SIEMENS

Data sheet

3RT1276-6AB36

Vacuum contactor, AC-3 500 A, 250 kW / 400 V AC (50-60 Hz) / DC operation 23-26 V UC Auxiliary contacts 2 NO + 2 NC 3-pole, Size S12 Busbar connections Drive: conventional



Figure similar

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
Surge voltage resistance	
 of main circuit rated value 	8 kV
 of auxiliary circuit rated value 	6 kV
maximum permissible voltage for safe isolation	
 between coil and main contacts acc. to EN 	690 V
60947-1	
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		
 of the contactor with added electronics- compatible auxiliary switch block typical 	5 000 000		
 of the contactor with added auxiliary switch block typical 	10 000 000		
Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	к		
Reference code acc. to DIN EN 81346-2	Q		
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		
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		
Operating current			
• at AC-1 at 400 V			
 — at ambient temperature 40 °C rated value at AC-1 	610 A		
— up to 690 V at ambient temperature 40 °C rated value	610 A		
— up to 690 V at ambient temperature 60 °C			
rated value	550 A		
	550 A 610 A		
rated value — up to 1000 V at ambient temperature 40 °C			
rated value — up to 1000 V at ambient temperature 40 °C rated value — up to 1000 V at ambient temperature 60 °C	610 A		
rated value — up to 1000 V at ambient temperature 40 °C rated value — up to 1000 V at ambient temperature 60 °C rated value	610 A 550 A		
 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 	610 A 550 A		

Let use to take500 A• at AC-4 at 400 V rated value430 AConnectable conductor cross-section in main circuit at AC-1370 mm²• at 60 °C minimum permissible370 mm²• at 40 °C minimum permissible370 mm²• at 400 V rated value215 A• at 400 V rated value215 A• at 400 V rated value208 kW- at 230 V at 60 °C rated value208 kW- at 400 V rated value362 kW- at 400 V rated value220 kW- at 400 V rated value220 kW- at 400 V rated value250 kW- at 690 V rated value250 kW- at 100 V rated value250 kW- at 100 V rated value250 kW- at 300 V rated value250 kW- at 300 V rated value250 kW- at 400 V rated value250 kW- at 400 V rated value355 kW- at 400 V rated value355 kW- at 400 V rated value350 kW- at 400 V rated value300 kW- at 690 V rated value400 kW- at 690 V r		
at AC-4 at 400 V rated value 430 A Connectable conductor cross-section in main circuit at AC-1 370 mm² • at 60 °C minimum permissible 370 mm² • at 40 °C minimum permissible 370 mm² Operating current for approx. 20000 operating cycles at AC-4 215 A • at 600 V rated value 151 A Operating power • at A00 V rated value • at A00 V rated value 208 kW - at 230 V at 60 °C rated value 500 kW - at 400 V rated value 650 kW - at 400 V rated value 624 kW - at 690 V rated value 624 kW - at 690 V rated value 624 kW - at 690 V rated value 626 kW - at 200 V rated value 626 kW - at 400 V rated value 626 kW - at 690 V rated value 626 kW - at 690 V rated value 626 kW - at 690 V rated value 626 kW - at 200 V rated value 620 kW - at 200 V rated value 500 kW - at 200 V rated value 710 kW - at 200 V rated value 212 kW - at 000 V rated value 122 kW <	— at 690 V rated value	500 A
Conectable conductor cross-section in main circuit at AC-1 • at 60 °C minimum permissible at 40 °C minimum permissible at 60 °C minimum permissible at 60 °C minimum permissible at 60 °C minimum permissible at 60 °C rated value at 60 °C rated value at 60 °C rated value at 40 °C rated value at 40 °C rated value at 40 °C rated value at 60 °C °C °C °C °C	— at 1000 V rated value	
at AC-1 at 60 °C minimum permissible 370 mm ²	• at AC-4 at 400 V rated value	430 A
• at 60 °C minimum permissible370 mm²Operating current for approx. 200000 operating cycles at AC-4215 A• at 000 V rated value215 A• at 690 V rated value208 kW• at AC-1208 kW- at 100 V rated value208 kW- at 400 V rated value208 kW- at 690 V rated value208 kW- at 690 V rated value208 kW- at 600 V rated value208 kW- at 200 V rated value208 kW- at 1000 V rated value250 kW- at 1000 V rated value250 kW- at 230 V rated value250 kW- at 230 V rated value250 kW- at 400 V rated value355 kW- at 400 V rated value355 kW- at 690 V rated value350 kW- at 690 V rated value212 kW- at 690 V rated value212 kW- at 690 V rated value220 kW- at 1000 V rated value220 kW- at 230 V rated value200 kM- at 1000 V rated value200 kM- at 690	Connectable conductor cross-section in main circuit	
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Operating current for approx. 20000 operating cycles at AC-4 215 A • at 400 V rated value 215 A • at 680 V rated value 151 A Operating ower • at AC-1 • at 230 V at 60 °C rated value 208 kW - at 400 V rated value 362 kW - at 400 V rated value 362 kW - at 400 V rated value 624 kW - at 690 V rated value 624 kW - at 690 V rated value 624 kW - at 690 V rated value 624 kW - at 1000 V rated value 250 kW - at 400 V rated value 250 kW - at 400 V rated value 250 kW - at 400 V rated value 250 kW - at 200 V rated value 250 kW - at 200 V rated value 355 kW - at 1000 V rated value 250 kW - at 690 V rated value 250 kW - at 690 V rated value 355 kW - at 690 V rated value 250 kW - at 690 V rated value 212 kW • at A00 V rated value 32 W • at A00 V rated value of the operating current intilted to 10 s		
cycles at AC-4 215 A • at 400 V rated value 151 A Operating power 151 A • at AC-1 - at 230 V at 60 °C rated value 362 kW - at 400 V rated value 362 kW - at 400 V rated value 362 kW - at 400 V rated value 362 kW - at 690 V rated value 550 kW - at 690 V rated value 520 kW - at 690 V rated value 624 kW - at 690 V rated value 520 kW - at 690 V rated value 624 kW - at 690 V rated value 520 kW - at 700 V rated value 905 kW - at 230 V rated value 250 kW - at 230 V rated value 250 kW - at 230 V rated value 250 kW - at 690 V rated value 250 kW - at 230 V rated value 250 kW - at 690 V rated value 250 kW - at 400 V rated value 250 kW - at 690 V rated value 250 kW - at 400 V rated value 250 kW - at 690 V rated value 212 kW - at 690 V rated value 212 kW - at 690 V rated value 212 kW • at 690 V rated value 212 kW	•	370 mm ²
at 680 V rated value151 AOperating power151 A- at 230 V at 60 °C rated value208 kW- at 400 V rated value362 kW- at 400 V rated value550 kW- at 690 V rated value624 kW- at 690 V rated value624 kW- at 690 V rated value250 kW- at 690 V rated value250 kW- at 1000 V rated value250 kW- at 230 V rated value250 kW- at 230 V rated value250 kW- at 230 V rated value250 kW- at 400 V rated value250 kW- at 400 V rated value500 kW- at 400 V rated value500 kW- at 690 V rated value500 kW- at 690 V rated value210 kW- at 690 V rated value212 kW- at 690 V rated value212 kW- at 690 V rated value220 kW- at 400 V rated value212 kW- at 690 V rated value212 kW- at 690 V rated value220 kW- at 690 V rated value212 kW- at 200 V for rated value220 kW- at 200 V for rated value212 kW- at 200 V rated value220 kW- at 200 V rated value200 l/h- at 200 V rated value200 l/h- at 200 V rated value200 l/h- at 400 V rated value210 kW- at 400 V rated value200 l/h- at 400 V rated value210 kW </td <td>Operating current for approx. 200000 operating cycles at AC-4</td> <td></td>	Operating current for approx. 200000 operating cycles at AC-4	
Operating power• at AC-1- at 230 V at 60 °C rated value208 kW- at 400 V rated value362 kW- at 400 V rated value550 kW- at 690 V rated value624 kW- at 690 V rated value624 kW- at 690 V rated value905 kW- at 600 V rated value905 kW- at 100 V rated value905 kW- at 230 V rated value905 kW- at 230 V rated value250 kW- at 230 V rated value160 kW- at 230 V rated value355 kW- at 230 V rated value500 kW- at 690 V rated value500 kW- at 690 V rated value160 kW- at 400 V rated value170 kWOperating power for approx. 200000 operating cyclesat AC-4at 400 V rated value- at 690 V rated value122 kW- at 400 V rated value2000 l/h- at 400 V rated value122 kW- at 400 V rated value2000 l/h- at 400	• at 400 V rated value	215 A
• at AC-1208 kW- at 230 V at 60 °C rated value362 kW- at 400 V rated value362 kW- at 400 V at 60 °C rated value550 kW- at 690 V rated value624 kW- at 690 V rated value624 kW- at 690 V rated value624 kW- at 1000 V at 60 °C rated value624 kW- at 1000 V rated value905 kW• at AC-2 at 400 V rated value905 kW• at AC-3 at 230 V rated value160 kW- at 230 V rated value250 kW• at AC-3 at 230 V rated value500 kW- at 500 V rated value500 kW- at 690 V rated value500 kW- at 1000 V rated value500 kW- at 690 V rated value100 kW- at 690 V rated value500 kW- at 690 V rated value212 kW• at 400 V rated value212 kW• at 400 V rated value2200 kW• at 400 V rated value2200 l/h• at 400 V rated value2200 l/h• at 400 V rated value22 kW• at 400 V rated value22 kW• at 400 V rated value22 kW• at 400 V rated value2000 APower loss [W] at AC-3 at 400 V for rated value of the operating frequency2 000 1/h• at AC2 000 1/h	• at 690 V rated value	151 A
- at 230 V at 60 °C rated value 208 kW - at 400 V rated value 362 kW - at 400 V rated value 550 kW - at 690 V rated value 624 kW - at 690 V rated value 624 kW - at 600 V at 60 °C rated value 905 kW - at 000 V at 60 °C rated value 905 kW - at 000 V rated value 250 kW • at AC-2 at 400 V rated value 250 kW • at AC-3 - - at 230 V rated value 250 kW • at AC-3 - - at 230 V rated value 250 kW - at 230 V rated value 250 kW - at 400 V rated value 250 kW - at 690 V rated value 212 kW - at 690 V rated value 22 kW • at 690 V rated value 22 kW • at 690 V rated value 200 1/h • at 690 V rated value 200 1/h • at 690 V rated value 200 1/h • at 690 V rated value	Operating power	
	● at AC-1	
In the function function550 kW- at 400 V at 60 °C rated value550 kW- at 690 V at 60 °C rated value624 kW- at 690 V at 60 °C rated value905 kW- at 1000 V at 60 °C rated value905 kW- at 400 V rated value250 kW- at 230 V rated value160 kW- at 400 V rated value250 kW- at 400 V rated value355 kW- at 500 V rated value500 kW- at 690 V rated value500 kW- at 690 V rated value500 kW- at 000 V rated value710 kWOperating power for approx. 20000 operating cycles at AC-4122 kW• at 400 V rated value122 kW• at 400 V rated value212 kW• at 690 V rated value212 kW• at 690 V rated value212 kW• at AC-3 at 400 V for rated value of the operating current limited to 10 s4 000 APower loss [W] at AC-3 at 400 V for rated value of the operating frequency32 W• at AC2 000 1/h• at AC-1 maximum250 1/h• at AC-3 maximum250 1/h• at AC-4 maximum250 1/h	— at 230 V at 60 °C rated value	208 kW
In the original of the original or	— at 400 V rated value	362 kW
Instantion- at 600 V at 60 °C rated value624 kW- at 1000 V at 60 °C rated value905 kW• at AC-2 at 400 V rated value250 kW• at AC-3160 kW- at 230 V rated value160 kW- at 200 V rated value250 kW- at 400 V rated value250 kW- at 500 V rated value500 kW- at 680 V rated value500 kW- at 1000 V rated value710 kWOperating power for approx. 200000 operating cyclesat AC-4122 kW• at 400 V rated value212 kW• at 400 V rated value212 kW• at 690 V rated value32 WPower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor32 WNo-load switching frequency • at AC2 000 1/h• at AC2 000 1/h• at AC2 000 1/h• at AC2 000 1/h• at AC-4 maximum700 1/h• at AC-4 maximum250 1/h	— at 400 V at 60 °C rated value	550 kW
In the or lates of the or latesIn the Internation- at 1000 V at 60 °C rated value905 kW• at AC-2 at 400 V rated value250 kW• at 230 V rated value160 kW- at 230 V rated value250 kW- at 400 V rated value355 kW- at 690 V rated value500 kW- at 690 V rated value710 kWOperating power for approx. 20000 operating cycles at AC-4• at 400 V rated value122 kW• at 400 V rated value212 kW• at 690 V rated value212 kW• at 690 V rated value32 W• at 690 V rated value212 kW• at 690 V rated value2100 h• at AC-3 at 400 V for rated value of the operating current limited to 10 s4 000 APower loss [W] at AC-3 at 400 V for rated value of the operating frequency2 000 1/h• at AC2 000 1/h• at AC2 000 1/h• at AC2 000 1/h• at AC-1 maximum250 1/h• at AC-2 maximum250 1/h• at AC-3 maximum250 1/h• at AC-4 maximum250 1/h	— at 690 V rated value	624 kW
	— at 690 V at 60 °C rated value	624 kW
 at AC-3 at AC-3 at AC-3 at AC-3 at 230 V rated value at 250 kW at 400 V rated value 250 kW at 500 V rated value 355 kW at 690 V rated value 500 kW at 1000 V rated value 710 kW Operating power for approx. 20000 operating cycles at AC-4 at 400 V rated value 122 kW at 690 V rated value 212 kW Thermal short-time current limited to 10 s Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor No-load switching frequency at AC at AC	— at 1000 V at 60 °C rated value	905 kW
- at 230 V rated value160 kW- at 400 V rated value250 kW- at 500 V rated value355 kW- at 690 V rated value500 kW- at 1000 V rated value710 kWOperating power for approx. 200000 operating cycles at AC-4122 kW• at 400 V rated value122 kW• at 690 V rated value212 kW• at 690 V rated value32 W• at 690 V rated value32 W• at 690 V rated value2 000 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor2 000 1/h• at AC • at DC2 000 1/h• at AC • at AC • at AC • at AC-1 maximum700 1/h• at AC-1 maximum250 1/h• at AC-2 maximum250 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h	• at AC-2 at 400 V rated value	250 kW
Indication250 kW at 400 V rated value250 kW at 500 V rated value355 kW at 690 V rated value500 kW at 1000 V rated value710 kWOperating power for approx. 200000 operating cycles at AC-4122 kW• at 400 V rated value122 kW• at 690 V rated value212 kW• at 690 V rated value200 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor32 WNo-load switching frequency • at AC • at DC2 000 1/h• at AC • at DC2 000 1/hOperating frequency • at AC-1 maximum700 1/h• at AC-2 maximum250 1/h• at AC-3 maximum250 1/h• at AC-4 maximum750 1/h	• at AC-3	
Latter Nation355 kW at 500 V rated value500 kW at 690 V rated value500 kW at 1000 V rated value710 kWOperating power for approx. 200000 operating cycles at AC-4122 kW- at 400 V rated value122 kW- at 690 V rated value212 kW- at 690 V rated value212 kW- at 690 V rated value212 kW- at 690 V rated value32 W- bar 400 V rated value32 W- bar 100 V rated value2000 1/h- at AC2 000 1/h- at AC2 000 1/h- at AC2 000 1/h- at AC-1 maximum700 1/h- at AC-2 maximum250 1/h- at AC-3 maximum250 1/h- at AC-4 maximum250 1/h	— at 230 V rated value	160 kW
at 690 V rated value500 kW at 1000 V rated value710 kWOperating power for approx. 200000 operating cycles at AC-4122 kW- at 400 V rated value122 kW- at 690 V rated value212 kW- at 690 V rated value212 kWThermal short-time current limited to 10 s4 000 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor32 WNo-load switching frequency • at AC2 000 1/h- at DC2 000 1/hOperating frequency2 000 1/h- at AC-1 maximum700 1/h- at AC-2 maximum250 1/h- at AC-3 maximum750 1/h- at AC-4 maximum250 1/h	— at 400 V rated value	250 kW
	— at 500 V rated value	355 kW
Operating power for approx. 200000 operating cycles at AC-4122 kW• at 400 V rated value122 kW• at 690 V rated value212 kWThermal short-time current limited to 10 s4 000 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor32 WNo-load switching frequency • at AC2 000 1/h• at AC2 000 1/h• at AC2 000 1/h• at AC-1 maximum700 1/h• at AC-2 maximum250 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h	— at 690 V rated value	500 kW
at AC-4122 kW• at 400 V rated value122 kW• at 690 V rated value212 kWThermal short-time current limited to 10 s4 000 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor32 WNo-load switching frequency2 000 1/h• at AC2 000 1/h• at AC2 000 1/h• at AC2 000 1/h• at AC-1 maximum700 1/h• at AC-2 maximum250 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h	— at 1000 V rated value	710 kW
• at 400 V rated value122 kW• at 690 V rated value212 kWThermal short-time current limited to 10 s4 000 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor32 WNo-load switching frequency2 000 1/h• at AC2 000 1/h• at DC2 000 1/hOperating frequency700 1/h• at AC-1 maximum700 1/h• at AC-2 maximum250 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h	Operating power for approx. 200000 operating cycles	
• at 690 V rated value212 kWThermal short-time current limited to 10 s4 000 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor32 WNo-load switching frequency • at AC • at DC2 000 1/hOperating frequency2 000 1/h• at AC-1 maximum700 1/h• at AC-2 maximum • at AC-3 maximum250 1/h• at AC-4 maximum • at AC-4 maximum250 1/h	at AC-4	
Thermal short-time current limited to 10 s4 000 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor32 WNo-load switching frequency • at AC • at DC2 000 1/hOperating frequency2 000 1/h• at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum700 1/h• at AC-4 maximum • at AC-4 maximum250 1/h	● at 400 V rated value	122 kW
Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor32 WNo-load switching frequency • at AC • at DC2 000 1/hOperating frequency • at AC-1 maximum2 000 1/hOperating frequency • at AC-2 maximum700 1/hat AC-2 maximum700 1/h• at AC-3 maximum250 1/h• at AC-4 maximum250 1/h	• at 690 V rated value	212 kW
the operating current per conductor No-load switching frequency • at AC • at DC Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum •	Thermal short-time current limited to 10 s	
• at AC2 000 1/h• at DC2 000 1/hOperating frequency2 000 1/h• at AC-1 maximum700 1/h• at AC-2 maximum250 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h	Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor	32 W
• at DC2 000 1/hOperating frequency700 1/h• at AC-1 maximum700 1/h• at AC-2 maximum250 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h	No-load switching frequency	
Operating frequency700 1/h• at AC-1 maximum700 1/h• at AC-2 maximum250 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h	• at AC	2 000 1/h
• at AC-1 maximum700 1/h• at AC-2 maximum250 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h	● at DC	2 000 1/h
• at AC-2 maximum250 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h	Operating frequency	
• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h	• at AC-1 maximum	700 1/h
• at AC-4 maximum 250 1/h	• at AC-2 maximum	250 1/h
	• at AC-3 maximum	750 1/h
Control circuit/ Control	• at AC-4 maximum	250 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	23 26 V
• at 60 Hz rated value	23 26 V
Control supply voltage at DC	
• rated value	23 26 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 of magnet coil at AC	
● at 50 Hz	830 V·A
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
Opening delay	
• at AC	60 100 ms
• at DC	60 100 ms
Arcing time	10 15 ms
Control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
Number of NC contacts for auxiliary contacts	
instantaneous contact	2
Number of NO contacts for auxiliary contacts	
 instantaneous contact 	2
Operating current at AC-12 maximum	10 A
Operating current at AC-15	
 at 230 V rated value 	6 A

0.1 A
0.3 A
0.9 A
1 A
2 A
2 A
10 A
0.15 A
1 A
2 A
3 A
6 A
6 A
10 A
1 A
2 A

OL/OOA Talings	
Full-load current (FLA) for three-phase AC motor	
• at 480 V rated value	477 A
• at 600 V rated value	472 A
Yielded mechanical performance [hp]	
 for three-phase AC motor 	
— at 200/208 V rated value	150 hp
— at 220/230 V rated value	200 hp
— at 460/480 V rated value	400 hp
— at 575/600 V rated value	500 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		
Mounting type	screw fixing		
 Side-by-side mounting 	Yes		
Height	210 mm		
Width	145 mm		
Depth	206 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 current circuit 	screw-type terminals		
Type of connectable conductor cross-sections			
• at AWG conductors 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			
 single or multi-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)		
— single or multi-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)		

• at AWG conductors for auxiliary contacts 2x (20 16), 2x (18 14		4), 1x 12			
AWG number as coded connectable cond section	luctor cross				
 for auxiliary contacts 		18 14			
Safety related data					
Product function					
 Mirror contact acc. to IEC 60947-4-1 	l	Yes			
 positively driven operation acc. to IE 	C 60947-5-	No			
Protection against electrical shock	Protection against electrical shock finger-safe when touched		vertically from front acc. to IEC 60529		
Certificates/approvals					
General Product Approval			Functional Safety/Safety of Machinery	Declaration of Conformity	
		EHC	Type Examination Certificate	EG-Konf.	
Test Certificates	Marine / S	hipping	other		
Special Test Certi- Type Test Certific- ficate ates/Test Report	ABS	RMRS	Miscellaneous	Confirmation	

Further 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=3RT1276-6AB36

Cax online generator

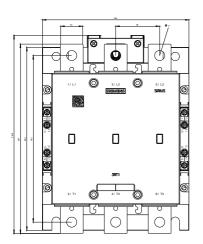
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1276-6AB36

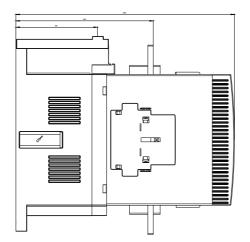
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT1276-6AB36

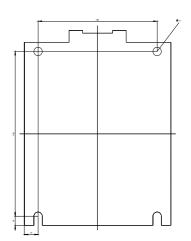
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1276-6AB36&lang=en

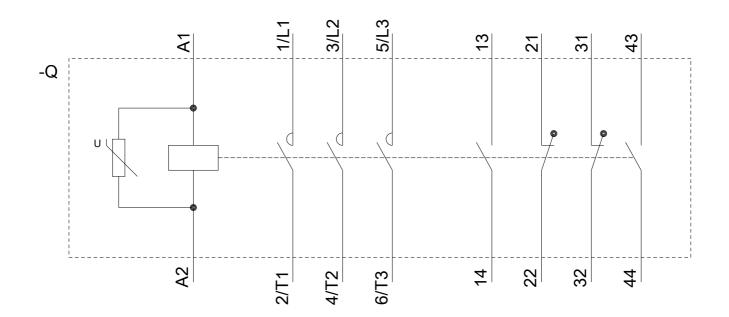
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT1276-6AB36/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1276-6AB36&objecttype=14&gridview=view1









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