## **SIEMENS**

Data sheet 3RT1264-6AS36



vacuum contactor, AC-3 225 A, 110 kW / 400 V AC (50-60 Hz) / DC operation 500-550 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
Seneral 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
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
<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	
<ul> <li>during operation</li> </ul>	-25 +60 °C
during storage	-55 +80 °C

relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30	95 %
maximum	
Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
<ul> <li>at AC-3 rated value maximum</li> </ul>	1 000 V
at AC-3e rated value maximum	1 000 V
operational current	000 4
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	330 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C	330 A
rated value	
— up to 690 V at ambient temperature 60 °C	300 A
rated value	220 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	300 A
rated value	
• 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	005.4
— at 400 V rated value	225 A
— at 500 V rated value — at 690 V rated value	225 A 225 A
— at 1000 V rated value	225 A
at AC-4 at 400 V rated value	195 A
• at AC-6a	155 A
— up to 230 V for current peak value n=20 rated	225 A
value	
— up to 400 V for current peak value n=20 rated	225 A
value	005.4
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	225 A
— up to 690 V for current peak value n=20 rated	225 A
value	
— up to 1000 V for current peak value n=20 rated	225 A
value ● at AC-6a	
— up to 230 V for current peak value n=30 rated	209 A
value	
— up to 400 V for current peak value n=30 rated	209 A
value	000 4
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	209 A
— up to 690 V for current peak value n=30 rated	209 A
value	
— up to 1000 V for current peak value n=30 rated	209 A
value	4052
minimum cross-section in main circuit at maximum AC-1 rated value	185 mm²
operational current for approx. 200000 operating	
cycles at AC-4	
• at 400 V rated value	97 A
at 690 V rated value	97 A
operating power	
• at AC-3	EE IAM
— 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 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
• up to 690 V for current peak value n=20 rated value	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
up to 690 V for current peak value n=30 rated value	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	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	7.0.20
• at 50 Hz rated value	500 550 V
at 60 Hz rated value	500 550 V
control supply voltage at DC	333 300 V
• rated value	500 550 V
operating range factor control supply voltage rated value of magnet coil at DC	500 500 V
value of magnet con at bo	0.0
• initial value	118
initial value     full-scale value	0.8
full-scale value     operating range factor control supply voltage rated	1.1
full-scale value     operating range factor control supply voltage rated value of magnet coil at AC	1.1
full-scale value     operating range factor control supply voltage rated value of magnet coil at AC     at 50 Hz	1.1 0.8 1.1
full-scale value  operating range factor control supply voltage rated value of magnet coil at AC     at 50 Hz     at 60 Hz	1.1 0.8 1.1 0.8 1.1
• 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	1.1 0.8 1.1
• 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	1.1  0.8 1.1  0.8 1.1  with varistor
• 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	1.1  0.8 1.1  0.8 1.1  with varistor  590 VA
• 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	1.1  0.8 1.1  0.8 1.1  with varistor
• 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	1.1  0.8 1.1  0.8 1.1  with varistor  590 VA 590 VA
• 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	1.1  0.8 1.1  0.8 1.1  with varistor  590 VA  590 VA  0.9
• 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	1.1  0.8 1.1  0.8 1.1  with varistor  590 VA 590 VA
• 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	1.1  0.8 1.1  0.8 1.1  with varistor  590 VA  590 VA  0.9  0.9
• 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	1.1  0.8 1.1  0.8 1.1  with varistor  590 VA  590 VA  0.9

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 300 V rated value • at 4500 V rated value • at 4500 V rated value • at 48 V rated value • at 150 V rated value • at 200 V rated value • at 40 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rat		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 500 V rated value • at 400 V rated value • at 400 V rated value • at 60 V rated value • at 125 V rated value • at 220 V rated value • at 60 V ra		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 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 125 V rated value • at 125 V rated value • at 120 V rated value • at 20 V rated value • at 60 V rated value • at 20 V rated value • at 60 V rated value • at 20 V rated value • at 60 V rated v		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 125 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  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 220/230 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 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	
<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 Succe-Circuit Orone Chort of the triant 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)		· · · · · · · · · · · · · · · · · · ·

mounting position	+/-22,5° rotation possible on vertical mounting surface; can be tilted
mounting position	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	
with side-by-side mounting	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
• for grounded parts	
— forwards	20 mm
— upwards	10 mm
— upwards — at the side	10 mm
— at the side — downwards	10 mm
	TO THILL
• for live parts	20 mm
— 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
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals
of magnet coil	Screw-type terminals
width of connection bar	25 mm
thickness of connection bar	6 mm
diameter of holes	11 mm
number of holes	1
type of connectable conductor cross-sections	
<ul> <li>at AWG cables for main contacts</li> </ul>	2/0 500 kcmil
connectable conductor cross-section for main contacts	
stranded	70 240 mm²
connectable conductor cross-section for auxiliary contacts	
<ul> <li>solid or stranded</li> </ul>	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
<ul><li>— solid or stranded</li></ul>	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>at AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14), 1x 12
AWG number as coded connectable conductor cross section	
for auxiliary contacts	18 14
afety related data	
product function	
mirror contact according to IEC 60947-4-1	Yes
• positively driven operation according to IEC 60947- 5-1	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>



EMC Safety/Safety of Machinery	Declaration of Conformity	Te
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est Certificates



Type Examination Certificate





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

Type Test Certificates/Test Report

## Marine / Shipping











Confirmation

other

Railway other

**Miscellaneous** Confirmation **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=3RT1264-6AS36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1264-6AS36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1264-6AS36

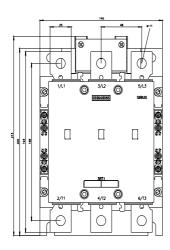
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

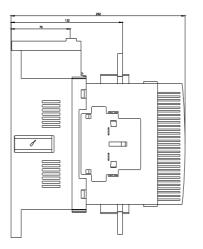
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1264-6AS36&lang=en

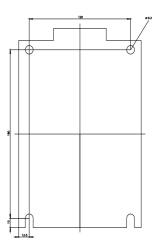
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT1264-6AS36/char

Further characteristics (e.g. electrical endurance, switching frequency) <a href="http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1264-6AS36&objecttype=14&gridview=view1">http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1264-6AS36&objecttype=14&gridview=view1</a>







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