SIEMENS

Data sheet 3RT1056-6AP36

Contactor, AC-3, 90 kW / 400 V, 230 (50...60Hz) / DC operation 220 ... 240 V UC Auxiliary contacts 2 NO + 2 NC 3-pole, Size S6 Busbar connections Drive: conventional screw terminal



Figure similar

Product brand name	SIRIUS
Product designation	Power contactor
Product type designation	3RT1

General technical data	
Size of contactor	S6
Product extension	
 function module for communication 	No
Auxiliary switch	Yes
Insulation voltage	
rated value	1 000 V
Degree of pollution	3
Surge voltage resistance rated value	8 kV
maximum permissible voltage for safe isolation	
 between coil and main contacts acc. to EN 60947-1 	690 V
Protection class IP	
• on the front	IP00; IP20 on the front with cover / box terminal

of the terminal	IP00	
Shock resistance at rectangular impulse		
• at AC	8,5g / 5 ms, 4,2g / 10 ms	
• at DC	8,5g / 5 ms, 4,2g / 10 ms	
Shock resistance with sine pulse		
• at AC	13,4g / 5 ms, 6,5g / 10 ms	
• at DC	13,4g / 5 ms, 6,5g / 10 ms	
Mechanical service life (switching cycles)		
• of contactor typical	10 000 000	
 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	
Equipment marking		
 acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 	К	
• acc. to DIN EN 61346-2	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	215 A	
• at AC-1		
 up to 690 V at ambient temperature 40 °C rated value 	215 A	
 up to 690 V at ambient temperature 60 °C rated value 	185 A	
 up to 1000 V at ambient temperature 40 °C rated value 	100 A	
— up to 1000 V at ambient temperature 60 °C	100 A	
rated value		
rated value at AC-2 at 400 V rated value at AC-3	185 A	

— at 400 V rated value	185 A
— at 500 V rated value	185 A
— at 690 V rated value	170 A
— at 1000 V rated value	65 A
Connectable conductor cross-section in main circuit	
at AC-1	
 at 60 °C minimum permissible 	95 mm²
• at 40 °C minimum permissible	95 mm²
Operating current for approx. 200000 operating cycles at AC-4	
● at 400 V rated value	81 A
at 690 V rated value	65 A
Operating current	
• at 1 current path at DC-1	
— at 24 V rated value	160 A
— at 110 V rated value	18 A
— at 220 V rated value	3.4 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.5 A
with 2 current paths in series at DC-1	
— at 24 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	20 A
— at 440 V rated value	3.2 A
— at 600 V rated value	1.6 A
 with 3 current paths in series at DC-1 	
— at 24 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	160 A
— at 440 V rated value	11.5 A
— at 600 V rated value	4 A
Operating current	
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	160 A
— at 110 V rated value	2.5 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.17 A
— at 600 V rated value	0.12 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	2.5 A

- at 440 V rated value - at 600 V rated value • with 3 current paths in series at DC-3 at DC-5 - at 22 V rated value - at 210 V rated value - at 220 V rated value - at 440 V rated value - at 440 V rated value - at 4500 V rated value - at 600 V rated value - at 600 V rated value - at 400 V rated value - at 690 V rated value - at 690 V rated value - at 690 V rated value - at 1000 V at 60 °C rated value - at 1000 V at 60 °C rated value - at 1000 V at 60 °C rated value - at 1000 V at 60 °C rated value - at 1000 V at 60 °C rated value - at 1000 V at 60 °C rated value - at 1000 V at 60 °C rated value - at 1000 V at 60 °C rated value - at 1000 V at 60 °C rated value - at 1000 V at 60 °C rated value - at 230 V rated value - at 400 V rated value - at 400 V rated value - at 590 V rated value - at 590 V rated value - at 590 V rated value - at 690 V rated value - at 1000 V rated value - at 1000 V rated value - at 1000 V rated value - at 200 V rated value - at 200 V rated value - at 300 V rated value - at 300 V rated value - at 400 V rated value - at 690 V rated value - at 690 V rated value - at 400 V rated value - at 690 V rated value - at 690 V rated value - at 690 V rated value - at 400 V rated value - at		
• with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 160 A — at 110 V rated value 160 A — at 220 V rated value 170 A — at 440 V rated value 174 A — at 600 V rated value 0.75 A Operating power • at AC-1 — at 230 V at 60 °C rated value 70 kW — at 400 V rated value 121 kW — at 400 V rated value 121 kW — at 400 V at 60 °C rated value 121 kW — at 400 V at 60 °C rated value 121 kW — at 690 V rated value 210 kW — at 690 V rated value 90 kW • at AC-2 at 400 V rated value 90 kW • at AC-2 at 400 V rated value 90 kW • at AC-3 (Fig. 1) A Company 160 kW — at 500 V rated value 90 kW • at AC-2 at 400 V rated value 152 kW — at 500 V rated value 90 kW • at AC-2 at 400 V rated value 152 kW — at 500 V rated value 152 kW — at 690 V rated value 152 kW — at 690 V rated value 152 kW — at 690 V rated value 150 kW — at 400 V rated va	— at 440 V rated value	0.65 A
	— at 600 V rated value	0.37 A
- at 110 V rated value 160 A 180 A 1	• with 3 current paths in series at DC-3 at DC-5	
- at 220 V rated value 1.4 A	— at 24 V rated value	160 A
	— at 110 V rated value	160 A
— at 600 V rated value	— at 220 V rated value	160 A
Operating power ■ at AC-1	— at 440 V rated value	1.4 A
• at AC-1 — at 230 V at 60 °C rated value — at 400 V rated value — at 400 V rated value — at 400 V at 60 °C rated value — at 690 V rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 1000 V at 60 °C rated value — at 1000 V at 60 °C rated value — at 1000 V at 60 °C rated value — at 1000 V rated value — at 400 V rated value — at 400 V rated value — at 300 V rated value — at 500 V rated value — at 600 V rated value — at 1000 V rated value — at 1000 V rated value — at 1000 V rated value — 300 V rated value — 300 V rated value — 31 500 V rated value — 45 6W Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor No-load switching frequency — 41 AC — 41 AC — 41 AC — 41 AC-1 maximum — 41 AC-2 maximum — 50 1/h — 41 AC-3 maximum — 50 1/h — 41 AC-4 maximum — 50 1/h — 41 AC-4 maximum — 50 1/h	— at 600 V rated value	0.75 A
- at 230 V at 60 °C rated value	Operating power	
- at 400 V rated value	• at AC-1	
	— at 230 V at 60 °C rated value	70 kW
at 690 V rated value 210 kW at 690 V at 60 °C rated value 165 kW at 1000 V at 60 °C rated value 90 kW at AC-2 at 400 V rated value 90 kW at AC-3 at 230 V rated value 90 kW at 400 V rated value 90 kW at 500 V rated value 132 kW at 500 V rated value 156 kW at 1000 V rated value 90 kW at 4000 V rated value 90 kW at 400 V rated value 65 kW at 690 V rated value 65 kW at 690 V rated value 130 W at 400 V rated value 07 W at AC-3 at 400 V for rated value of 130 W at AC-3 maximum 800 1/h 100 W at AC-1 maximum 800 1/h 100 W at AC-2 maximum 800 1/h 100 W at AC-3 maximum 750 1/h 100 W at AC-4 maximum 750 1/h 100 W at AC-4 maximum 130 1/h Control Circuit/ Control Type of voltage of the control supply voltage AC/DC	— at 400 V rated value	121 kW
— at 690 V at 60 °C rated value — at 1000 V at 60 °C rated value 165 kW • at AC-2 at 400 V rated value 90 kW • at AC-3 — at 230 V rated value 90 kW — at 400 V rated value 90 kW — at 500 V rated value 132 kW — at 690 V rated value 90 kW Operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value 65 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 DC Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum Type of voltage of the control supply voltage AC/DC	— at 400 V at 60 °C rated value	121 kW
at 1000 V at 60 °C rated value 165 kW • at AC-2 at 400 V rated value 90 kW • at AC-3 at 230 V rated value 61 kW at 400 V rated value 90 kW at 500 V rated value 132 kW at 690 V rated value 90 kW at 1000 V rated value 90 kW Operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 45 kW • at 690 V rated value 55 kW Thermal short-time current limited to 10 s 13 W Thermal short-time current limited to 10 s 13 W The operating current per conductor No-load switching frequency • at AC 2000 1/h • at DC 2000 1/h Operating frequency • 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 130 1/h Control circuit/ Control Type of voltage of the control supply voltage AC/DC	— at 690 V rated value	210 kW
• at AC-2 at 400 V rated value 90 kW • at AC-3 — at 230 V rated value 90 kW — at 400 V rated value 90 kW — at 500 V rated value 132 kW — at 690 V rated value 90 kW Operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 45 kW • at 690 V rated value 65 kW Thermal short-time current limited to 10 s 1480 A Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor No-load switching frequency • at AC 2000 1/h • at AC-1 maximum 800 1/h • at AC-2 maximum 800 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 1300 1/h • at AC-4 maximum 1500 1/h • at AC-6 maximum 1500 1/h • at AC-6 maximum 1500 1/h • at AC-7 maximum 1500 1/h • at AC-8 maximum 1500 1/h • at AC-9 maximum 1500 1/h	— at 690 V at 60 °C rated value	210 kW
• at AC-3 — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 400 V rated value — at 400 V rated value — at 1000 V rated value — on the operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • at 690 V rated value • 55 kW Thermal short-time current limited to 10 s Thermal short-time current limited to 10 s 1 480 A 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 DC Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-5 mother of the control supply voltage AC/DC	— at 1000 V at 60 °C rated value	165 kW
- at 230 V rated value 61 kW - at 400 V rated value 90 kW - at 500 V rated value 132 kW - at 690 V rated value 90 kW Operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 45 kW • at 690 V rated value 65 kW Thermal short-time current limited to 10 s 1480 A 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-1 maximum 800 1/h • at AC-2 maximum 300 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 130 1/h Control circuit/ Control Type of voltage of the control supply voltage AC/DC	• at AC-2 at 400 V rated value	90 kW
at 400 V rated value 90 kW at 500 V rated value 132 kW at 690 V rated value 90 kW at 1000 V rated value 90 kW Operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 45 kW • at 690 V rated value 65 kW Thermal short-time current limited to 10 s 1480 A 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 DC Operating frequency • 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 130 1/h • at AC-4 maximum 130 1/h • at AC-4 maximum 130 1/h • at AC-6 working of the control supply voltage AC/DC	• at AC-3	
- at 500 V rated value 160 kW - at 690 V rated value 90 kW Operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 65 kW Thermal short-time current limited to 10 s 1480 A Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor No-load switching frequency • at AC 2 000 1/h • at DC Operating frequency • 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 130 1/h Control circuit/ Control Type of voltage of the control supply voltage AC/DC	— at 230 V rated value	61 kW
- at 690 V rated value 90 kW Operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 45 kW • at 690 V rated value 65 kW Thermal short-time current limited to 10 s 1480 A Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor No-load switching frequency • at AC 2000 1/h • at DC 2000 1/h Operating frequency • at AC-1 maximum 800 1/h • at AC-2 maximum 750 1/h • at AC-4 maximum 1300 1/h • at AC-5 voltage of the control supply voltage AC/DC	— at 400 V rated value	90 kW
— at 1000 V rated value Operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value 65 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 DC Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-5 voltage of the control supply voltage AC/DC	— at 500 V rated value	132 kW
Operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value 65 kW Thermal short-time current limited to 10 s 1 480 A 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 DC Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum Type of voltage of the control supply voltage AC/DC	— at 690 V rated value	160 kW
at AC-4 • at 400 V rated value • at 690 V rated value 65 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 DC Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-5 maximum • at AC-6 maximum • at AC-7 maximum • at AC-8 maximum • at AC-9 maximum • at AC-9 maximum • at AC-1 maximum • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum AC-1 maximum • at AC-3 maximum • at AC-4 maximum AC-1 maximum • at AC-4 maximum AC-1 maximum AC-1 maximum AC-1 maximum AC-1 maximum AC-1 maximum AC-1 maximum AC-2 maximum AC-3 maximum AC-3 maximum AC-1 maximum AC-1 maximum AC-1 maximum AC-2 maximum AC-3 maximum AC-3 maximum AC-1 maximum AC-1 maximum AC-1 maximum AC-2 maximum AC-3 maximum AC-3 maximum AC-3 maximum AC-1 maxim	— at 1000 V rated value	90 kW
 at 400 V rated value at 690 V rated value 55 kW Thermal short-time current limited to 10 s 1 480 A 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 DC 2 000 1/h operating frequency at AC-1 maximum at AC-2 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-4 maximum at AC-4 maximum at AC-4 maximum at AC-5 maximum at AC-6 maximum AC-7 maximum AC-1 maximum AC-2 maximum AC-3 maximum AC-4 maximum AC-5 maximum AC-6 maximum AC-7 maximum AC		
at 690 V rated value 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 DC Operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-4 maximum at AC-4 maximum at AC-4 maximum at AC-4 maximum at AC-5 maximum at AC-6 maximum at AC-6 maximum at AC-7 maximum at AC-8 maximum at AC-9 maximum at AC-9 maximum at AC-9 maximum at AC-1 maximum at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-4 maximum AC-1 maximum AC-2 maximum AC-3 maximum AC-3 maximum AC-4 maximum AC-6 maximum AC-7 maximum AC-7 maximum AC-7 maximum AC-8 maximum AC-9 maximum AC-9 maximum AC-1 maximum AC-1 maximum AC-1 maximum AC-1 maximum AC-2 maximum AC-3 maximum AC-3 maximum AC-4 maximum AC-1 maximum AC-1 maximum AC-1 maximum AC-2 maximum AC-3 maximum AC-1 maxi		
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 DC Operating frequency at AC-1 maximum at AC-2 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-4 maximum at AC-4 maximum at AC-4 maximum Type of voltage of the control supply voltage 1 480 A 1 3 W 1 480 A 1 480 A 1 3 W 1 5 W 1		
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 DC 2 000 1/h Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum Type of voltage of the control supply voltage 13 W 13 W 13 W 13 W 13 W		
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-3 maximum • at AC-4 maximum • at AC-4 maximum Type of voltage of the control supply voltage AC/DC		
No-load switching frequency • at AC • at DC 2 000 1/h Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum 130 1/h Control circuit/ Control Type of voltage of the control supply voltage AC/DC		13 W
 at AC at DC 2 000 1/h Operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-4 maximum 130 1/h Control circuit/ Control Type of voltage of the control supply voltage AC/DC		
Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum Control circuit/ Control Type of voltage of the control supply voltage AC/DC		2 000 1/h
 at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-4 maximum 130 1/h Control circuit/ Control Type of voltage of the control supply voltage AC/DC	• at DC	2 000 1/h
 at AC-2 maximum at AC-3 maximum at AC-4 maximum at AC-4 maximum 130 1/h Control circuit/ Control Type of voltage of the control supply voltage AC/DC	Operating frequency	
at AC-3 maximum at AC-4 maximum 130 1/h Control circuit/ Control Type of voltage of the control supply voltage AC/DC	• at AC-1 maximum	800 1/h
at AC-4 maximum 130 1/h Control circuit/ Control Type of voltage of the control supply voltage AC/DC	• at AC-2 maximum	300 1/h
Control circuit/ Control Type of voltage of the control supply voltage AC/DC	• at AC-3 maximum	750 1/h
Type of voltage of the control supply voltage AC/DC	• at AC-4 maximum	130 1/h
	Control circuit/ Control	
Control supply voltage at AC		AC/DC
	Control supply voltage at AC	

• at 50 Hz rated value	220 240 V
at 60 Hz rated value at 60 Hz rated value	220 240 V
Control supply voltage at DC	220 240 V
• rated value	220 240 V
Operating range factor control supply voltage rated	220 240 V
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	300 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	5.8 V·A
Inductive power factor with the holding power of the coil	
● at 50 Hz	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
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

• at 400 V rated value	3 A
• at 500 V rated value	2 A
• at 690 V rated value	1 A
Operating current at DC-12	
• at 24 V rated value	10 A
• at 48 V rated value	6 A
• at 60 V rated value	6 A
• at 110 V rated value	3 A
• at 125 V rated value	2 A
• at 220 V rated value	1 A
• at 600 V rated value	0.15 A
Operating current at DC-13	
• at 24 V rated value	10 A
• at 48 V rated value	2 A
• at 60 V rated value	2 A
• at 110 V rated value	1 A
• at 125 V rated value	0.9 A
• at 220 V rated value	0.3 A
• at 600 V rated value	0.1 A
Contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)

UL/CSA ratings	
Full-load current (FLA) for three-phase AC motor	
• at 480 V rated value	180 A
• at 600 V rated value	192 A
Yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 230 V rated value	30 hp
 for three-phase AC motor 	
— 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	i pro	tect	ion
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Danies	-£ 4h -	£	ماحظ
Design	or the	Tuse	IINK

• for short-circuit protection of the main circuit

— with type of coordination 1 required

— with type of assignment 2 required

• for short-circuit protection of the auxiliary switch required

gG: 355 A (690 V, 100 kA)

gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 100 kA), BS88: 315

A (415 V, 50 kA)

fuse gG: 10 A

Mounting position	±/ 190° rotation possible on vertical mounting ourfaces are be		
Mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting		
	surface		
Mounting type	screw fixing		
Side-by-side mounting	Yes		
Height	172 mm		
Width	120 mm		
Depth	170 mm		
Required spacing			
• for grounded parts			
— at the side	10 mm		
Connections/Terminals			
Type of electrical connection			
for main current circuit	screw-type terminals		
 for auxiliary and control current circuit 	screw-type terminals		
Type of connectable conductor cross-sections			
 at AWG conductors for main contacts 	4 250 kcmil		
Connectable conductor cross-section for main			
contacts			
• stranded	25 120 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), 1x 12		
Safety related data			
Product function			
 Mirror contact acc. to IEC 60947-4-1 	Yes		
positively driven operation acc. to IEC 60947-5-	No		
Protection against electrical shock	finger-safe when touched vertically from front acc. to IEC 60529		

General Product Approval

Functional Safety/Safety of Machinery Declaration of Conformity









Type Examination
Certificate



Test Certificates

Marine / Shipping

Type Test
Certificates/Test
Report

Special Test Certificate Miscellaneous







Marine / Shipping other

DNV-GL

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=3RT1056-6AP36

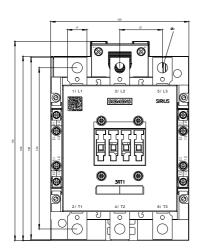
Cax online generator

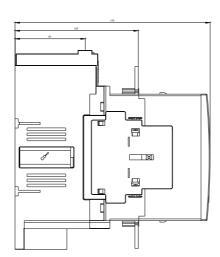
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT1056-6AP36}\\$

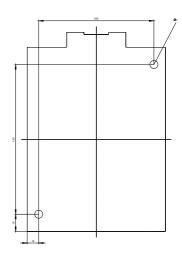
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

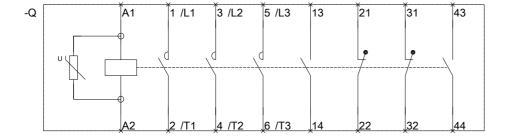
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1056-6AP36&lang=en









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