 V operating range factor of the voltage at PLC-control input decording to IEC 69947-1 20 mA design of the surge suppressor with varistor apparent pick-up power of magnet coil at AC 750 VA • at 50 Hz 750 VA • at 50 Hz 0.8 • at 50 Hz 0.8 • at 50 Hz 9 VA • at 50 Hz 9 VA • at 50 Hz 9 VA • at 50 Hz 0.4 • at 50 Hz		96 127 V
control supply voltage at DC		
operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value 0.8 - full-scale value 0.8 - full-scale value 0.8 - full-scale value 0.8 - initial value initial value initial value 0.8 - initial value 1.1 0.8 - initial value initial value initial value 0.8 - initial value initial value 0.8 - initial value 20 - initial value 0.8 - initial val		
operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz type of PLC-control input according to IEC 60947-1 type of PLC-control input according to IEC 60947-1 type of PLC-control input according to IEC 60947-1 type 2 20 mA voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input design of the surge suppressor apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz • at		96 127 V
• full-scale value 1.1	operating range factor control supply voltage rated value of	- CO 121 V
operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz type of PLC-control input according to IEC 60947-1 type 2 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC 60947-1 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC 60947-1 consumed curren	• initial value	0.8
magnet coll at AC 0.8 1.1 at 50 Hz 0.8 1.1 type of PLC-control input according to IEC 60947-1 Type 2 consumed current at PLC-control input according to IEC 60947-1 maximum 20 mA voltage at PLC-control input rated value 24 V operating range factor of the voltage at PLC-control input design of the surge suppressor with varistor apparent pick-up power of magnet coil at AC *** * at 50 Hz 750 VA * at 60 Hz 0.8 * at 60 Hz 0.8 * at 60 Hz 0.8 * at 60 Hz 9 VA * at 60 Hz 0.4 * at 60 Hz 0.6 * at 60 Hz 0.6	• full-scale value	1.1
type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input design of the surge suppressor apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz (losing power of magnet coil at DC holding power of magnet coil at DC closing delay • at AC • at DC • at DC at AC • at DC	● at 50 Hz	0.8 1.1
consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value 24 V operating range factor of the voltage at PLC-control input 0.8 1.1 design of the surge suppressor with varistor apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz o at 50 Hz • at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at AC • at DC • at	• at 60 Hz	0.8 1.1
60947-1 maximum voltage at PLC-control input rated value 24 V operating range factor of the voltage at PLC-control input 0.8 1.1 design of the surge suppressor with varistor apparent pick-up power of magnet coil at AC 750 VA • at 50 Hz 750 VA • at 60 Hz 0.8 inductive power factor with closing power of the coil 0.8 • at 50 Hz 0.8 • at 50 Hz 9 VA • at 60 Hz 9 VA inductive power factor with the holding power of the coil 9 VA • at 50 Hz 9 VA • at 60 Hz 0.4 • at 60 Hz 0.4 • at 60 Hz 0.4 closing power of magnet coil at DC 800 W holding power of magnet coil at DC 3.6 W closing delay at AC • at DC 60 90 ms	type of PLC-control input according to IEC 60947-1	Type 2
operating range factor of the voltage at PLC-control input design of the surge suppressor apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz 0.8 • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 50 Hz • at 50 Hz • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC so W closing delay • at AC • at CO • at DC		20 mA
design of the surge suppressor apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at AC • at CO • at DC • at	voltage at PLC-control input rated value	24 V
apparent pick-up power of magnet coil at AC	operating range factor of the voltage at PLC-control input	0.8 1.1
■ at 50 Hz ■ at 60 Hz 750 VA inductive power factor with closing power of the coil ■ at 50 Hz ■ at 60 Hz 0.8 apparent holding power of magnet coil at AC ■ at 50 Hz ■ at 60 Hz 9 VA ■ at 60 Hz 1 Muctive power factor with the holding power of the coil ■ at 50 Hz ■ at 50 Hz ■ at 60 Hz 0.4 ■ at 50 Hz ■ at 60 Hz 0.4 0.4 closing power of magnet coil at DC holding power of magnet coil at DC holding power of magnet coil at DC closing delay ■ at AC ■ at DC 60 90 ms 60 90 ms	design of the surge suppressor	with varistor
■ at 60 Hz inductive power factor with closing power of the coil ■ at 50 Hz ■ at 60 Hz apparent holding power of magnet coil at AC ■ at 50 Hz ■ at 60 Hz 9 VA at 60 Hz inductive power factor with the holding power of the coil ■ at 50 Hz ■ at 60 Hz 0.4 closing power of magnet coil at DC holding power of magnet coil at DC closing delay ● at AC ● at DC 60 90 ms	apparent pick-up power of magnet coil at AC	
inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz 9 VA at 60 Hz 9 VA inductive power factor with the holding power of the coil at 50 Hz at 50 Hz 0.4 closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at 50 90 ms 60 90 ms	● at 50 Hz	750 VA
■ at 50 Hz ■ at 60 Hz ■ at 60 Hz apparent holding power of magnet coil at AC ■ at 50 Hz ■ at 60 Hz ■ at 60 Hz inductive power factor with the holding power of the coil ■ at 50 Hz ■ at 60 Hz □ at 60 Hz Closing power of magnet coil at DC holding power of magnet coil at DC closing delay ● at AC ● at DC □ at 50 90 ms ○ at DC □ at 50 90 ms	● at 60 Hz	750 VA
apparent holding power of magnet coil at AC at 50 Hz at 60 Hz at 60 Hz by VA inductive power factor with the holding power of the coil at 50 Hz at 60 Hz by VA 0.4 closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC 60 90 ms 60 90 ms	inductive power factor with closing power of the coil	
apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz • at 60 Hz Closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at AC • at DC 60 90 ms • at DC	● at 50 Hz	0.8
 at 50 Hz at 60 Hz 9 VA inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.4 closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC 60 90 ms at DC 	• at 60 Hz	0.8
at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.4 closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC 60 90 ms 60 90 ms	apparent holding power of magnet coil at AC	
inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at AC • at DC 60 90 ms 60 90 ms	● at 50 Hz	9 VA
	• at 60 Hz	9 VA
• at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at AC • at DC 60 90 ms 60 90 ms	inductive power factor with the holding power of the coil	
closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at AC • at DC 60 90 ms 60 90 ms	● at 50 Hz	0.4
holding power of magnet coil at DC closing delay • at AC • at DC 60 90 ms 60 90 ms	• at 60 Hz	0.4
closing delay ● at AC 60 90 ms ● at DC 60 90 ms	closing power of magnet coil at DC	800 W
• at AC 60 90 ms • at DC 60 90 ms	holding power of magnet coil at DC	3.6 W
• at DC 60 90 ms	closing delay	
	• at AC	60 90 ms
opening delay	• at DC	60 90 ms
	opening delay	

• at AC	80 100 ms		
• at DC	80 100 ms 80 100 ms		
arcing time	10 15 ms		
control version of the switch operating mechanism	PLC-IN or Standard A1 - A2 (adjustable)		
Auxiliary circuit	(Aujanana)		
number of NC contacts for auxiliary contacts instantaneous contact	2		
number of NO contacts for auxiliary contacts instantaneous contact	2		
operational current at AC-12 maximum	10 A		
operational current at AC-15			
at 230 V rated value	6 A		
at 400 V rated value	3 A		
at 500 V rated value	2 A		
at 690 V rated value	1 A		
operational current at DC-12			
 at 24 V rated value 	10 A		
at 48 V rated value	6 A		
 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			
 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 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 	361 A		
at 600 V rated value	382 A		
yielded mechanical performance [hp]			
 for 3-phase AC motor 			
— at 200/208 V rated value	125 hp		
 — at 220/230 V rated value 	150 hp		
 — at 460/480 V rated value 	300 hp		
— at 575/600 V rated value	400 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: 800 A (690 V, 100 kA)		
— with type of assignment 2 required	gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA)		
for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)		
Installation/ mounting/ dimensions			
mounting position	+/-22,5° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal mounting surface		
fastening method	screw fixing		
side-by-side mounting	Yes		
height	214 mm		
width	160 mm		
depth	225 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		
Connections/ 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		
connectable conductor cross-section for main contacts			
• stranded	70 240 mm²		
connectable conductor cross-section for auxiliary contacts			
 solid or stranded 	0.5 4 mm ²		
 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 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)		
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
 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		
Safety related data			
product function			
 mirror contact according to IEC 60947-4-1 	Yes		
 positively driven operation according to IEC 60947-5-1 	No		
T1 value for proof test interval or service life according to IEC 61508	20 a		
protection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover		
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover		
suitability for use			
 safety-related switching OFF 	Yes		
Certificates/ approvals			











Functional Safety/Safety of Ma- chinery	Declaration of Conformity	Test Certificates	Marine / Shipping
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Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping

other







Confirmation

<u>Miscellaneous</u>

Confirmation

Railway

Vibration and Shock

Special Test Certific-

<u>ate</u>

Further information

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

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=3RT1275-6NF36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1275-6NF36

 ${\bf Service \& Support\ (Manuals,\ Certificates,\ Characteristics,\ FAQs,...)}$

https://support.industry.siemens.com/cs/ww/en/ps/3RT1275-6NF36

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

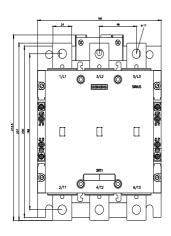
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1275-6NF36&lang=en

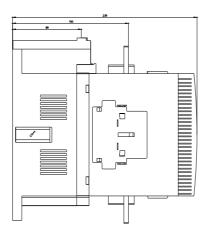
Characteristic: Tripping characteristics, I2t, Let-through current

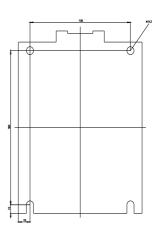
https://support.industry.siemens.com/cs/ww/en/ps/3RT1275-6NF36/char

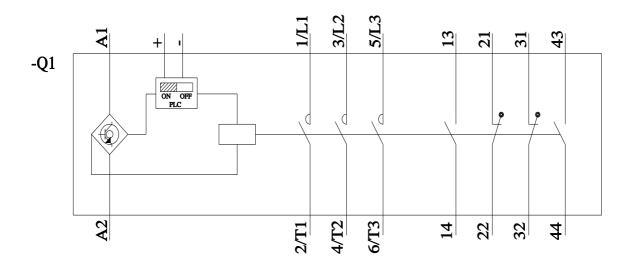
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1275-6NF36&objecttype=14&gridview=view1









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