## **SIEMENS**

## Data sheet

## 3RT1055-6AB36

CONTACTOR, 75KW/400V/AC-3, AC(40...60HZ)/DC OPERATION UC 23...26V AUXIL. CONTACTS 2NO+2NC 3-POLE, SIZE S6 BAR CONNECTIONS CONVENTIONAL OPERATING MECHAN.



Figure similar

product brand name	SIRIUS
Product designation	power contactor
General technical data:	
Size of contactor	S6
Insulation voltage	
• rated value	1 000 V
Surge voltage resistance rated value	8 kV
Protection class IP	
• on the front	IP00
• of the terminal	IP00
Degree of pollution	3
Shock resistance	
<ul> <li>at rectangular impulse</li> </ul>	
— at AC	8,5g / 5 ms, 4,2g / 10 ms
— at DC	8,5g / 5 ms, 4,2g / 10 ms
• 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)	



15.02.2016

<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronics-</li> </ul>	5 000 000
compatible auxiliary switch block typical	
• of the contactor with added auxiliary switch	10 000 000
block typical	
Ambient conditions:	
Installation altitude at height above sea level	2 000 m
maximum	
Ambient temperature	
during operation	-25 +60 °C -55 +80 °C
during storage	-35 +60 C
Main circuit:	
Number of NO contacts for main contacts	3
Number of NC contacts for main contacts	0
Operating current	
• at AC-1 at 400 V	
— at ambient temperature 40 °C rated value	185 A
• at AC-1 up to 690 V	
— at ambient temperature 40 °C rated value	185 A
— at ambient temperature 60 °C rated value	160 A
• at AC-3	
— at 400 V rated value	150 A
— at 690 V rated value	150 A
Connectable conductor cross-section in main circuit at AC-1	
• at 60 °C minimum permissible	70 mm <sup>2</sup>
• at 40 °C minimum permissible	95 mm²
Operating current for approx. 200000 operating	
cycles at AC-4	
• at 400 V rated value	68 A
• at 690 V rated value	57 A
Operating current	
• at 1 current path at DC-1	100.4
— at 24 V rated value	160 A
— at 110 V rated value	18 A
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	160 A
— at 110 V rated value	160 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	160 A
— at 110 V rated value	160 A
Operating current	



• al 1 current path at DC-3 at DC-5IBO A- at 24 V rated value2.5 A• with 2 current paths in series at DC-3 at DC-5160 A- at 110 V rated value160 A- at 24 V rated value160 A- at 250 V at 60 °C rated value160 KW- at 250 V at 60 °C rated value181 KW- at 250 V rated value184 KW- at 250 V rated value105 KW- at 250 V rated value105 KW- at 600 V rated value1300 APower loss [W] at AC-3 at 400 V for rated value1300 APower loss [W] at AC-3 at 400 V for rated value9 W- et 600 V rated value1300 APower loss [W] at AC-3 at 400 V for rated value1300 APower loss [W] at AC-3 at 400 V for rated value		
with 2 current paths in series at DC-3 at DC-5       160 A         - at 24 V rated value       160 A         - at 24 V rated value       160 A         - at 110 V rated value       160 A         - at 124 V rated value       160 A         - at 24 V rated value       160 A         - at 24 V rated value       160 A         - at 24 V rated value       160 A         - at 230 V rated value       100 KW         - at 630 V rated value       181 KW         - at 630 V rated value       181 KW         - at 230 V rated value       84 KW         - at 230 V rated value       84 KW         - at 230 V rated value       195 KW         - at 230 V rated value       146 KW         Operating power for approx. 200000 operating cycles       146 KW         - at 600 V rated value       165 KW         - at 600 V rated value       160 KW         - at 600 V rated value       160 KW         - at AC-3       140 KW         - at 600 V rated value       160 KW         - at AC-4       2000 1/n         - at AC-4       2	— at 24 V rated value	
- at 110 V rated value         160 A           - at 24 V rated value         160 A           - at 24 V rated value         160 A           - at 110 V rated value         160 A           - at 24 V rated value         160 A           - at 230 V rated value         06 kW           - at 400 V rated value         181 kW           - at 690 V rated value         181 kW           - at 690 V rated value         181 kW           - at 230 V rated value         160 kW           - at 230 V rated value         105 kW           - at 300 V rated value         105 kW           - at 690 V rated value         105 kW           - at 690 V rated value         105 kW           - at 690 V rated value         180 kW           - at 690 V rated value         180 kW           - at 690 V rated value         190 kW           - at 690 V rated value         190 kW           - at 690 V rated value         190 A<	— at 110 V rated value	2.5 A
at 24 V rated value160 A• with 3 current paths in series at DC-3 at DC-5160 A- at 24 V rated value160 A- at 24 V rated value160 A- at 24 V rated value160 A- at 230 V at 60 °C rated value60 kW- at 400 V rated value105 kW- at 690 V rated value181 kW- at 690 V rated value181 kW- at 690 V rated value84 kW• at AC-384 kW- at 230 V rated value105 kW- at 400 V rated value84 kW• at AC-3 at 230 V rated value105 kW- at 420 V rated value84 kW• at AC-3 at 630 V rated value105 kW- at 400 V rated value200 1/n- at 400 V rated value200 1/n- at 400 V rated value100 APower loss [W] at AC-3 at 400 V for rated value of the operating current limited to 10 s+ at AC2 000 1/n- at AC2 000 1/n- at AC2 000 1/n- at AC2 000 1/n- at AC-1 maximum300 1/n- at AC-2 maximum <td< th=""><th><ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul></th><th></th></td<>	<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
with 3 current paths in series at DC-3 at DC-560 A- at 24 V rated value160 A- at 24 V rated value160 A- at 230 V rated value160 KW- at 400 V rated value105 kW- at 690 V rated value181 kW- at 690 V rated value84 kW- at 230 V rated value105 kW- at 400 V rated value105 kW- at 400 V rated value105 kW- at 690 V rated value105 kW- at 690 V rated value105 kW- at 690 V rated value20 kW- at 690 V rated value1300 APower loss [M] at AC-3 at 400 V ror rated value of the operating current per conductor- at AC2000 1/h- at AC-3 maximum300 1/h- at AC-4 maximum300 1	— at 110 V rated value	160 A
- at 110 V rated value160 A- at 24 V rated value160 AOperating power • at AC-160 kW- at 320 V at 60 °C rated value05 kW- at 320 V rated value105 kW- at 690 V rated value181 kW- at 690 V rated value181 kW- at 620 V rated value84 kW• at AC-220 V rated value• at AC-350 kW- at 230 V rated value84 kW• at 400 V rated value84 kW- at 230 V rated value105 kW- at 230 V rated value105 kW- at 230 V rated value105 kW- at 690 V rated value90 kW• at 400 V rated value130 APower loss [M] at AC-3 at 400 V for rated value of the operating oursent per conductor90 WNo-load switching frequency90 l/h• at AC-1 maximum800 l/h• at AC-3 maximum300 l/h• at AC-3 maximum750 l/h• at AC-1 maximum750 l/h• at AC-4 maximum750 l/h<	— at 24 V rated value	160 A
- al 24 V rated value160 AOperating power at 230 V at 60 °C rated value60 kW- at 230 V at 60 °C rated value105 kW- at 400 V rated value181 kW- at 690 V rated value181 kW- at 690 V rated value84 kW- at 230 V rated value84 kW- at 230 V rated value50 kW- at 230 V rated value84 kW- at 230 V rated value84 kW- at 400 V rated value84 kW- at 400 V rated value84 kW- at 400 V rated value105 kW- at 690 V rated value84 kW- at 690 V rated value105 kW- at 690 V rated value105 kW- at 690 V rated value105 kW- at 690 V rated value94 kW- at 690 V rated value105 kW- at 690 V rated value90 kW- at 690 V rated value1300 APower los [M] at AC-3 at 400 V for rated value of the operating corrent per conductorNo-load switching frequency90 W- at AC2000 1/h- at AC2000 1/h- at AC-1 maximum800 1/h- at AC-1 maximum800 1/h- at AC-1 maximum130 1/h- at AC-1 maximum	<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
Operating power       e at AC-1         - at 230 V at 60 °C rated value       60 kW         - at 400 V rated value       105 kW         - at 690 V at 60 °C rated value       181 kW         - at 690 V rated value       84 kW         - at 620 V rated value       84 kW         • at AC-3       -         - at 230 V rated value       84 kW         • at AC-3       -         - at 230 V rated value       84 kW         • at AC-3       -         - at 230 V rated value       105 kW         - at 690 V rated value       84 kW         - at 690 V rated value       105 kW         - at 690 V rated value       105 kW         - at 690 V rated value       105 kW         - at 690 V rated value       146 kW         Operating power for approx. 200000 operating cycles       1 300 A         * ta 400 V rated value       55 kW         Thermal short-time current limited to 10 s       9 W         • at 400 V rated value       1 300 A         • at AC-4       2 000 1/h         • at AC-1 maximum       800 1/h         • at AC-1 maximum       800 1/h         • at AC-1 maximum       300 1/h         • at AC-1 maximum       300 1/h      <	— at 110 V rated value	160 A
• at AC-160 kW- at 230 V at 60 °C rated value60 kW- at 400 V rated value105 kW- at 690 V rated value181 kW- at 690 V rated value181 kW• at AC-2 at 400 V rated value84 kW• at AC-350 kW- at 230 V rated value50 kW- at 230 V rated value105 kW- at 230 V rated value105 kW- at 400 V rated value105 kW- at 690 V rated value9 W• at 400 V rated value1300 APower for approx. 200000 operating cycles1 300 APower loss [W] 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 AC-1 maximum800 1/h• at AC-1 maximum300 1/h• at AC-1 maximum300 1/h• at AC-4 maximum400 L• at 60 Hz rated value23 26 V	— at 24 V rated value	160 A
- at 230 V at 60 °C rated value60 kW- at 400 V rated value105 kW- at 690 V rated value181 kW- at 690 V rated value181 kW- at 690 V rated value181 kW- at AC-3 at 230 V rated value50 kW- at 400 V rated value84 kW- at 400 V rated value105 kW- at 690 V rated value105 kW- at 690 V rated value105 kW- at 690 V rated value146 kW- at 690 V rated value38 kW- at 690 V rated value55 kWThermal short-time current limited to 10 s1 300 APower loss [M] 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 AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum300 1/h• at AC-4 maximum300 1/h• a	Operating power	
- at 400 V rated value105 kW- at 690 V rated value181 kW- at 690 V rated value181 kW- at 600 V rated value84 kW• at AC-3 at 200 V rated value50 kW- at 400 V rated value84 kW- at 400 V rated value105 kW- at 690 V rated value106 kW- at 690 V rated value106 kW- at 690 V rated value38 kW• at 400 V rated value58 kW• at 690 V rated value38 kW• at 690 V rated value9 W• at 690 V rated value1300 APower loss [M] 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 AC2 000 1/h• at AC2 000 1/h• at AC-1 maximum300 1/h• at AC-2 maximum300 1/h• at AC-3 maximum300 1/h• at AC-4 maximum130 1/h• at 60 Hz rated value23 26 V• at 60 Hz rated value23 26 V	● at AC-1	
at 690 V rated value181 kW at 690 V at 60 °C rated value181 kW at 690 V at 60 °C rated value84 kW at AC-3	— at 230 V at 60 °C rated value	60 kW
- at 680 V at 60 °C rated value181 kW- at 680 V at 60 °C rated value84 kW- at AC-2 at 400 V rated value84 kW- at 230 V rated value50 kW- at 400 V rated value105 kW- at 680 V rated value105 kW- at 680 V rated value146 kWOperating power for approx. 20000 operating cycles at AC-438 kW• at 400 V rated value38 kW• at 400 V rated value55 kWThermal short-time current limited to 10 s1 300 APower loss [M] at AC-3 at 400 V for rated value of the operating current per conductor9 W• at AC2 000 1/hNoload switching frequency2 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-2 maximum300 1/h• at AC-4 maximum130 1/h• at AC-4 maximum25 kWControl circuit/ Control:2000 1/h• at AC-4 maximum800 1/h• at AC-4 maximum800 1/h• at AC-4 maximum300 1/h <th>— at 400 V rated value</th> <th>105 kW</th>	— at 400 V rated value	105 kW
• at AC-2 at 400 V rated value84 kW• at AC-350 kW- at 230 V rated value50 kW- at 400 V rated value84 kW- at 500 V rated value105 kW- at 690 V rated value146 kWOperating power for approx. 200000 operating cycles at AC-438 kW• at 400 V rated value38 kW• at 400 V rated value38 kW• at 690 V rated value9 kW• at 690 V rated value1300 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor9 kW• at AC2 000 1/hNolead switching frequency • at AC2 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-2 maximum300 1/h• at AC-4 maximum130 1/h• at AC-4 maximum23 26 V• at 60 Hz rated value23 26 V	— at 690 V rated value	181 kW
at AC-350 kW- at 230 V rated value50 kW- at 400 V rated value84 kW- at 500 V rated value105 kW- at 690 V rated value146 kWOperating power for approx. 200000 operating cycles at AC-438 kW• at 400 V rated value38 kW• at 690 V rated value55 kWThermal short-time current limited to 10 s1 300 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor9 W• at AC2 000 1/hNo-load switching frequency • at AC-1 maximum2 000 1/h• at AC-2 maximum300 1/h• at AC-3 maximum300 1/h• at AC-4 maximum30 1/h• at AC-4 maximum<	— at 690 V at 60 °C rated value	181 kW
- at 230 V rated value50 kW- at 400 V rated value84 kW- at 500 V rated value105 kW- at 690 V rated value146 kWOperating power for approx. 200000 operating cycles at AC-4	• at AC-2 at 400 V rated value	84 kW
at 400 V rated value84 kW- at 500 V rated value105 kW- at 690 V rated value146 kWOperating power for approx. 200000 operating cycles at AC-4146 kW• at 400 V rated value38 kW• at 690 V rated value55 kWThermal short-time current limited to 10 s1 300 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 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 maximum130 1/h• at AC-4 maximum750 1/h• at AC-4 maximum23 26 V• at 50 Hz rated value23 26 V	• at AC-3	
at 500 V rated value105 kW at 690 V rated value146 kWOperating power for approx. 20000 operating cycles at AC-4146 kW• at 400 V rated value38 kW• at 690 V rated value38 kW• at 690 V rated value38 kW• at 690 V rated value55 kWThermal short-time current limited to 10 s1 300 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 AC2 000 1/h• at AC2 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum300 1/h• at AC-4 maximum300 1/h• at AC-4 maximum300 1/h• at AC-4 maximum250 1/h• at AC-4 maximum300 1/h• at AC-4 maximum30 1/h• at AC-4 maximum30 1/h• at AC-4 maximum30 1/h• at AC-4 maximum30 1/h• at AC-4 maximum23 26 V• at 60 Hz rated value23 26 V• at 60 Hz rated value23 26 V	— at 230 V rated value	50 kW
at 690 V rated value146 kWOperating power for approx. 20000 operating cycles at AC-438 kW- at 400 V rated value38 kW- at 400 V rated value38 kW- at 690 V rated value55 kWThermal short-time current limited to 10 s1 300 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 AC2 000 1/h- at AC2 000 1/h- at AC-1 maximum800 1/h- at AC-1 maximum800 1/h- at AC-2 maximum300 1/h- at AC-4 maximum300 1/h- at AC-4 maximum600 1/h- at AC-4 maximum600 1/h- at AC-4 maximum600 1/h- at AC-4 maximum600 1/h- at AC-4 maximum300 1/h- at AC-4 maximum30 1/h- at AC-4 maximum30 1/h <t< th=""><th>— at 400 V rated value</th><th>84 kW</th></t<>	— at 400 V rated value	84 kW
Operating power for approx. 200000 operating cycles at AC-4         Second	— at 500 V rated value	105 kW
at AC-4Similar Control supply voltage• at AC-438 kW• at 690 V rated value55 kWThermal short-time current limited to 10 s1 300 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 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 maximum300 1/h• at AC-4 maximum1300 1/h• at AC-4 maximum130 1/h• at AC-4 maximum130 1/h• at AC-4 maximum130 1/h• at AC-4 maximum130 1/h• at AC-4 maximum2326 V• at 60 Hz rated value2326 V	— at 690 V rated value	146 kW
• at 400 V rated value38 kW• at 690 V rated value55 kWThermal short-time current limited to 10 s1 300 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 AC2 000 1/h• at DC2 000 1/hOperating frequency300 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum300 1/h• at AC-3 maximum300 1/h• at AC-4 maximum300 1/h <t< th=""><th>Operating power for approx. 200000 operating cycles</th><th></th></t<>	Operating power for approx. 200000 operating cycles	
• at 690 V rated value55 kWThermal short-time current limited to 10 s1 300 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 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 maximum300 1/h• at AC-3 maximum130 1/h• at AC-4 maximum130 1/h• at AC-4 maximum2 0/L• at AC-4 maximum2 0/L• at AC-4 maximum300 1/h• at AC-4 maximum2 0/L• at AC-4 maximum2 0/L• at AC-4 maximum300 1/h• at AC-4 maximum2 0/L• at AC-4 maximum2 0/L• at AC-4 maximum300 1/h• at AC-4 maximum30 1/h• at AC-4 maximum23 26 V• at 50 Hz rated value23 26 V• at 60 Hz rated value23 26 V	at AC-4	
Thermal short-time current limited to 10 s1 300 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 AC2 000 1/h• at AC2 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum300 1/h• at AC-4 maximum300 1/h• at AC-4 maximum300 1/h• at AC-4 maximum300 1/h• at AC-4 maximum750 1/h• at AC-4 maximum23 26 V• at 50 Hz rated value23 26 V	• at 400 V rated value	38 kW
Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor9 WNo-load switching frequency9 W• 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 maximum300 1/h• at AC-4 maximum130 1/h• at AC-4 maximumAC/DCControl circuit/ Control:Type of voltage of the control supply voltageAC/DCControl supply voltage at AC23 26 V• at 50 Hz rated value23 26 V• at 60 Hz rated value23 26 V		55 kW
the operating current per conductor       Image: conductor         No-load switching frequency       2 000 1/h         • at AC       2 000 1/h         • at DC       2 000 1/h         Operating frequency       2 000 1/h         • at AC-1 maximum       800 1/h         • at AC-2 maximum       300 1/h         • at AC-2 maximum       300 1/h         • at AC-3 maximum       750 1/h         • at AC-4 maximum       130 1/h         • at AC-4 maximum       AC/DC         Control circuit/ Control:       AC/DC         Image: control supply voltage at AC       23 26 V         • at 50 Hz rated value       23 26 V		
No-load switching frequency• at AC2 000 1/h• at DC2 000 1/hOperating frequency• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-2 maximum300 1/h• at AC-3 maximum750 1/h• at AC-4 maximum130 1/hControl circuit/ Control:Control supply voltage at AC• at 50 Hz rated value23 26 V• at 60 Hz rated value23 26 V		9 W
• 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 maximum130 1/h• at AC-4 maximum130 1/h• at AC-4 maximumAC/DCControl circuit/ Control:AC/DCControl supply voltage at AC23 26 V• at 60 Hz rated value23 26 V		
• 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 maximum130 1/h• at AC-4 maximum130 1/h• at AC-4 maximumAC/DCControl circuit/ Control:Control supply voltage at AC• at 50 Hz rated value23 26 V• at 60 Hz rated value23 26 V		2,000,1/b
Operating frequency800 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum750 1/h• at AC-3 maximum130 1/h• at AC-4 maximum130 1/h• at AC-4 maximumAC/DCControl circuit/ Control:Ype of voltage of the control supply voltageAC/DCAC/DC• at 50 Hz rated value23 26 V• at 60 Hz rated value23 26 V		
• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum750 1/h• at AC-4 maximum130 1/h• at AC-4 maximum130 1/hControl circuit/ Control:Control circuit/ Control:Control supply voltage of the control supply voltage• at 50 Hz rated value23 26 V• at 60 Hz rated value23 26 V		2 000 1/11
<ul> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-4 maximum</li> <li>Too 1/h</li> <li>at AC-4 maximum</li> <li>130 1/h</li> </ul> Control circuit/ Control: Control circuit/ Control supply voltage AC/DC Control supply voltage at AC <ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>23 26 V</li> <li>23 26 V</li> </ul>		800.1/b
<ul> <li>at AC-3 maximum</li> <li>at AC-4 maximum</li> <li>at AC-4 maximum</li> <li>Type of voltage of the control supply voltage</li> <li>AC/DC</li> <li>Control supply voltage at AC</li> <li>at 50 Hz rated value</li> <li>23 26 V</li> <li>23 26 V</li> </ul>		
Control circuit/ Control:       Type of voltage of the control supply voltage     AC/DC       Control supply voltage at AC     23 26 V       • at 50 Hz rated value     23 26 V       • at 60 Hz rated value     23 26 V		
Type of voltage of the control supply voltageAC/DCControl supply voltage at AC23 26 V• at 50 Hz rated value23 26 V• at 60 Hz rated value23 26 V	• at AC-4 maximum	
Control supply voltage at AC• at 50 Hz rated value23 26 V• at 60 Hz rated value23 26 V		
• at 50 Hz rated value         23 26 ∨           • at 60 Hz rated value         23 26 ∨		AC/DC
• at 60 Hz rated value 23 26 V		
	• at 50 Hz rated value	
		23 26 V
Control supply voltage at DC	Control supply voltage at DC	



• rated value	23 26 V
● rated value	50 Hz
Control supply voltage frequency 2 rated value	60 Hz
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
Operating range factor control supply voltage rated value of magnet coil at DC	0.8 1.1
Design of the surge suppressor	with varistor
Apparent pick-up power of magnet coil at AC	300 V·A
Inductive power factor with closing power of the coil	0.9
Apparent holding power of magnet coil at AC	5.8 V·A
Inductive power factor with the holding power of the coil	0.8
Closing power of magnet coil at DC	360 W
Holding power of magnet coil at DC	5.2 W
Closing delay	
• at AC	20 95 ms
• at DC	20 95 ms
Opening delay	
• at AC	40 60 ms
• at DC	40 60 ms
Arcing time	10 15 ms
Auxiliary circuit:	
Number of NC contacts	
<ul> <li>for auxiliary contacts</li> </ul>	
— instantaneous contact	2
Number of NO contacts	
<ul> <li>for auxiliary contacts</li> </ul>	
— instantaneous contact	2
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
Operating current at DC-12	
● at 60 V rated value	6 A
• at 110 V rated value	3 A
• at 220 V rated value	1 A
Operating current at DC-13	
• at 24 V rated value	10 A
• at 60 V rated value	2 A



• at 110 V rated value	1 A
• at 220 V rated value	0.3 A
UL/CSA ratings:	
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>	
<ul> <li>— with type of assignment 1 required</li> </ul>	fuse gL/gG: 355 A
— with type of assignment 2 required	fuse gL/gG: 315 A
<ul> <li>for short-circuit protection of the auxiliary switch</li> </ul>	fuse gL/gG: 10 A
required	
Installation/ mounting/ dimensions:	
Mounting type	screw fixing
<ul> <li>Side-by-side mounting</li> </ul>	Yes
Height	172 mm
Width	120 mm
Depth	170 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
• for auxiliary and control current circuit	screw-type terminals
Type of connectable conductor cross-sections	
<ul> <li>at AWG conductors for main contacts</li> </ul>	4 250 kcmil
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)
— 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), 1x 12
Certificates/approvals	



General Prod	uct Approval		Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates
(SA)	EHC		Baumusterbescheini gung	EG-Konf.	<u>spezielle</u> Prüfbescheinigunge <u>n</u>
Test Certificat	tes	Shipping Appr	oval		
Typprüfbescheinig ng/Werkszeugnis		ABS	JÅ DNV DNV	GL	RMRS
other					
Bestätigungen	Umweltbestätigung	sonstig			

## 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=3RT10556AB36

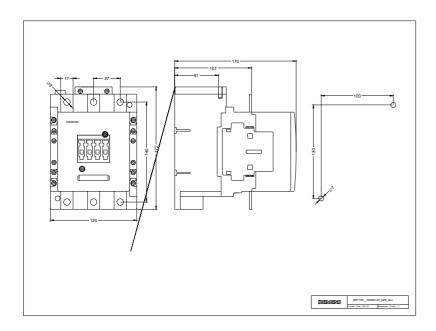
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT10556AB36

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT10556AB36

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT10556AB36&lang=en







last modified:

3RT106.-.A..6\_01\_4\_IEC.DXF 3RT107.-.A..6\_01\_4\_IEC.DXF

15.02.2016

