# **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	
<ul> <li>function module for communication</li> </ul>	No
<ul> <li>Auxiliary switch</li> </ul>	Yes
Surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	8 kV
<ul> <li>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</li> </ul>	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)			
<ul> <li>of contactor typical</li> </ul>	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 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			
<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			
<ul> <li>— at ambient temperature 40 °C rated value</li> <li>at AC-1</li> </ul>	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		
<ul> <li>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> </ul>	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 <sup>2</sup>	• 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	
at 40 °C minimum permissible       370 mm²         Operating current for approx. 200000 operating cycles at AC-4       215 A         • at 400 V rated value       215 A         • at 600 V rated value       151 A         Operating power       •         • at A01 V rated value       208 kW         - at 230 V at 60 °C rated value       362 kW         - at 400 V rated value       508 kW         - at 200 V rated value       500 kW         - at 200 V rated value       500 kW         - at 400 V rated value       500 kW         - at 400 V rated value       500 kW         - at 400 V rated value       500 kW         - at 600 V rated value       500 kW         - at 400 V rated value       500 kW         - at 400 V rated value       500 kW         - at 600 V rated value       500 kW		
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 <sup>2</sup>
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
<ul> <li>at AC-3         <ul> <li>at AC-3</li> <li>at AC-3</li> <li>at AC-3</li> <li>at 230 V rated value</li> <li>at 250 kW</li> <li>at 400 V rated value</li> <li>250 kW</li> <li>at 500 V rated value</li> <li>355 kW</li> <li>at 690 V rated value</li> <li>500 kW</li> <li>at 1000 V rated value</li> <li>710 kW</li> </ul> </li> <li>Operating power for approx. 20000 operating cycles at AC-4</li> <li>at 400 V rated value</li> <li>122 kW</li> </ul> <li>at 690 V rated value</li> <li>212 kW</li> <li>Thermal short-time current limited to 10 s</li> <li>Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor</li> <li>No-load switching frequency             <ul> <li>at AC</li> <li>at AC</li></ul></li>	— 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	
<ul> <li>instantaneous contact</li> </ul>	2
Operating current at AC-12 maximum	10 A
Operating current at AC-15	
<ul> <li>at 230 V rated value</li> </ul>	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]	
<ul> <li>for three-phase AC motor</li> </ul>	
— 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	
<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
- 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)
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	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		
<ul> <li>Side-by-side mounting</li> </ul>	Yes		
Height	210 mm		
Width	145 mm		
Depth	206 mm		
Required spacing			
<ul> <li>with side-by-side mounting</li> </ul>			
— forwards	20 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	0 mm		
<ul> <li>for grounded parts</li> </ul>			
— 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			
<ul> <li>for main current circuit</li> </ul>	Connection bar		
<ul> <li>for auxiliary and control current circuit</li> </ul>	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			
<ul> <li>single or multi-stranded</li> </ul>	0.5 4 mm²		
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 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)		
— 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				
<ul> <li>for auxiliary contacts</li> </ul>		18 14			
Safety related data					
Product function					
<ul> <li>Mirror contact acc. to IEC 60947-4-1</li> </ul>	l	Yes			
<ul> <li>positively driven operation acc. to IE</li> </ul>	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

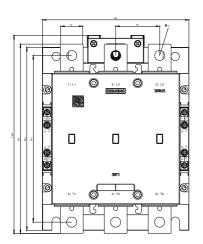
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1276-6AB36

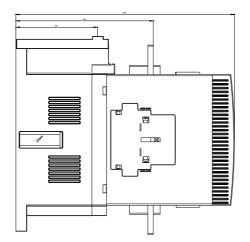
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT1276-6AB36

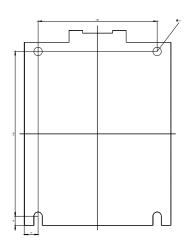
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1276-6AB36&lang=en

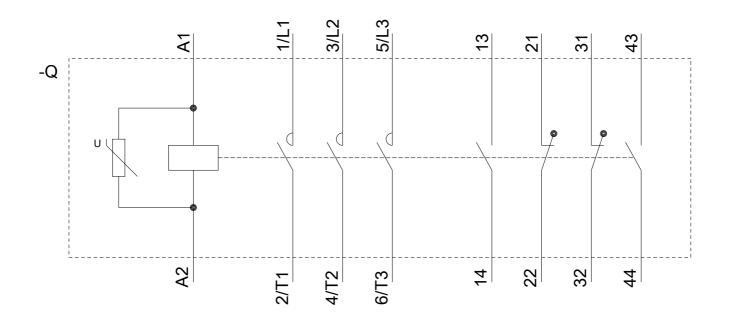
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT1276-6AB36/char

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









last modified:

12/22/2018