

## Control Parts Call to Order 717-209-7100

## Data sheet

## 3RT1075-6AF36

Power contactor, AC-3 400 A, 200 kW / 400 V AC (50-60 Hz) / DC operation 110-127 V UC Auxiliary contacts 2 NO + 2 NC 3-pole, Size S12 Busbar connections Drive: conventional screw terminal



Figure similar

Product brand name	SIRIUS
Product designation	Power contactor
Product type designation	3RT1
General technical data	
Size of contactor	S12
Product extension	
<ul> <li>function module for communication</li> </ul>	No
Auxiliary switch	Yes
<ul> <li>Surge voltage resistance of main circuit rated value</li> </ul>	8 kV
<ul> <li>Impulse withstand voltage of auxiliary circuit rated value</li> </ul>	6 kV
maximum permissible voltage for safe isolation	-
<ul> <li>between coil and main contacts acc. to EN 60947-1</li> </ul>	690 V
Protection class IP	-
• on the front	IP00; IP20 on the front with cover / box terminal
• of the terminal	IP00

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 (switching cycles)				
of contactor typical	10 000 000			
<ul> <li>of the contactor with added electronics- compatible auxiliary switch block typical</li> </ul>	5 000 000			
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000			
Reference indentifier acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	К			
Ambient conditions				
Installation altitude at height above sea level				
• maximum	2 000 m			
Ambient temperature				
<ul> <li>during operation</li> </ul>	-25 +60 °C			
<ul> <li>during storage</li> </ul>	-55 +80 °C			
Main circuit				
Number of poles for main current circuit	3			
Number of NO contacts for main contacts	3			
Operating voltage				
<ul> <li>at AC-3 rated value maximum</li> </ul>	1 000 V			
Operating current				
• at AC-1 at 400 V				
— at ambient temperature 40 °C rated value	430 A			
• at AC-1				
— up to 690 V at ambient temperature 40 °C rated value	430 A			
	430 A 400 A			
rated value — up to 690 V at ambient temperature 60 °C				
rated value — up to 690 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 40 °C	400 A			
rated value — up to 690 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 40 °C rated value — up to 1000 V at ambient temperature 60 °C	400 A 200 A			
rated value — up to 690 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 40 °C rated value — up to 1000 V at ambient temperature 60 °C rated value	400 A 200 A 200 A			
rated value — up to 690 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 40 °C rated value — up to 1000 V at ambient temperature 60 °C rated value • at AC-2 at 400 V rated value	400 A 200 A 200 A			
<ul> <li>rated value</li> <li>up to 690 V at ambient temperature 60 °C rated value</li> <li>up to 1000 V at ambient temperature 40 °C rated value</li> <li>up to 1000 V at ambient temperature 60 °C rated value</li> <li>at AC-2 at 400 V rated value</li> <li>at AC-3</li> </ul>	400 A 200 A 200 A 400 A			
rated value — up to 690 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 40 °C rated value — up to 1000 V at ambient temperature 60 °C rated value • at AC-2 at 400 V rated value • at AC-3 — at 400 V rated value	400 A 200 A 200 A 400 A			

— at 1000 V rated value	180 A		
Connectable conductor cross-section in main circuit			
at AC-1			
• at 60 °C minimum permissible	240 mm <sup>2</sup>		
• at 40 °C minimum permissible	300 mm <sup>2</sup>		
Operating current for approx. 200000 operating cycles at AC-4			
• at 400 V rated value	150 A		
at 400 V rated value     at 690 V rated value	135 A		
Operating current			
• at 1 current path at DC-1			
— at 24 V rated value	400 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		
<ul> <li>with 2 current paths in series at DC-1</li> </ul>			
— at 24 V rated value	400 A		
— at 110 V rated value	400 A		
— at 220 V rated value	400 A		
— at 440 V rated value	4 A		
— at 600 V rated value	2 A		
<ul> <li>with 3 current paths in series at DC-1</li> </ul>			
— at 24 V rated value	400 A		
— at 110 V rated value	400 A		
— at 220 V rated value	400 A		
— at 440 V rated value	11 A		
— at 600 V rated value	5.2 A		
Operating current			
• at 1 current path at DC-3 at DC-5			
— at 24 V rated value	400 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		
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>			
— at 24 V rated value	400 A		
— at 110 V rated value	400 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		
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>			

— at 24 V rated value	400 A
— at 110 V rated value	400 A
— at 220 V rated value	400 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
Operating power	
• at AC-1	
— at 230 V at 60 °C rated value	151 kW
— at 400 V rated value	263 kW
— at 400 V at 60 °C rated value	263 kW
— at 690 V rated value	454 kW
— at 690 V at 60 °C rated value	454 kW
— at 1000 V at 60 °C rated value	329 kW
• at AC-2 at 400 V rated value	200 kW
• 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	250 kW
Operating power for approx. 200000 operating cycles	
at AC-4	
• at 400 V rated value	85 kW
• at 690 V rated value	133 kW
Thermal short-time current limited to 10 s	3 200 A
Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor	35 W
No-load switching frequency	
• at AC	2 000 1/h
• at DC	2 000 1/h
Operating frequency	
• at AC-1 maximum	700 1/h
• at AC-2 maximum	200 1/h
• at AC-3 maximum	500 1/h
● at AC-4 maximum	130 1/h
Control circuit/ Control	
Type of voltage of the control supply voltage Control supply voltage at AC	AC/DC
at 50 Hz rated value	110 127 V
at 60 Hz rated value	110 127 V
Control supply voltage at DC	
rated value	110 127 V

Operating range factor control supply voltage rated value or magnet coil at DC         0.8           • initial value         0.8           • Full-scale value         1.1           Operating range factor control supply voltage rated value or magnet coil at AC         0.8 1.1           • at 50 Hz         0.9           Closing power of magnet coil at DC         920 W           Holding power of magnet coil at DC         10 W           Closing delay         -           • at AC         45 100 ms           • at DC         60 100 ms           • at DC         60 100 ms           • at DC         60 100 ms           • at DC         10 15 ms		
• initial value0.8• Full-scale value1.1Operating range factor control supply voltage rated value of magnet coll at AC0.8 1.1• at 50 Hz0.8 1.1• at 60 Hz0.8 1.1Design of the surge suppressorwith variator• at 50 Hz8.0 VA• at 50 Hz0.9• at 20 Hz0.9• for auxiliary contacts2• for auxiliary contacts2• for auxiliary contacts		
• Full-scale value       1.1         Operating range factor control supply voltage rated value of magnet coil at AC       0.8 1.1         • at 50 Hz       0.8 1.1         Design of the surge suppressor       with variator         Apparent plok-up power of magnet coil at AC       0.8 1.1         • at 50 Hz       0.8 0.1         1 ductive power of magnet coil at AC       0.9         • at 50 Hz       0.9         Apparent holding power of magnet coil at AC       0.9         • at 50 Hz       0.9         Closing power of magnet coil at AC       0.9         • at 50 Hz       0.9         Closing power of magnet coil at DC       920 W         Volding power of magnet coil at DC       10 W         Closing power of magnet coil at DC       920 W         Volding power of magnet coil at DC       10 W         Closing delay       45 100 ms         • at AC       60 100 ms         • at AC       2         • for auxiliary contact       2         • for auxiliary contacts       2	-	0.8
Operating range factor control supply voltage rated value of magnet coil at AC         0.8 1.1           • at 50 Hz         0.8 1.1           Design of the surge suppressor         with variator           Apparent pick-up power of magnet coil at AC         as 30 V/A           • at 50 Hz         0.9           Apparent pick-up power of magnet coil at AC         as 30 V/A           • at 50 Hz         0.9           Apparent holding power of magnet coil at AC         as 30 V/A           • at 50 Hz         0.9           Apparent holding power of magnet coil at AC         as 30 V/A           • at 50 Hz         0.9           Closing power factor with he holding power of the coil         as 30 V/A           • at 50 Hz         0.9           Closing power of magnet coil at AC         9.2 V/A           • at 50 Hz         0.9           Closing delay         as 4.C           • at DC         920 W           Holding power of magnet coil at DC         10 W           Closing delay         as 4.C           • at DC         60 100 ms           • at DC         60 100 ms           • at DC         60		
value of magnet coil at AC         0.8 1.1           • at 60 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         830 V/A           • at 50 Hz         0.9           Apparent holding power of magnet coil at AC         0.9           • at 50 Hz         0.9           Apparent holding power of magnet coil at AC         0.9           • at 50 Hz         0.9           Inductive power factor with the holding power of the coil         0.9           • at 50 Hz         0.9           Inductive power of magnet coil at AC         9.2 V/A           Inductive power of magnet coil at DC         10 W           Closing power of magnet coil at DC         10 W           Closing power of magnet coil at DC         10 W           Closing power of magnet coil at DC         0.9           • at DC         45 100 ms           • at DC         45 100 ms           • at DC         60 100 ms           • at DC         10 15 ms           Control version of the switch operating mechanism         Standard At - A2           Number of NC contacts         2           • instantaneous cont		
• at 60 Hz         0.8 1.1           Design of the surge suppressor         with varistor           Apparent pick-up power of magnet coil at AC         as 30 VA           • at 50 Hz         0.9           Apparent holding power of magnet coil at AC         0.9           • at 50 Hz         0.9           Apparent holding power of magnet coil at AC         0.9           • at 50 Hz         0.9           Closing power factor with the holding power of the coil         • at 50 Hz           • at 50 Hz         0.9           Closing power of magnet coil at DC         920 W           Holding power of magnet coil at DC         920 W           Closing delay         45 100 ms           • at AC         45 100 ms           • at AC         60 100 ms           • at AC         60 100 ms           • at AC         60 100 ms           • at DC         50 100 ms           Concol weres of the switch operating mechanism         51 addard A1 - A2           Variant provided for auxiliary contacts         2           - instantaneous contact         2           • for auxiliary contacts         2           - instantaneous contact         2           • for auxiliary contacts         2     <		
Control         with variator           Design of the surge suppressor         with variator           Apparent pick-up power of magnet coil at AC         asto VA           • at 50 Hz         0.9           Apparent holding power of magnet coil at AC         0.9           • at 50 Hz         0.9           Apparent holding power of magnet coil at AC         9.2 V/A           Inductive power factor with the holding power of the coil         0.9           • at 50 Hz         0.9           Closing power of magnet coil at DC         920 W           Holding power of magnet coil at DC         920 W           Holding power of magnet coil at DC         10 W           Closing delay         -           • at DC         45 100 ms           • at DC         60 100 ms           • at DC         60 100 ms           • at DC         60 100 ms           • at DC         5 Landard A1 - A2           Vuillary circuit         2           Number of MC contacts         2           • for audilary contacts <th>• at 50 Hz</th> <th>0.8 1.1</th>	• at 50 Hz	0.8 1.1
Apparent plok-up power of magnet coil at AC       at 50 Hz       830 V/A         Inductive power factor with closing power of the coil       0.9         at 50 Hz       0.9         Apparent holding power of magnet coil at AC       92 V/A         inductive power factor with the holding power of the coil       0.9         * at 50 Hz       0.9         Inductive power factor with the holding power of the coil       0.9         * at 50 Hz       0.9         Closing power of magnet coil at DC       920 W         Holding power of magnet coil at DC       10 W         Closing delay       10 W         * at AC       45 100 ms         * at AC       60 100 ms         * at AC       9 contacts         * of or auxiliary contacts       2         * for auxiliary contacts       2         * for auxiliary contacts       2         - instantaneous	• at 60 Hz	0.8 1.1
• at 50 Hz       830 VA         Inductive power factor with closing power of the coll       0.9         • at 50 Hz       0.9         Apparent holding power of magnet coll at AC       9.2 VA         • at 50 Hz       0.9         Inductive power factor with the holding power of the coll       0.9         coling power of magnet coll at DC       9.2 VA         Holding power of magnet coll at DC       920 W         Holding power of magnet coll at DC       10 W         Closing delay       45 100 ms         • at AC       45 100 ms         • at AC       60 100 ms         • at AC       5 100 ms         • at AC       60 100 ms         • at AC       5 100 ms         • at AC       60 100 ms         • at AC       5 100 ms         • at AC       60 100 ms         • at AC       60 100 ms         • at AC       9 100 ms         • at AC       2         Number of NC contacts       2         - instantaneous contact       2         - instantaneous contact	Design of the surge suppressor	with varistor
Inductive power factor with closing power of the coil • at 50 Hz 0.9 Apparent holding power of magnet coil at AC • at 50 Hz 9.2 V/A Inductive power factor with the holding power of the coil • at 50 Hz 0.9 Closing power of magnet coil at DC 920 W Holding power of magnet coil at DC 10 W Closing delay • at AC 45 100 ms • at DC 45 100 ms • at DC 60 100 ms • at DC 700 version of the switch operating mechanism • at DC 700 version of the switch operating mechanism • for auxiliary contacts 	Apparent pick-up power of magnet coil at AC	
• at 50 Hz0.9Apparent holding power of magnet coil at AC • at 50 Hz9.2 V/AInductive power factor with the holding power of the coil0.9• at 50 Hz0.9• at 50 Hz0.9Closing power of magnet coil at DC920 WHolding power of magnet coil at DC920 WClosing delay10 W• at AC45 100 ms• at AC60 100 ms• at AC75 100 ms• at AC60 100 ms• at AC75 100 ms• at AC75 100 ms• at AC75 100 ms• at AC75 100 ms• at DC70 15 msControl version of the switch operating mechanismStandard A1 - A2Vuxiliary circuit2Number of NC contacts2• for auxiliary contacts2- instantaneous contact2• for auxiliary contacts2- instantaneous contact10 AOperating current at AC-12 maximum10 AOperating current at AC-13 maximum6 A• at 200 V rated value6 A• at 200 V rated value6 A• at 400 V rated value3 A• at 500 V rated value3 A• at 600 V rated value1 A	● at 50 Hz	830 V·A
Apparent holding power of magnet coil at AC • at 50 Hz 1nductive power factor with the holding power of the coll • at 50 Hz • at 50 Hz • at 50 Hz 0.9 Closing power of magnet coil at DC Holding power of magnet coil at DC 10 W Closing delay • at AC • at DC 0 = 100 ms • at DC • at XIII ary contacts • instantaneous contact 2 0 perating current at AC-12 maximum 0 A Operating current at AC-12 maximum 0 A Operating current at AC-15 • at 230 V rated value • at 400 V rated value • at 400 V rated value • at 600 V rated value • at 600 V rated value • at 690 V rated value • at 600 V	Inductive power factor with closing power of the coil	
• at 50 Hz9.2 V AInductive power factor with the holding power of the coll0.9• at 50 Hz0.9Closing power of magnet coll at DC920 WHolding power of magnet coll at DC10 WClosing delay45 100 ms• at AC45 100 ms• at AC60 100 ms• at AC60 100 ms• at AC60 100 ms• at AC60 100 ms• at DC10 15 msControl version of the switch operating mechanismStandard A1 - A2Number of NC contacts2• for auxiliary contacts2- instantaneous contact2Operating current at AC-12 maximum10 AOperating current at AC-156 A• at 230 V rated value6 A• at 400 V rated value3 A• at 500 V rated value1 A	• at 50 Hz	0.9
Inductive power factor with the holding power of the coil         Inductive power factor with the holding power of the coil           • at 50 Hz         0.9           Closing power of magnet coil at DC         920 W           Holding power of magnet coil at DC         10 W           Closing delay         10 W           • at AC         45 100 ms           • at DC         45 100 ms           • at DC         60 100 ms           • at AC         60 100 ms           • at DC         50 100 ms           • at DC         60 100 ms           • at DC         60 100 ms           • at DC         50 100 ms           • for auxiliary contacts         50 100 ms           • for auxiliary contacts         2           • for auxiliary contacts         2 </th <th>Apparent holding power of magnet coil at AC</th> <th></th>	Apparent holding power of magnet coil at AC	
coll	● at 50 Hz	9.2 V·A
Closing power of magnet coil at DC     920 W       Holding power of magnet coil at DC     10 W       Closing delay     45 100 ms       • at AC     45 100 ms       • at DC     60 100 ms       Opening delay     60 100 ms       • at AC     60 100 ms       • at DC     50 100 ms       • at DC     50 100 ms       • at DC     60 100 ms       • at DC     60 100 ms       • at DC     50 100 ms       • at DC     50 100 ms       • DC     60 100 ms       • IDC     60 100 ms       • IDC     50 100 ms       • Instantaneous contact     2       • Instantaneous contact     2       • Operating current at AC-12 maximum     10 A       Operating current at AC-15		
Holding power of magnet coll at DC10 WClosing delay45 100 ms• at AC45 100 ms• at DC45 100 msOpening delay60 100 ms• at AC60 100 ms• at DC60 100 msArcing time10 15 msControl version of the switch operating mechanismStandard A1 - A2Vulliary circuit2Number of NC contacts2• for auxiliary contacts2• instantaneous contact2Operating current at AC-12 maximum10 AOperating current at AC-156• at 230 V rated value6 A• at 300 V rated value6 A• at 690 V rated value2 A• at 690 V rated value1 A	• at 50 Hz	0.9
Closing delay45 100 ms• at AC45 100 ms• at DC45 100 msOpening delay60 100 ms• at AC60 100 ms• at DC60 100 msArcing time10 15 msControl version of the switch operating mechanismStandard A1 - A2Vulliary circuit2Number of NC contacts2- instantaneous contact2Portang current at AC-12 maximum10 AOperating current at AC-156 A• at 230 V rated value6 A• at 400 V rated value3 A• at 500 V rated value2 A• at 690 V rated value1 A	Closing power of magnet coil at DC	920 W
• at AC45 100 ms• at DC45 100 msOpening delay60 100 ms• at AC60 100 ms• at DC60 100 ms• at DC60 100 msArcing time10 15 msControl version of the switch operating mechanismStandard A1 - A2Axiliary circuitVariliary contacts• instantaneous contact2• for auxiliary contacts2• instantaneous contact2Operating current at AC-12 maximum10 AOperating current at AC-1510 A• at 230 V rated value6 A• at 500 V rated value2 A• at 690 V rated value1 A	Holding power of magnet coil at DC	10 W
at DC45 100 msOpening delay60 100 ms• at AC60 100 ms• at DC60 100 msArcing time10 15 msControl version of the switch operating mechanismStandard A1 - A2Auxiliary circuitAuxiliary circuit2Number of NC contacts2• instantaneous contact2• for auxiliary contacts10 A• nistantaneous contact2Operating current at AC-12 maximum10 AOperating current at AC-155• at 230 V rated value6 A• at 500 V rated value3 A• at 690 V rated value1 A	Closing delay	
Opening delay60 100 ms• at AC60 100 ms• at DC60 100 msArcing time10 15 msControl version of the switch operating mechanismStandard A1 - A2Auxiliary circuit2Number of NC contacts2• for auxiliary contacts2• instantaneous contact2• for auxiliary contacts2• instantaneous contact2Operating current at AC-12 maximum10 AOperating current at AC-156 A• at 230 V rated value6 A• at 500 V rated value3 A• at 690 V rated value1 A	● at AC	45 100 ms
• at AC60 100 ms• at DC60 100 msArcing time10 15 msControl version of the switch operating mechanismStandard A1 - A2Auxiliary circuitStandard A1 - A2Auxiliary contacts instantaneous contact2Number of NC contacts2- instantaneous contact2Operating current at AC-12 maximum10 AOperating current at AC-15-• at 230 V rated value6 A• at 400 V rated value3 A• at 500 V rated value1 A	● at DC	45 100 ms
• at DC60 100 ms• at DC60 100 msArcing time10 15 msControl version of the switch operating mechanismStandard A1 - A2• for auxiliary circuit• for auxiliary contacts – instantaneous contact2• at 230 V rated value • at 400 V rated value6 A• at 400 V rated value • at 500 V rated value3 A• at 690 V rated value1 A	Opening delay	
Arcing time10 15 msControl version of the switch operating mechanismStandard A1 - A2Auxiliary circuitStandard A1 - A2Auxiliary contacts2• for auxiliary contacts2• instantaneous contact2• for auxiliary contacts2• for auxiliary contacts10 A• operating current at AC-12 maximum10 AOperating current at AC-154 230 V rated value• at 230 V rated value6 A• at 400 V rated value3 A• at 500 V rated value2 A• at 690 V rated value1 A	● at AC	60 100 ms
Control version of the switch operating mechanismStandard A1 - A2Auxiliary circuitStandard A1 - A2Auxiliary contacts2- instantaneous contact2Number of NC contacts2- instantaneous contact2Number of NO contacts2- instantaneous contact2Operating current at AC-12 maximum10 AOperating current at AC-153- at 230 V rated value6 A- at 400 V rated value3 A- at 500 V rated value1 A	● at DC	60 100 ms
Auxiliary circuit         Number of NC contacts            • for auxiliary contacts             instantaneous contact            Por auxiliary contacts             instantaneous contact            Doperating current at AC-12 maximum            10 A            Operating current at AC-15             • at 230 V rated value            • at 400 V rated value            • at 500 V rated value            • at 500 V rated value            • at 690 V rated value		10 15 ms
Number of NC contacts• for auxiliary contacts- instantaneous contact2Number of NO contacts• for auxiliary contacts- instantaneous contact2Operating current at AC-12 maximumOperating current at AC-15• at 230 V rated value6 A• at 500 V rated value2 A• at 690 V rated value1 A	Control version of the switch operating mechanism	Standard A1 - A2
Number of NC contacts• for auxiliary contacts- instantaneous contact2Number of NO contacts• for auxiliary contacts- instantaneous contact2Operating current at AC-12 maximumOperating current at AC-15• at 230 V rated value6 A• at 500 V rated value2 A• at 690 V rated value1 A	Auxiliary circuit	
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Number of NO contacts• for auxiliary contacts instantaneous contact2Operating current at AC-12 maximum10 AOperating current at AC-15• at 230 V rated value6 A• at 400 V rated value3 A• at 500 V rated value2 A• at 690 V rated value1 A	<ul> <li>for auxiliary contacts</li> </ul>	
• for auxiliary contacts.— instantaneous contact2Operating current at AC-12 maximum10 AOperating current at AC-15.• at 230 V rated value6 A• at 400 V rated value3 A• at 500 V rated value2 A• at 690 V rated value1 A	— instantaneous contact	2
instantaneous contact2Operating current at AC-12 maximum10 AOperating current at AC-15	Number of NO contacts	
Operating current at AC-12 maximum       10 A         Operating 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	<ul> <li>for auxiliary contacts</li> </ul>	
Operating current at AC-15• at 230 V rated value6 A• at 400 V rated value3 A• at 500 V rated value2 A• at 690 V rated value1 A	— instantaneous contact	2
<ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>1 A</li> </ul>	Operating current at AC-12 maximum	10 A
<ul> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>1 A</li> </ul>	Operating current at AC-15	
at 500 V rated value     at 690 V rated value     1 A	• at 230 V rated value	6 A
• at 690 V rated value 1 A	• at 400 V rated value	3 A
	• at 500 V rated value	2 A
Operating current at DC-12	• at 690 V rated value	1 A
	Operating 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			
Operating 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 three-phase AC motor				
• at 480 V rated value	361 A			
• at 600 V rated value	382 A			
Yielded mechanical performance [hp]				
• for three-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				
Short-circuit protection Design of the fuse link				
Design of the fuse link	gG: 630 A (690 V, 100 kA)			
<ul><li>Design of the fuse link</li><li>for short-circuit protection of the main circuit</li></ul>	gG: 630 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 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
Mounting type	screw fixing
<ul> <li>Side-by-side mounting</li> </ul>	Yes

required

Height	214 mm
Width	160 mm
Depth	225 mm
Required spacing	
<ul> <li>for grounded parts</li> </ul>	
— at the side	10 mm
Connections/Terminals	
Type of electrical connection	
<ul> <li>for main current circuit</li> </ul>	screw-type terminals
<ul> <li>for auxiliary and control current circuit</li> </ul>	screw-type terminals
Type of connectable conductor cross-sections	
<ul> <li>at AWG conductors for main contacts</li> </ul>	2/0 500 kcmil
Connectable conductor cross-section for main contacts	
• stranded	70 240 mm²
Type of connectable conductor cross-sections	
<ul> <li>for auxiliary contacts</li> </ul>	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
— single or multi-stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>at AWG conductors for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14), 1x 12
Safety related data	
Product function	
<ul> <li>Mirror contact acc. to IEC 60947-4-1</li> </ul>	Yes
<ul> <li>positively driven operation acc. to IEC 60947-5-</li> <li>1</li> </ul>	No
Protection against electrical shock	finger-safe when touched vertically from front acc. to IEC 60529
Certificates/approvals	

General Produc	t Approval			Functional Safety/Safety of Machinery	Declaration of Conformity
	CSA		EHC	Type Examination Certificate	EG-Konf.
Test Certificates	\$		Marine / Shippir	g	
Special Test Certificate	<u>Type Test</u> Certificates/Test <u>Report</u>	Miscellaneous	ABS	RMRS	DNV-GL
other					
Confirmation	Miscellaneous				

## urther information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1075-6AF36

Cax online generator

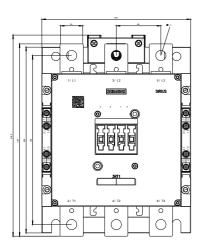
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1075-6AF36

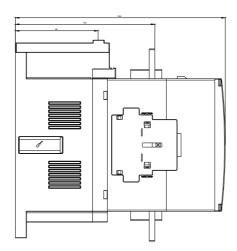
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT1075-6AF36

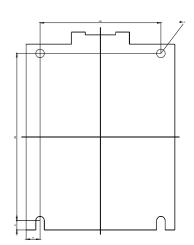
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1075-6AF36&lang=en

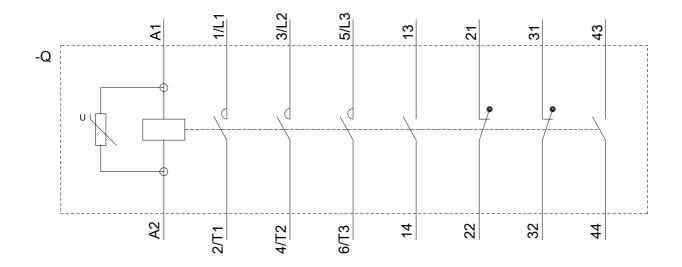
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT1075-6AF36/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1075-6AF36&objecttype=14&gridview=view1









last modified:

03/23/2018

03/26/2018

3RT106.-.A. 3RT107.-.A.