SIEMENS

Data sheet 3RT1264-6AB36



vacuum contactor AC-3e/AC-3 225 A, 110 kW / 400 V, 3-pole, Uc: 23-26 V AC(50-60 Hz) / DC drive: conventional auxiliary contacts 2 NO + 2 NC main circuit: busbar control and auxiliary circuit: screw terminal

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 (operating 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	
 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 rated value	330 A
— up to 690 V at ambient temperature 60 °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	225 A
— at 400 V rated value	225 A 225 A
— at 500 V rated value	225 A 225 A
— at 690 V rated value— at 1000 V rated value	225 A 225 A
at AC-3e	220 N
— at 400 V rated value	225 A
— at 500 V rated value	225 A 225 A
— at 690 V rated value	225 A
— at 1000 V rated value	225 A
at AC-4 at 400 V rated value	195 A
• at AC-6a	10071
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	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 operational current for approx. 200000 operating	185 mm²
cycles at AC-4	
at 400 V rated value	97 A
• at 690 V rated value	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● at AC-3e	315 kW
— at 230 V rated value	55 kW
	110 kW

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— 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	
at AC-4	ee IIII
at 400 V rated value	55 kW
at 690 V rated value	94 kW
operating apparent power at AC-6a	
 up to 230 V for current peak value n=20 rated value 	90 000 kVA
 up to 400 V for current peak value n=20 rated value 	150 000 VA
 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 	390 000 VA
value	
operating apparent power at AC-6a	
 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	
	23 26 V
at 50 Hz rated value	23 26 V
at 50 Hz rated valueat 60 Hz rated value	23 26 V 23 26 V
at 50 Hz rated value	23 26 V
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value 	
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC 	23 26 V
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated 	23 26 V
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC 	23 26 V 23 26 V
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value 	23 26 V 23 26 V 0.8
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value 	23 26 V 23 26 V 0.8
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated 	23 26 V 23 26 V 0.8
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC 	23 26 V 23 26 V 0.8 1.1
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz design of the surge suppressor 	23 26 V 23 26 V 0.8 1.1
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz 	23 26 V 23 26 V 0.8 1.1 0.8 1.1 0.8 1.1
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz design of the surge suppressor 	23 26 V 23 26 V 0.8 1.1 0.8 1.1 0.8 1.1
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC 	23 26 V 23 26 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz 	23 26 V 23 26 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 590 VA
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 50 Hz at 60 Hz 	23 26 V 23 26 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 590 VA
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz at 60 Hz inductive power factor with closing power of the coil 	23 26 V 23 26 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 590 VA 590 VA
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz 	23 26 V 23 26 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 590 VA 590 VA 0.9
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz 	23 26 V 23 26 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 590 VA 590 VA 0.9
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz at 60 Hz 	23 26 V 23 26 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 590 VA 590 VA 590 VA
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz 	23 26 V 23 26 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 590 VA 590 VA 0.9 0.9 6.1 VA
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz 	23 26 V 23 26 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 590 VA 590 VA 0.9 0.9 6.1 VA
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz at 60 Hz at 60 Hz inductive power factor with the holding power of the 	23 26 V 23 26 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 590 VA 590 VA 0.9 0.9 6.1 VA
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil 	23 26 V 23 26 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 590 VA 590 VA 0.9 0.9 6.1 VA 6.1 VA
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz 	23 26 V 23 26 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 590 VA 590 VA 0.9 0.9 6.1 VA 6.1 VA
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 50 Hz at 60 Hz 	23 26 V 23 26 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 590 VA 590 VA 0.9 0.9 6.1 VA 6.1 VA 0.9 0.9
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz ot 60 Hz 	23 26 V 23 26 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 590 VA 590 VA 0.9 0.9 6.1 VA 6.1 VA 0.9 0.9 700 W
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz at 60 Hz ot 60 Hz ot 60 Hz 	23 26 V 23 26 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 590 VA 590 VA 0.9 0.9 6.1 VA 6.1 VA 0.9 0.9 700 W
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power of magnet coil at DC holding power of magnet coil at DC holding power of magnet coil at DC closing delay 	23 26 V 23 26 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 590 VA 590 VA 0.9 0.9 6.1 VA 6.1 VA 0.9 0.9 700 W 8.2 W
 at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC 	23 26 V 23 26 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 590 VA 590 VA 0.9 0.9 6.1 VA 6.1 VA 0.9 0.9 700 W 8.2 W 30 95 ms

at AC	40 90 mg
• at DC	40 80 ms 40 80 ms
arcing time	40 80 ms 10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts	2
instantaneous contact number of NO contacts for auxiliary contacts	2
instantaneous contact	
operational current at AC-12 maximum	10 A
operational 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
operational 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
operational 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 123 V rated value 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 3-phase AC motor	400 A
at 480 V rated value	180 A
 at 600 V rated value 	192 A
yielded mechanical performance [hp]	
• for 3-phase AC motor	
for 3-phase AC motorat 200/208 V rated value	60 hp
for 3-phase AC motor— at 200/208 V rated value— at 220/230 V rated value	75 hp
 for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value 	75 hp 150 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 	75 hp 150 hp 200 hp
 for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value 	75 hp 150 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 	75 hp 150 hp 200 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 	75 hp 150 hp 200 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	75 hp 150 hp 200 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	75 hp 150 hp 200 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 • for short-circuit protection of the main circuit	75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA)
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 • for short-circuit protection of the main circuit — with type of coordination 1 required	75 hp 150 hp 200 hp A600 / Q600
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 • 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	75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415
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 • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required	75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA)
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 • 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	75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA)
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 • 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	75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) +/-22,5° rotation possible on vertical mounting surface; can be tilted
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 • 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 Installation/ mounting/ dimensions	75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA)
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 • 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 Installation/ mounting/ dimensions	75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) +/-22,5° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface;
• 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 • 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 Installation/ mounting/ dimensions mounting position fastening method	75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) +/-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
• 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 • 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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting	75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) +/-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 screw fixing
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 • 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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height	75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) +/-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 screw fixing Yes
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 • 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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width	75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) +/-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 screw fixing Yes 210 mm 145 mm
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 • 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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth	75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) +/-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 screw fixing Yes 210 mm
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 • 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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing	75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) +/-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 screw fixing Yes 210 mm 145 mm
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 • 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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting	75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) +/-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 screw fixing Yes 210 mm 145 mm 206 mm
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 • 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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing	75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) +/-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 screw fixing Yes 210 mm 145 mm

— downwards	10 mm
— at the side	0 mm
for grounded parts	
— 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
nnestional Terminals	

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 number of holes

connectable conductor cross-section for main contacts

stranded

connectable conductor cross-section for auxiliary contacts

- · solid or stranded
 - finely stranded with core end processing

type of connectable conductor cross-sections

- for auxiliary contacts
 - solid
 - solid or stranded
 - finely stranded with core end processing
- at AWG cables for auxiliary contacts

AWG number as coded connectable conductor cross section

• for auxiliary contacts

Connection bar

screw-type terminals Screw-type terminals

Screw-type terminals

25 mm 6 mm 11 mm

1

70 ... 240 mm²

0.5 ... 4 mm²

0.5 ... 2.5 mm²

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), max. 2x (0.75 ... 4 mm²)

2x (0,5 ... 1,5 mm²), 2x (0,75 ... 2,5 mm²), max. 2x (0,75 ... 4 mm²)

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (20 ... 16), 2x (18 ... 14), 1x 12

18 ... 14

Safety related data

product function

• mirror contact according to IEC 60947-4-1

• positively driven operation according to IEC 60947-

T1 value for proof test interval or service life according to IEC 61508

protection class IP on the front according to IEC 60529

touch protection on the front according to IEC 60529 suitability for use

• safety-related switching OFF

Yes

No

20 a

IP00; IP20 with box terminal/cover

finger-safe, for vertical contact from the front with box terminal/cover

Yes

Certificates/ approvals

General Product Approval



Confirmation





KC





Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

Confirmation

Marine / Shipping

other











other Railway

<u>Confirmation</u> <u>Miscellaneous</u> <u>Special Test Certific-</u> <u>Vibration and Shock</u>

<u>ate</u>

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RT1264-6AB36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1264-6AB36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1264-6AB36

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

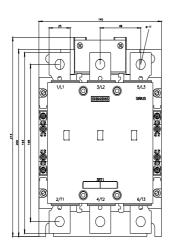
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1264-6AB36&lang=en

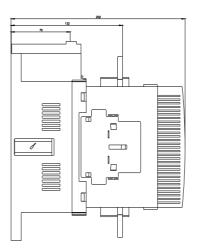
Characteristic: Tripping characteristics, I2t, Let-through current

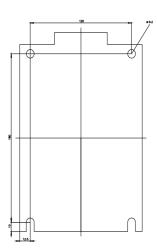
https://support.industry.siemens.com/cs/ww/en/ps/3RT1264-6AB36/char

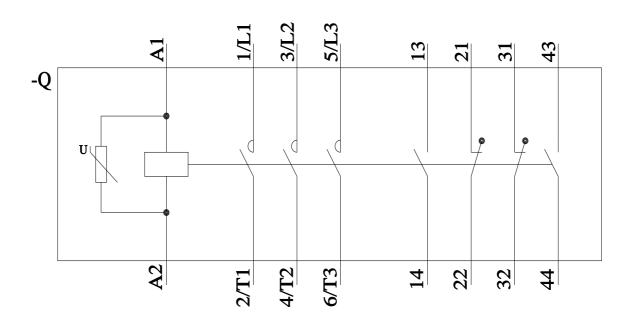
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1264-6AB36&objecttype=14&gridview=view1









last modified: 11/12/2022 ☑