## **SIEMENS**

## Data sheet

## 3RT1264-6AT36

Vacuum contactor, AC-3 225 A, 110 kW / 400 V AC (50-60 Hz) / DC operation 575-600 V UC, Auxiliary contacts 2 NO + 2 NC, 3-pole, Size S10, busbar connections Drive: conventional



Figure similar

Product brand name	SIRIUS
Product designation	Vacuum contactor
Product type designation	3RT12
General technical data	
Size of contactor	S10
Product extension	
<ul> <li>function module for communication</li> </ul>	No
Auxiliary switch	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

Charle register on at regtor subscripts	
Shock resistance at rectangular impulse	0.5 x / 5 x x x 4.0 x / 40 x x
• 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
• 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	
<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	330 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C	330 A
rated value	
rated value — up to 690 V at ambient temperature 60 °C rated value	300 A
— up to 690 V at ambient temperature 60 °C	300 A 330 A
<ul> <li>— up to 690 V at ambient temperature 60 °C</li> <li>rated value</li> <li>— up to 1000 V at ambient temperature 40 °C</li> </ul>	
<ul> <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</li> </ul>	330 A
<ul> <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> </ul>	330 A 300 A
<ul> <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>	330 A 300 A
<ul> <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> </ul>	330 A 300 A 225 A

- at 1000 V rated value 225 A • at AC-4 at 400 V rated value 195 A Connectable conductor cross-section in main circuit at AC-1 • at 60 °C minimum permissible 185 mm* Operating current for approx. 20000 operating oycles at AC-4 • at 400 V rated value 87 A • at 400 V rated value 86 A Operating power • at AC-1 - at 230 V at 60 °C rated value 113 kW - at 400 V rated value 97 KW - at 400 V rated value 900 kW - at 400 V rated value 930 kW - at 400 V rated value 930 kW - at 400 V rated value 930 kW - at 690 V rated value 940 kW - at 600 V for ated value 940 kW - at 600 V for ated value 940 kW - at 600		
at AC:4 at 400 V rated value195 AConnectable conductor cross-section in main drout at AC-1185 mm²• at 60 °C minimum permissible185 mm²• at 40 °C minimum permissible195 mm²Operating ourrent for approx. 20000 operating cycles at AC-497 A• at 600 V rated value68 AOperating power68 A• at A0 °C minied value113 kW- at 230 V rated value100 kW- at 400 V rated value300 kW- at 400 V rated value300 kW- at 400 V rated value300 kW- at 690 V rated value300 kW- at 400 V rated value300 kW- at 690 V rated value300 kW- at 400 V rated value300 kW- at 230 V rated value300 kW- at 400 V rated value300 kW- at 230 V rated value300 kW- at 230 V rated value100 kW- at 400 V rated value100 kW- at 400 V rated value315 kW- at 400 V rated value315 kW- at 400 V rated value1800 A- at 400 V r	— at 690 V rated value	225 A
Connectable conductor cross-section in main circuit at AC-1       185 mm²         • at 60 °C minimum permissible       185 mm²         • at 40 °C minimum permissible       185 mm²         Operating current for approx. 20000 operating cycles at AC-4       97 A         • at 400 V rated value       88 A         Operating current for approx. 20000 operating cycles at AC-1       88 A         - at 230 V at 60 °C rated value       113 kW         - at 400 V rated value       300 kW         - at 400 V rated value       300 kW         - at 690 V rated value       340 kW         - at 690 V rated value       340 kW         - at 690 V rated value       340 kW         - at 690 V rated value       110 kW         - at 200 V rated value       110 kW         - at 200 V rated value       100 kW         - at 400 V rated value       100 kW         - at 400 V rated value       100 kW         - at 600 V rated value       100 kW         - at 400 V rated value       100 kW         - at 400 V rated value       100 kW         - at 600 V rated value       100 kW	— at 1000 V rated value	
at AC-1 i at 40 °C minimum permissible i at 400 V rated value i at 600 °C rated value i at 600 V rated value i at 400 V rated value i at 600 °C r	• at AC-4 at 400 V rated value	195 A
• at 60 °C minimum permissible185 mm²• at 40 °C minimum permissible185 mm²Operating current for approx. 200000 operating cycles at AC-497 A• at 400 V rated value97 A• at 690 V rated value68 AOperating power68 A• at AC-1113 kW- at 400 V rated value113 kW- at 400 V rated value113 kW- at 400 V rated value197 kW- at 400 V rated value300 kW- at 690 V rated value300 kW- at 690 V rated value340 kW- at 690 V rated value340 kW- at 690 V rated value110 kW- at 1000 V rated value110 kW- at 230 V rated value110 kW- at 690 V rated value110 kW- at 200 V rated value110 kW- at 200 V rated value110 kW- at 500 V rated value100 kW- at 500 V rated value110 kW- at 500 V rated value100 kW- at 690 V rated value110 kW- at 500 V rated value100 kW- at 600 V rated value100 kW- at 600 V rated value100 kW- at 1000 V rated value180 kM- at 600 V rated value180 kW- at 600 V rated value1800 APower loss [W] at AC-3 at 400 V for rated value of the operating current limited to 10 s1800 APower loss [W] at AC-3 at 400 V for rated value2000 1/h- at AC2000 1/h2000 1/h- at AC2000 1/h- at AC2000 1/h <tr< td=""><td>Connectable conductor cross-section in main circuit</td><td></td></tr<>	Connectable conductor cross-section in main circuit	
at 40 °C minimum permissible       185 mm²         Operating current for approx. 200000 operating cycles at AC-4       97 A         • at 400 V rated value       68 A         Operating power       68 A         • at A00 V rated value       113 kW         - at 230 V at 60 °C rated value       113 kW         - at 400 V rated value       113 kW         - at 400 V rated value       300 kW         - at 400 V rated value       300 kW         - at 400 V rated value       340 kW         - at 400 V rated value       340 kW         - at 690 V at 60 °C rated value       340 kW         - at 690 V rated value       340 kW         - at 400 V rated value       110 kW         - at 200 V rated value       110 kW         - at 400 V rated value       110 kW         - at 200 V rated value       100 kW         - at 200 V rated value       100 kW         - at 200 V rated value       100 kW         - at 400 V rated value       100 kW         - at 600 V rated value       100 kW         - at 600 V rated value       100 kW		105
Operating current for approx. 20000 operating cycles at AC-4       97 A         • at 400 V rated value       97 A         • at 690 V rated value       68 A         Operating power       • at AC-1         • at AC-1       - at 230 V at 60 °C rated value         • at AC-1       - at 400 V rated value         - at 400 V rated value       113 kW         - at 400 V rated value       197 kW         - at 400 V rated value       300 kW         - at 690 V rated value       340 kW         - at 690 V rated value       110 kW         - at 1000 V rated value       110 kW         - at 200 V rated value       110 kW         - at 200 V rated value       160 kW         - at 200 V rated value       150 kW         - at 690 V rated value       100 kW         - at 000 V rated value       35 kW         Operating power for approx. 20000 operating cycles       315 kW         Operating power for approx. 20000 operating cycles       34 AC-4         • at A00 V rated value       9 kW         • at A00 V rated value       9 W         • at A02 value	·	
cycles at AC-497 A• at 400 V rated value97 A• at 690 V rated value68 AOperating power• at AC-1- at 230 V at 60 °C rated value113 kW- at 400 V rated value197 kW- at 400 V rated value300 kW- at 690 V rated value300 kW- at 690 V rated value340 kW- at 690 V rated value340 kW- at 690 V rated value492 kW- at 600 V rated value492 kW- at 1000 V rated value110 kW- at 230 V rated value110 kW- at 230 V rated value160 kW- at 230 V rated value150 kW- at 230 V rated value160 kW- at 690 V rated value150 kW- at 690 V rated value150 kW- at 690 V rated value160 kW- at 690 V rated value150 kW- at 690 V rated value160 kW- at 690 V rated value190 kW- at 690 V rated value190 kW- at 1000 V rated value90 kW- at 690 V rated value90 kW- at 600 V rated value90 kW- at 600 V rate	•	185 mm²
at 630 V rated value       68 A         Operating power       113 kW         - at 230 V at 60 °C rated value       113 kW         - at 400 V rated value       197 kW         - at 400 V rated value       300 kW         - at 690 V rated value       340 kW         - at 690 V rated value       340 kW         - at 690 V rated value       340 kW         - at 690 V rated value       492 kW         - at 690 V rated value       110 kW         - at 230 V rated value       110 kW         - at 230 V rated value       110 kW         - at 230 V rated value       110 kW         - at 400 V rated value       110 kW         - at 400 V rated value       100 kW         - at 400 V rated value       200 kW         - at 400 V rated value       100 kW         - at 600 V rated value       200 kW         - at 400 V rated value       15 kW         Operating power for approx. 200000 operating cycles       15 kW         Thermal short-time current limited to 10 s       1 800 A         Power loss (W) at AC-3 at 400 V for rated value       9 W         • at AC       2 000 1/h         • at AC       2 000 1/h         • at AC       2 000 1/h         • at AC<	Operating current for approx. 200000 operating cycles at AC-4	
Operating power• at AC-1- at 230 V at 60 °C rated value113 kW- at 400 V rated value197 kW- at 400 V rated value300 kW- at 690 V rated value300 kW- at 690 V rated value340 kW- at 690 V rated value440 kW- at 690 V rated value492 kW- at 1000 V rated value492 kW• at AC-2 at 400 V rated value110 kW• at AC-3 at 230 V rated value110 kW- at 690 V rated value160 kW- at 690 V rated value315 kWOperating power for approx. 200000 operating cyclesat AC-455 kW• at 400 V rated value55 kW• at 400 V rated value94 kWThermal short-time current limited to 10 s1 800 APower loss [W] at AC-3 at 400 V for rated value of the operating frequency9 W• at AC-12 000 1/h• at AC-12 000 1/h• at DC2 000 1/hOperating frequency2 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum300 1/h• at AC-4 maximum250 1/h	• at 400 V rated value	97 A
• at AC-1I 13 kW- at 230 V at 60 °C rated value113 kW- at 400 V rated value197 kW- at 400 V at 60 °C rated value300 kW- at 690 V rated value340 kW- at 690 V rated value340 kW- at 690 V rated value340 kW- at 1000 V at 60 °C rated value492 kW• at AC-2 at 400 V rated value110 kW• at AC-3 at 230 V rated value110 kW- at 230 V rated value110 kW- at 230 V rated value160 kW- at 400 V rated value160 kW- at 690 V rated value160 kW- at 690 V rated value150 kW- at 1000 V rated value150 kW- at 690 V rated value180 kW- at 690 V rated value180 kW- at 690 V rated value190 kW- at 690 V rated value180 kW- at 690 V rated value90 kW- at 400 V rated value180 kW- at 400 V rated value94 kWThermal short-time current limited to 10 s1 800 APower loss [M] at AC-3 at 400 V for rated value of the operating frequency9 W• at AC2 000 1/h• at AC2 000 1/h• at AC-1 maximum800 1/h• at AC-3 maximum300 1/h• at AC-3 maximum300 1/h	• at 690 V rated value	68 A
	Operating power	
at 400 V rated value197 kW- at 400 V rated value300 kW- at 690 V rated value340 kW- at 690 V rated value340 kW- at 690 V at 60 °C rated value492 kW- at 1000 V at 60 °C rated value492 kW• at AC-2 at 400 V rated value110 kW• at AC-3 at 230 V rated value110 kW- at 690 V rated value110 kW- at 690 V rated value110 kW- at 690 V rated value100 kW- at 690 V rated value315 kWOperating power for approx. 200000 operating cyclesat AC-455 kW• at 400 V rated value55 kW• at 400 V rated value94 kWThermal short-time current limited to 10 s1 800 APower loss [M] at AC-3 at 400 V for rated value of the operating current per conductorNo-load switching frequency2 000 1/h• at AC2 000 1/h• at AC2 000 1/h• at AC2 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum750 1/h• at AC-4 maximum550 1/h	• at AC-1	
at 400 V at 60 °C rated value300 kW- at 600 V rated value340 kW- at 690 V at 60 °C rated value340 kW- at 690 V at 60 °C rated value492 kW- at 1000 V at 60 °C rated value492 kW• at AC-2 at 400 V rated value110 kW• at AC-3 at 230 V rated value110 kW- at 400 V rated value110 kW- at 500 V rated value160 kW- at 690 V rated value160 kW- at 690 V rated value315 kWOperating power for approx. 20000 operating cyclesat AC-455 kW• at 400 V rated value55 kW• at 400 V rated value55 kW• at 690 V rated value94 kWThemal short-line current limited to 10 s1 800 APower loss [M] at AC-3 at 400 V for rated value of the operating current per conductor9 W• at AC2 000 1/hOperating frequency2 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum300 1/h	— at 230 V at 60 °C rated value	113 kW
In the order of the order- at 690 V rated value340 kW- at 690 V at 60 °C rated value340 kW- at 1000 V at 60 °C rated value492 kW• at AC-2 at 400 V rated value110 kW• at AC-3 at 230 V rated value110 kW- at 400 V rated value110 kW- at 500 V rated value160 kW- at 500 V rated value200 kW- at 690 V rated value315 kWOperating power for approx. 20000 operating cyclesat AC-455 kW• at 400 V rated value55 kW• at 400 V rated value55 kW• at 690 V rated value94 kWThermal short-time current limited to 10 s1 800 APower loss [W] at AC-3 at 400 V for rated value of • at AC9 W• at AC2 000 1/h• at AC2 000 1/h• at AC300 1/h• at AC-1 maximum300 1/h• at AC-2 maximum300 1/h• at AC-3 maximum750 1/h	— at 400 V rated value	197 kW
- at 690 V at 60 °C rated value340 kW- at 1000 V at 60 °C rated value492 kW• at AC-2 at 400 V rated value110 kW• at AC-3 at 230 V rated value55 kW- at 400 V rated value110 kW- at 400 V rated value160 kW- at 500 V rated value160 kW- at 690 V rated value315 kWOperating power for approx. 200000 operating cyclesat 4C-455 kW• at 400 V rated value315 kWOperating power for approx. 200000 operating cyclesat 4C-41800 A• at 400 V rated value94 kWThermal short-time current limited to 10 s1 800 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor9 W• at AC2 000 1/h• at AC2 000 1/h	— at 400 V at 60 °C rated value	300 kW
In the or of the or of the or of the of th	— at 690 V rated value	340 kW
	— at 690 V at 60 °C rated value	340 kW
<ul> <li>at AC-3         <ul> <li>at AC-3</li> <li>at AC-3</li> <li>at AC-3</li> </ul> </li> <li>at AC-3</li> <li>at AC-3</li> <li>at 400 V rated value</li> <li>110 kW</li> <li>at 500 V rated value</li> <li>160 kW</li> <li>at 690 V rated value</li> <li>200 kW</li> </ul> <li>at 690 V rated value</li> <li>315 kW</li> <li>Operating power for approx. 200000 operating cycles at AC-4</li> <li>at 400 V rated value</li> <li>55 kW</li> <li>at 690 V rated value</li> <li>94 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-1 maximum</li> <li>at AC-2 maximum</li> <li>300 1/h</li> <li>at AC-3 maximum</li> <li>500 1/h</li> </ul> </li>	— at 1000 V at 60 °C rated value	492 kW
at 230 V rated value55 kW at 400 V rated value110 kW at 500 V rated value160 kW at 690 V rated value200 kW at 1000 V rated value315 kWOperating power for approx. 200000 operating cycles at AC-455 kW• at 400 V rated value94 kW• at 690 V rated value94 kW• at 690 V rated value99 W• at 690 V rated value9 W• at AC-42 000 1/h• at AC2 000 1/h• at AC2 000 1/h• at AC2 000 1/h• at AC300 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum300 1/h• at AC-4 maximum550 1/h	• at AC-2 at 400 V rated value	110 kW
	• at AC-3	
	— at 230 V rated value	55 kW
at 690 V rated value200 kW at 1000 V rated value315 kWOperating power for approx. 200000 operating cycles at AC-4315 kW• at 400 V rated value55 kW• at 690 V rated value94 kWThermal short-time current limited to 10 s1 800 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor9 WNo-load switching frequency • at AC • at DC2 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h	— at 400 V rated value	110 kW
at 1000 V rated value315 kWOperating power for approx. 200000 operating cycles at AC-4	— at 500 V rated value	160 kW
Operating power for approx. 200000 operating cycles at AC-4         • at 400 V rated value       55 kW         • at 690 V rated value       94 kW         Thermal short-time current limited to 10 s       1 800 A         Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor       9 W         No-load switching frequency       2 000 1/h         • at AC       2 000 1/h         • at AC-1 maximum       800 1/h         • at AC-2 maximum       300 1/h         • at AC-3 maximum       750 1/h         • at AC-4 maximum       250 1/h	— at 690 V rated value	200 kW
at AC-455 kW• at 400 V rated value94 kW• at 690 V rated value94 kWThermal short-time current limited to 10 s1 800 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor9 WNo-load switching frequency • at AC2 000 1/h• at AC • at DC2 000 1/hOperating frequency • at AC-1 maximum800 1/h• at AC-2 maximum • at AC-3 maximum300 1/h• at AC-4 maximum250 1/h	— at 1000 V rated value	315 kW
• at 400 V rated value55 kW• at 690 V rated value94 kWThermal short-time current limited to 10 s1 800 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor9 WNo-load switching frequency2 000 1/h• at AC • at DC2 000 1/hOperating frequency2 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 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 value94 kWThermal short-time current limited to 10 s1 800 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor9 WNo-load switching frequency • at AC • at DC2 000 1/hOperating frequency2 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum500 1/h• at AC-4 maximum250 1/h	at AC-4	
Thermal short-time current limited to 10 s1 800 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor9 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 maximum800 1/h• at AC-4 maximum • at AC-4 maximum250 1/h	• at 400 V rated value	55 kW
Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor9 WNo-load switching frequency2 000 1/h• at AC2 000 1/h• at DC2 000 1/hOperating frequency800 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h	• at 690 V rated value	94 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 maximum800 1/h• at AC-2 maximum300 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	9 W
• at DC2 000 1/hOperating frequency800 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h	No-load switching frequency	
Operating frequency800 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h	• at AC	2 000 1/h
• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h	• at DC	2 000 1/h
• at AC-2 maximum300 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	800 1/h
• at AC-4 maximum 250 1/h	• at AC-2 maximum	300 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	575 600 V
• at 60 Hz rated value	575 600 V
Control supply voltage at DC	
rated value	575 600 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	590 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	6.1 V·A
Inductive power factor with the holding power of the	
coil	
• at 50 Hz	0.9
Closing power of magnet coil at DC	700 W
Holding power of magnet coil at DC	8.2 W
Closing delay	30 95 ms
• at AC	30 95 ms
• at DC	30 95 ms
Opening delay	40 80 ms
• at AC	40 80 ms
• at DC	10 15 ms
Arcing time Control version of the switch operating mechanism	Standard A1 - A2
	Stanudiù AT - AZ
Auxiliary circuit	
Number of NC contacts for auxiliary contacts	
<ul> <li>instantaneous contact</li> </ul>	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

Full-load current (FLA) for three-phase AC motor	
• at 480 V rated value	180 A
• at 600 V rated value	192 A
Yielded mechanical performance [hp]	
<ul> <li>for three-phase AC motor</li> </ul>	
— at 200/208 V rated value	60 hp
— at 220/230 V rated value	75 hp
— at 460/480 V rated value	150 hp
— at 575/600 V rated value	200 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: 500 A (690 V, 100 kA)
— with type of assignment 2 required	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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)

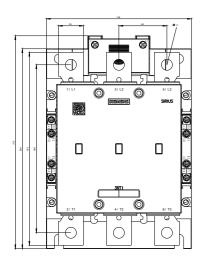
Installation/ mounting/ dimensions

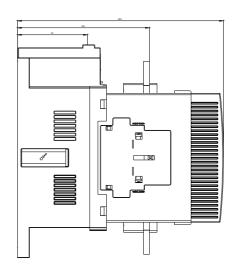
Mounting position	+/-22,5° rotation possible on vertical mounting surface; can be
	tilted forward and backward by +/- 22.5° on vertical mounting
	surface; standing, on horizontal mounting surface
Mounting type	screw fixing
<ul> <li>Side-by-side mounting</li> </ul>	Yes
Height	210 mm
Width	145 mm
Depth	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)

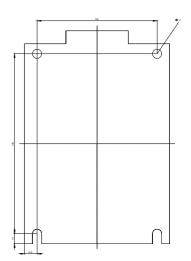
• at AWG conductors for auxiliary con	ntacts	2x (20 16), 2x (18 14	4), 1x 12	
AWG number as coded connectable cond section	luctor cross			
<ul> <li>for auxiliary contacts</li> </ul>		18 14		
Safety related data				
Product function				
<ul> <li>Mirror contact acc. to IEC 60947-4-2</li> </ul>	1	Yes		
<ul> <li>positively driven operation acc. to IE</li> <li>1</li> </ul>	EC 60947-5-	No		
Protection against electrical shock		finger-safe when touched	l 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
Test CertificatesType Test Certificatesates/Test Reportficate	Marine / S	hipping	DNVGLCOM/AF	other Confirmation
Type Test Certific- Special Test Certi-	ALCAN BURA		DNV.GL	
Type Test Certific- ates/Test Report         Special Test Certi- ficate	ALCAN BURA		DNV.GL	
Type Test Certific- ates/Test Report       Special Test Certi- ficate         other       Special Test Certi- ficate	ALCAN BURA		DNV.GL	
Type Test Certific- ates/Test Report       Special Test Certi- ficate         other       Miscellaneous         Miscellaneous       Vertical State         Further information       Information- and Downloadcenter (Catalog)	ABS	RMRS	DNV.GL	
Type Test Certific- ates/Test Report       Special Test Certi- ficate         other       Miscellaneous	ABS ABS	)	DNV.GL	
Type Test Certific- ates/Test Report       Special Test Certi- ficate         other	ABS ABS gs, Brochures alogs satalog/product?	p)		
Type Test Certific- ates/Test Report       Special Test Certi- ficate         other	ABS ABS alogs atalog/product? AXorder/default. Characteristics	) mlfb=3RT1264-6AT36 aspx?lang=en&mlfb=3RT1264 s, FAQs,)		

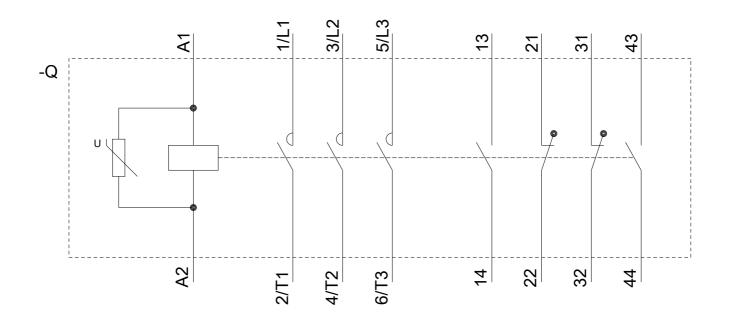
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1264-6AT36&lang=en

Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT1264-6AT36/char









last modified:

12/22/2018

12/26/2018