## **SIEMENS**

Data sheet 3RT1264-6AM36



vacuum contactor, AC-3 225 A, 110 kW / 400 V AC (50-60 Hz) / DC operation 200-220 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		
<ul> <li>function module for communication</li> </ul>	No	
auxiliary switch	Yes	
power loss [W] for rated value of the current		
<ul> <li>at AC in hot operating state</li> </ul>	27 W	
<ul> <li>at AC in hot operating state per pole</li> </ul>	9 W	
<ul> <li>without load current share typical</li> </ul>	8.2 W	
insulation voltage		
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	1 000 V	
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	500 V	
surge voltage resistance		
<ul> <li>of main circuit rated value</li> </ul>	8 kV	
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV	
maximum permissible voltage for safe isolation 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)		
<ul> <li>of contactor typical</li> </ul>	10 000 000	
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000	
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000	
reference code 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		
<ul> <li>up to 1000 V at ambient temperature 40 °C rated value</li> </ul>	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		
<ul><li>at AC-4 at 400 V rated value</li><li>at AC-6a</li></ul>	195 A		
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	225 A		
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	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		
<ul> <li>up to 1000 V for current peak value n=20 rated value</li> <li>at AC-6a</li> </ul>	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		
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	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 <sup>2</sup>		
operational current for approx. 200000 operating cycles at AC-4	07.4		
<ul><li>at 400 V rated value</li><li>at 690 V rated value</li></ul>	97 A 97 A		
operating power			
• at AC-3			
— at 230 V rated value	55 kW		
— at 400 V rated value	110 kW		

. = 1			
— 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 at AC-4			
<ul> <li>at 400 V rated value</li> </ul>	55 kW		
at 690 V rated value	94 kW		
operating apparent power at AC-6a			
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	90 000 kVA		
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	150 000 VA		
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	190 000 VA		
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	260 000 VA		
<ul> <li>up to 1000 V for current peak value n=20 rated value</li> </ul>	390 000 VA		
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		
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	250 000 VA		
<ul> <li>up to 1000 V for current peak value n=30 rated value</li> </ul>	360 000 VA		
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			
Control circuit/ Control type of voltage of the control supply voltage	AC/DC		
type of voltage of the control supply voltage	AC/DC		
type of voltage of the control supply voltage control supply voltage at AC			
type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value	200 220 V		
type of voltage of the control supply voltage control supply voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value			
type of voltage of the control supply voltage control supply voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value  control supply voltage at DC	200 220 V 200 220 V		
type of voltage of the control supply voltage  control supply voltage at AC  at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC  rated value  operating range factor control supply voltage rated	200 220 V		
type of voltage of the control supply voltage control supply voltage at AC	200 220 V 200 220 V 200 220 V		
type of voltage of the control supply voltage  control supply voltage at AC  • 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	200 220 V 200 220 V 200 220 V		
type of voltage of the control supply voltage  control supply voltage at AC  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 supply voltage rated value	200 220 V 200 220 V 200 220 V		
type of voltage of the control supply voltage  control supply voltage at AC  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	200 220 V 200 220 V 200 220 V 0.8 1.1		
type of voltage of the control supply voltage control supply voltage at AC  • 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	200 220 V 200 220 V 200 220 V 0.8 1.1		
type of voltage of the control supply voltage control supply voltage at AC  • 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	200 220 V 200 220 V 200 220 V 0.8 1.1		
type of voltage of the control supply voltage  control supply voltage at AC  • 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	200 220 V 200 220 V 200 220 V 0.8 1.1		
type of voltage of the control supply voltage  control supply voltage at AC  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	200 220 V 200 220 V 200 220 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor		
type of voltage of the control supply voltage  control supply voltage at AC  • 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	200 220 V 200 220 V 200 220 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor		
type of voltage of the control supply voltage  control supply voltage at AC  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	200 220 V 200 220 V 200 220 V 0.8 1.1		
type of voltage of the control supply voltage  control supply voltage at AC  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  at 50 Hz  at 60 Hz  at 60 Hz  inductive power factor with closing power of the coil	200 220 V 200 220 V 200 220 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 590 VA 590 VA		
type of voltage of the control supply voltage  control supply voltage at AC  • 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	200 220 V 200 220 V 200 220 V 0.8 1.1 0.8 1.1 with varistor 590 VA 590 VA 590 VA		
type of voltage of the control supply voltage  control supply voltage at AC  • 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	200 220 V 200 220 V 200 220 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 590 VA 590 VA		
type of voltage of the control supply voltage  control supply voltage at AC  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  inductive power factor with closing power of the coil  at 50 Hz  at 60 Hz	200 220 V 200 220 V 200 220 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 590 VA 590 VA 590 VA		
type of voltage of the control supply voltage  control supply voltage at AC  • 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	200 220 V 200 220 V 200 220 V 0.8 1.1 0.8 1.1 with varistor 590 VA 590 VA 590 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 400 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 rated value • at 69 V rated value • at 60 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 1800 V rated value • at 220 V rated value • at 480 V rated value • at 480 V rated value • at 290 V rated value • at 200 V rated value • at 480 V rated value • at 575000 V rat			
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-10 operational current at AC-10 operational current at DC-12 operational current at DC-13 operational current operational c			
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 e at 690 V rated value 1 A  operational current at DC-12 e at 24 V rated value 1 A  operational current at DC-12 e at 24 V rated value 6 A e at 600 V rated value 6 A e at 60 V rated value 6 A e at 125 V rated value 9 At 100 V rated value 1 A 0 A 0 A 0 A 0 A 0 A 0 A 0 A 0 A 0 A 0			
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 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 600 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 1220 V rated value • at 1220 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 576/600 V rated value • at 480 V rated value • at 575/600 V rated value • at 600 V Q600  Short-circuit protection design of the fuse link	operational current at DC-12		
	at 24 V rated value	10 A	
• at 110 V rated value	at 48 V rated value	6 A	
<ul> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 10 V rated value</li> <li>at 25 V rated value</li> <li>at 25 V rated value</li> <li>at 20 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 200/208 V rated value</li> <li>at 200/208 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> <li>at 575/600 V rated value</li> <li>contact rating of auxiliary contacts according to UL</li> <li>Short-circuit protection</li> <li>design of the fuse link</li> </ul>	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 125 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 200/208 V rated value     □ at 575/600 V rated value     □ at 575/600 V rated value     □ at 200/208 V rated value     □ at 575/600 V rated value     □ at 200/208 V	<ul> <li>at 110 V rated value</li> </ul>	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	<ul> <li>at 600 V rated value</li> </ul>	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  I 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 600 V rated value  yielded mechanical performance [hp]  of or 3-phase AC motor  - at 200/208 V rated value - at 220/230 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 contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link	<ul> <li>at 48 V rated value</li> </ul>	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  180 A  at 600 V rated value  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 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 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 4575/600 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		
<ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>192 A</li> <li>yielded mechanical performance [hp]</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> <li>contact rating of auxiliary contacts according to UL</li> <li>Short-circuit protection</li> <li>design of the fuse link</li> </ul>	-		
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)		· · · · · · · · · · · · · · · · · · ·	

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mounting position	+/-22,5° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal mounting surface	
fastening method	screw fixing	
side-by-side mounting	Yes	
height	210 mm	
width	145 mm	
depth	206 mm	
required spacing	200 111111	
with side-by-side mounting		
— forwards	20 mm	
	20 mm 10 mm	
— upwards — 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	
Connections/ Terminals		
type of electrical connection		
for main current circuit	Connection bar	
for auxiliary and control circuit		
at contactor for auxiliary contacts	screw-type terminals	
of magnet coil	Screw-type terminals	
width of connection bar	Screw-type terminals 25 mm	
thickness of connection bar	6 mm	
diameter of holes	11 mm	
number of holes	1	
type of connectable conductor cross-sections		
at AWG cables for main contacts	2/0 500 kcmil	
connectable conductor cross-section for main contacts		
• stranded	70 240 mm²	
connectable conductor cross-section for auxiliary contacts		
solid or stranded	0.5 4 mm²	
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm <sup>2</sup>	
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)	
— solid or 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 cables for auxiliary contacts	2x (20 16), 2x (18 14), 1x 12	
AWG number as coded connectable conductor cross	ZA (20 10), ZA (10 17), 1A 1Z	
section	4044	
for auxiliary contacts	18 14	
afety related data		
product function		
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes	
<ul> <li>positively driven operation according to IEC 60947- 5-1</li> </ul>	No	
protection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover	

## suitability for use

• safety-related switching OFF

Yes

Certificates/ approvals

## **General Product Approval**



Confirmation





<u>KC</u>



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





Type Test Certificates/Test Report

Special Test Certificate

Marine / Shipping other











Confirmation

other Railway

<u>Confirmation</u> <u>Miscellaneous</u> <u>Special Test Certificate</u>

## 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=3RT1264-6AM36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1264-6AM36

 ${\bf Service \& Support~(Manuals,~Certificates,~Characteristics,~FAQs,...)}$ 

https://support.industry.siemens.com/cs/ww/en/ps/3RT1264-6AM36

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1264-6AM36\&lang=en}}$ 

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT1264-6AM36/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1264-6AM36&objecttype=14&gridview=view1

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