SIEMENS

Data sheet 3RT1264-6AD36



vacuum contactor, AC-3 225 A, 110 kW / 400 V 42-48 V AC/DC auxiliary contacts 2 NO + 2 NC 3-pole, frame size S10 busbar connections drive: conventional

product brand name	SIRIUS	
product designation	Vacuum contactor	
product type designation	3RT12	
General technical data		
size of contactor	S10	
product extension		
 function module for communication 	No	
auxiliary switch	Yes	
power loss [W] for rated value of the current		
 at AC in hot operating state 	27 W	
 at AC in hot operating state per pole 	9 W	
 without load current share typical 	8.2 W	
insulation voltage		
 of main circuit with degree of pollution 3 rated value 	1 000 V	
 of auxiliary circuit with degree of pollution 3 rated value 	500 V	
surge voltage resistance		
 of main circuit rated value 	8 kV	
 of auxiliary circuit rated value 	6 kV	
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1	690 V	
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 electronically optimized auxiliary switch block typical 	5 000 000	
 of the contactor with added auxiliary switch block typical 	10 000 000	
reference code according to IEC 81346-2	Q	
Substance Prohibitance (Date)	05/01/2012	
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	

relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
lain 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
at AC-3e rated value maximum	1 000 V
operational current	1 000 V
at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-1	330 A
— up to 690 V at ambient temperature 40 °C rated value	330 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	300 A
 up to 1000 V at ambient temperature 40 °C rated value 	330 A
— up to 1000 V at ambient temperature 60 °C rated value	300 A
• at AC-3	
— at 400 V rated value	225 A
— at 500 V rated value	225 A
— at 690 V rated value	225 A
— at 1000 V rated value	225 A
• at AC-3e	
— at 400 V rated value	225 A
— at 500 V rated value	225 A
— at 690 V rated value	225 A
— at 1000 V rated value	225 A
at AC-4 at 400 V rated valueat AC-6a	195 A
 up to 230 V for current peak value n=20 rated value 	225 A
 up to 400 V for current peak value n=20 rated value 	225 A
— up to 500 V for current peak value n=20 rated value	225 A
— up to 690 V for current peak value n=20 rated value	225 A
 up to 1000 V for current peak value n=20 rated value at AC-6a 	225 A
— up to 230 V for current peak value n=30 rated value value	209 A
up to 400 V for current peak value n=30 rated value	209 A
up to 500 V for current peak value n=30 rated value	209 A
 up to 690 V for current peak value n=30 rated value 	209 A
— up to 1000 V for current peak value n=30 rated value	209 A
minimum cross-section in main circuit at maximum AC-1 rated value	185 mm ²
operational current for approx. 200000 operating cycles at AC-4	07.4
at 400 V rated valueat 690 V rated value	97 A 97 A
operating power	
• at AC-3	
— at 230 V rated value	55 kW
— at 400 V rated value	110 kW

— at 500 V rated value	160 kW
— at 690 V rated value	200 kW
— at 1000 V rated value	315 kW
• at AC-3e	
— at 230 V rated value	55 kW
— at 400 V rated value	110 kW
— at 500 V rated value	160 kW
— at 690 V rated value	200 kW
— at 1000 V rated value	315 kW
operating power for approx. 200000 operating cycles	O TO KWV
at AC-4	
at 400 V rated value	55 kW
at 690 V rated value	94 kW
operating apparent power at AC-6a	OH KW
up to 230 V for current peak value n=20 rated value	90 000 kVA
	150 000 VA
up to 400 V for current peak value n=20 rated value	
up to 500 V for current peak value n=20 rated value	190 000 VA
• up to 690 V for current peak value n=20 rated value	260 000 VA
 up to 1000 V for current peak value n=20 rated value 	390 000 VA
operating apparent power at AC-6a	90,000 \/A
up to 230 V for current peak value n=30 rated value	80 000 VA
• up to 400 V for current peak value n=30 rated value	140 000 VA
 up to 500 V for current peak value n=30 rated value 	180 000 VA
 up to 690 V for current peak value n=30 rated value 	250 000 VA
 up to 1000 V for current peak value n=30 rated 	360 000 VA
value	
no-load switching frequency	
• at AC	2 000 1/h
• at DC	2 000 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-3e maximum 	750 1/h
 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	42 48 V
at 60 Hz rated value	42 48 V
control supply voltage at DC	,
• rated value	42 48 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 VA
• at 60 Hz	590 VA
inductive power factor with closing power of the coil	000 771
at 50 Hz	0.9
• at 60 Hz	0.9
	0.8
apparent holding power of magnet coil at AC	641//
• at 50 Hz	6.1 VA
● at 60 Hz	6.1 VA

inductive power factor with the holding power of the coil • at 50 Hz		
	•	
e at 60 Hz O9		0.0
Closing power of magnet coil at DC		
holding power of magnet coll at DC closing delay		
closing delay		
		O.Z VV
• at DC opening delay • at AC • at DC at DC arcing time control version of the switch operating mechanism Auxiliary circuit control version of the switch operating mechanism Auxiliary circuit mumber of NC contacts for auxiliary contacts instantaneous contact instantaneous contact instantaneous contact instantaneous contact instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 350 V rated value • at 450 V rated value • at 48 V rated value • at 150 V rated value • at		20 05 mg
opening delay at AC at DC 40 80 ms 41 80 ms arcing time 10 15 ms Standard A1 - A2 Auxillary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-12 maximum operational current at AC-12 maximum operational current at DC-15 at 230 V rated value at 400 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 100 V rated value at 110 V rated value at 220 V rated value at 240 V rated value at 250 V rated value at 270 V rate		
• at DC • at D		50 95 IIIS
■ at DC arcing time		40
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 550 V rated value • at 550 V rated value • at 460 V rated value • at 460 V rated value • at 66 V rated value • at 66 V rated value • at 66 V rated value • at 67 V rated value • at 68 V rated value • at 69 V rate		10.00
control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 350 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 1600 V rated value • at 1600 V rated value • at 1600 V rated value • at 18 V rated value • at 100 V rated value • at 200 V rated value • at 200 V rated value • at 200 V rated value • at 480 V rated value • at 480 V rated value • at 480 V rated value • at 200 V rated value • at 480 V rated value • at 480 V rated value • at 480 V rated value • at 200 V rated value • at 480 V rated value • at 575000 V rated value • at 575000 V rated value • at 575000 V rated value •		
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-15 operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 600 V rated value • at 640 V rated value • at 660 V rated v		
number of NC contacts for auxiliary contacts instantaneous contact		Standard A1 - A2
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 e at 230 V rated value e at 400 V rated value 2 A at 4500 V rated value 1 A operational current at DC-12 at 24 V rated value 6 A at 48 V rated value 6 A at 48 V rated value 6 A at 48 V rated value 6 A at 10 V rated value 6 A at 10 V rated value 6 A at 10 V rated value 6 A at 11 V rated value 6 A at 11 V rated value 6 A 6 A 6 A 6 A 7 A rated value 6 A 7 A rated value 7 A rated value 8 A R R R R R R R R R R R R R R R R R R		
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum		2
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 480 V rated value • at 48 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 60 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 49 V rated value • at 400 V rated value • at 400 V rated value • at 40 V rated value • at 60 V rated value • at 100 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated		2
operational current at AC-15	instantaneous contact	
• at 230 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 690 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 48 V rated value • at 48 V rated value • at 600 V rated value • at 110 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated va	operational current at AC-12 maximum	10 A
	operational current at AC-15	
	at 230 V rated value	6 A
• at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 360 V rated value • at 48 V rated value • at 100 V rated value • at 110 V rated value • at 110 V rated value • at 120 V rated value • at 120 V rated value • at 110 V rated value • at 110 V rated value • at 110 V rated value • at 120 V rated value • at 800 V rated value • at 800 V rated value • at 800 V rated value • at 600 V rated value	• at 400 V rated value	3 A
operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 10 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 200 V rated value • at 600 V rated value • at 125 V rated value • at 110 V rated value • at 120 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 480 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 480 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 480 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 680 V Aced value • at 680 V rated value	at 500 V rated value	2 A
	at 690 V rated value	1 A
• at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 28 V rated value • at 28 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 110 V rated value • at 1220 V rated value • at 1220 V rated value • at 28 V rated value • at 29 V rated value • at 200 V rated value • at 200 V rated value • at 600 V rated value • at 200 V rated value • at 480 V rated value • at 600 V rated value • at 200/208 V rated value • at 460 V rated value • at	operational current at DC-12	
	at 24 V rated value	10 A
• at 110 V rated value	• at 48 V rated value	6 A
 at 125 V rated value at 220 V rated value at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 10 V rated value at 25 V rated value at 25 V rated value at 20 V rated value at 600 V rated value at 600 V rated value at 48 V rated value at 48 V rated value at 480 V rated value at 600 V rated value at 200/208 V rated value at 200/208 V rated value at 460/480 V rated value at 575/600 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link 	at 60 V rated value	6 A
■ at 220 V rated value ■ at 600 V rated value ■ o.15 A Operational current at DC-13 ■ at 24 V rated value ■ at 48 V rated value ■ at 60 V rated value ■ at 110 V rated value ■ at 110 V rated value ■ at 110 V rated value ■ at 125 V rated value ■ at 220 V rated value ■ at 600 V rated value □ 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor ■ at 480 V rated value ■ at 600 V rated value □ at 220/230 V rated value □ at 220/230 V rated value □ at 220/230 V rated value □ at 460/480 V rated value □ at 575/600 V rated value □ at 20/2030 V rated value □ at 20/2030 V rated value □ at 20/2030 V rated value □ at 20/230 V rated value □ at 575/600 V rated value □ at 575/600 V rated value □ at 575/600 V rated value □ at 20/230 V rated value □ at 575/600 V rated value □ at 20/230 V rated value □ at 575/600 V rated value □ at 575/600 V rated value □ at 20/230 V rated value □ at 20/2	 at 110 V rated value 	3 A
at 600 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value contact reliability of auxiliary contacts tulcos ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 220/230 V rated value at 220/230 V rated value at 480/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link	• at 125 V rated value	2 A
operational current at DC-13 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 480 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 480 V rated value • at 600 V rated value • at 220/230 V rated value • at 200/208 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link	• at 220 V rated value	1 A
at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 22 N at 125 V rated value at 220 V rated value at 600 V rated value at 80 V rated value at 600 V rated value befor 3-phase AC motor at 200/208 V rated value at 20/230 V rated value at 20/230 V rated value at 2575/600 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link	 at 600 V rated value 	0.15 A
at 48 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V r	operational current at DC-13	
at 10 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 200/208 V rated value at 200/208 V rated value at 200/208 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rated value at 575/600 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link	at 24 V rated value	10 A
at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value outside treliability of auxiliary contacts full-load current (FLA) for 3-phase AC motor at 480 V rated value full-load current value at 600 V rated value at 600 V rated value at 600 V rated value full-load current (FLA) for 3-phase AC motor at 480 V rated value full-load mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value for 3-phase AC motor at 200/208 V rated value for 460/480 V rated value for 5 hp at 460/480 V rated value for 5 hp at 460/480 V rated value for 5 hp at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link	 at 48 V rated value 	2 A
at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value for 3-phase AC motor at 200/208 V rated value for 3-phase AC motor at 220/230 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link	at 60 V rated value	2 A
at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 192 A yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 480/480 V rated value at 480/480 V rated value at 50 hp at 450/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link	• at 110 V rated value	1 A
at 600 V rated value contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value for 3-phase AC motor at 200/208 V rated value at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link	• at 125 V rated value	0.9 A
contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 180 A 192 A yielded mechanical performance [hp] • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link	• at 220 V rated value	0.3 A
Full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 180 A yielded mechanical performance [hp] • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link	at 600 V rated value	0.1 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 180 A yielded mechanical performance [hp] • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 180 A • at 600 V rated value 192 A yielded mechanical performance [hp] • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link	UL/CSA ratings	
 at 480 V rated value at 600 V rated value 192 A yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link 	-	
yielded mechanical performance [hp] ● for 3-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 protection design of the fuse link		180 A
• for 3-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 protection design of the fuse link	• at 600 V rated value	192 A
◆ for 3-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 protection design of the fuse link	yielded mechanical performance [hp]	
- 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		
- 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	·	60 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		·
— at 575/600 V rated value 200 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link		·
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link		·
Short-circuit protection design of the fuse link		
design of the fuse link		
▼ nor Sprone-Circuit Orone-Circuit Orone (Hant Circuit	for short-circuit protection of the main circuit	
— with type of coordination 1 required gG: 500 A (690 V, 100 kA)		aG: 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)		gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415
• for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)		· · · · · · · · · · · · · · · · · · ·

fastening method	nstallation/ mounting/ dimensions mounting position	+/-22 5° rotation possible on vertical mounting surface; can be tilted	
fastening method scide by-side mounting Yes height width 456 mm deight width 456 mm deight width 256 mm required spacing Provided spacing - with side-by-side mounting Provided spacing - Upwards 10 mm - downwards 10 mm - downwards 20 mm - for grounded parts 20 mm - Upwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - for live parts 20 mm - for live parts 20 mm - for live parts 10 mm - for live parts 20 mm - for main current circuit 30 mm 30 mm - for auxiliary contacts 20 mm 30 mm - for auxiliary contacts	mounting position		
e side-by-side mounting	fastening method		
Might Migh	_		
width	· · · · · · · · · · · · · · · · · · ·		
Description Properties Pr			
evaluated spacing evaluation side shows side mounting - Convards			
with side-by-side mounting — forwards — upwards — at the side or grounded parts — forwards — forwards or grounded parts — upwards — upwards or grounded parts — upwards — upwards — upwards — upwards — upwards — upwards — to mm — at the side — downwards — forwards — downwards — forwards — upwards	•	200 111111	
forwards			
- upwards		20 mm	
- downwards			
- at the side	•		
- forwards - upwards - upwards - at the side - downwards • for live parts - forwards - upwards - forwards - forwards - upwards - forwards - upwards - downwards - downwards - downwards - downwards - at the side - downwards - downward		O mm	
- upwards			
- at the side - downwards - 10 mm			
• for live parts - forwards - upwards - upwards - downwards - at the side - at the side - for main current circuit - for auxiliary and control circuit - at the side - of magnet coil width of connection bar diameter of holes - at AWG cables for main curces section - solid or stranded - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - at AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - at AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - at AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - sol	·		
• for live parts — forwards — upwards — downwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • for auxiliary and control circuit • for main current circuit • for main current circuit • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil width of connection bar thickness of connection bar diameter of holes 11 mm number of holes 11 mm number of holes 12/0 500 kcmil connectable conductor cross-sections • at AWG cables for main contacts • solid or stranded • finely stranded with core end processing • solid or stranded — sol			
forwards	— downwards	10 mm	
- upwards - downwards - at the side - at the side - of main current circuit - for main current circuit - at contactor for auxiliary contacts - at AWG cables for main contacts - at Imm -	for live parts		
- downwards — at the side 10 mm 10 m	— forwards	20 mm	
Terminals	— upwards	10 mm	
type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil width of connection bar thickness of connection bar diameter of holes ttppe of connectable conductor cross-sections • at AlVIC cables for main contacts • stranded connectable conductor cross-section for main contacts • stranded connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts — solid — solid or stranded • finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AlVIC cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AlVIC cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AlVIC cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AlVIC cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AlVIC cables for auxiliary contacts AWG number as coded connectable conductor cross-section • for auxiliary contacts AWG number as coded connectable conductor cross-section • for auxiliary contacts - for auxiliary	— downwards	10 mm	
type of electrical connection • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil width of connection bar connection bar diameter of holes diameter of holes type of connectable conductor cross-sections • at AVIG cables for main contacts • stranded connectable conductor cross-section for main contacts • stranded connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts - solid - solid - solid or stranded with core end processing • at AVIG cables for auxiliary contacts AWG number as coded connectable conductor cross-section • for auxiliary contacts - finely stranded with core end processing • at AVIG cables for auxiliary contacts AWG number as coded connectable conductor cross-section • for auxiliary contacts - for aux	— at the side	10 mm	
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type of connectable conductor cross-sections			
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connectable conductor cross-section for auxiliary contacts	contacts		
ontacts		70 240 mm²	
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● for auxiliary contacts Safety related data product function ● mirror contact according to IEC 60947-4-1 ● positively driven operation according to IEC 60947-5-1 protection class IP on the front according to IEC 60529 18 14 Yes No IP00; IP20 with box terminal/cover	AWG number as coded connectable conductor cross		
product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 protection class IP on the front according to IEC 60529 Yes No IP00; IP20 with box terminal/cover		18 14	
product function	·	10 1 1	
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 protection class IP on the front according to IEC 60529 IP00; IP20 with box terminal/cover 			
positively driven operation according to IEC 60947- 5-1 Protection class IP on the front according to IEC 60529 No IP00; IP20 with box terminal/cover	•	V	
5-1 protection class IP on the front according to IEC 60529 IP00; IP20 with box terminal/cover			
protection class IP on the front according to IEC 60529 IP00; IP20 with box terminal/cover		No	
	protection class IP on the front according to IEC	IP00; IP20 with box terminal/cover	
touch protection on the front according to IEC COECO finger and for working a contact from the front with hard-series I/	touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover	

suitability for use

safety-related switching OFF

Yes

Certificates/ approvals

General Product Approval





Confirmation



<u>KC</u>



EMC	Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates
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Type Examination **Certificate**





Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>

Marine / Shipping other











Confirmation

other Railway

Confirmation **Miscellaneous Special Test Certific**ate

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1264-6AD36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1264-6AD36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1264-6AD36

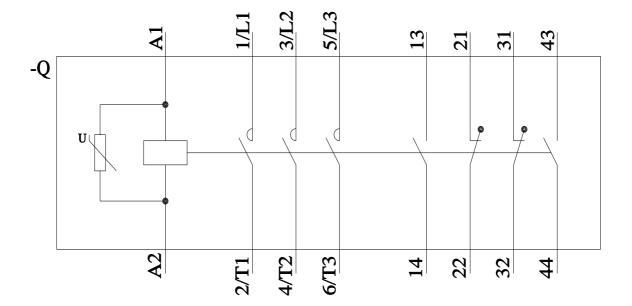
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1264-6AD36&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT1264-6AD36/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1264-6AD36&objecttype=14&gridview=view1



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