SIEMENS

Data sheet

3RT1264-6NF36



vacuum contactor, AC-3 225 A, 110 kW / 400 V AC (50-60 Hz) / DC operation 96-127 V AC/DC auxiliary contacts 2 NO + 2 NC 3-pole, frame size S10 busbar connections drive: electronic with PLC interface 24 V DC

product designation Vacuum contactor product type designation 3R112 concrat technical data S10 product extension No • function module for communication No • auxiliary switch Yes out AC in hot operating state per pole 9 W • at AC in hot operating state per pole 9 W • of main circuit with degree of pollution 3 rated value 1000 V • of main circuit with degree of pollution 3 rated value 500 V • of main circuit rated value 8 kV • of main circuit with degree of pollution 3 rated value 6 kV • of main circuit rated value 8 kV • of auxiliary circuit rated value 8 kV • of main circuit rated value 8 kV • of auxiliary circuit rated value 8 kV • of auxiliary circuit rated value 8 kV • of auxiliary circuit rated value 8 kV • at AC 8 sg / 5 ms, 4.2g / 10 ms • at AC 13.4g / 5 ms, 6.5g / 10 ms • at AC 13.4g / 5 ms, 6.5g / 10 ms • at AC 10 0000 000 • at AC	product brand name	SIRIUS
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 per pole 9 W • without load current share typical 3.4 W insulation voltage 1 000 V • of main circuit with degree of pollution 3 rated value 1 000 V • of auxiliary circuit with degree of pollution 3 rated value 1 000 V • of main circuit rated value 6 kV maximum permissible voltage for safe isolation between col and main contacts according to EN 60947-1 500 V shock resistance at rectangular impulse 4 kZ • at AC 8,5g / 5 ms, 4,2g / 10 ms • at AC 13,4g / 5 ms, 6,5g / 10 ms • at AC 13,4g / 5 ms, 6,5g / 10 ms • at DC 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 0000 000	product designation	Vacuum contactor
size of contactor S10 product extension No • duction module for communication No • auxiliary switch Yes power loss [W] for rated value of the current 9 W • at AC in hot operating state per pole 9 W • of main circuit with degree of pollution 3 rated value 1 000 V • of main circuit with degree of pollution 3 rated value 1 000 V • of main circuit with degree of pollution 3 rated value 6 KV • of main circuit with degree of pollution between coll and main contacts according to EN 60947-1 8 kV • at AC 8,5g / 5 ms, 4,2g / 10 ms • at AC 13,4g / 5 ms, 6,5g / 10 ms • at DC 13,4g / 5 ms, 6,5g / 10 ms • at DC 10,00000 • of the contactor with added electronically optimized auxiliary switch block typical 10,00000 • of the contactor with added electronically optimized auxiliary switch block typical 10,000,000 • of the contactor with added auxiliary switch block typical 10,000,000 • of the contactor with added auxiliary switch block typical 10,000,000 • of the contactor with added electronically optimized auxiliary switch block typical 10,000,000 • of the contactor with added auxiliary switch block typical 10,000,000 • of the contactor with added auxiliary switch block typical 10,000,000	product type designation	3RT12
product extension No • function module for communication Yes • auxiliary switch Yes • at AC in hot operating state 27 W • at AC in hot operating state per pole 9 W • without load current share typical 3.4 W insulation voltage 1 000 V • 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 • of auxiliary circuit rated value 6 kV • of main dircuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • at AC 8,5g / 5 ms, 4.2g / 10 ms • at AC 8,5g / 5 ms, 4.2g / 10 ms • at AC 13.4g / 5 ms, 6.5g / 10 ms • at AC 10 000 000 • of the contactor with added lectronically optimized auxiliary switch block typic	General technical data	
 function module for communication auxiliary switch Yes power loss [W] for rated value of the current at AC in hot operating state at AC in hot operating state per pole without load current share typical of main circuit with degree of pollution 3 rated value of main circuit with degree of pollution 3 rated value of main circuit with degree of pollution 3 rated value of auxiliary circuit rated value at AC at AC at DC at AC at DC biock resistance with sine pulse at AC at DC at DC biock resistance with added electronically optimized auxiliary switch block typical of contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor w	size of contactor	S10
• auxiliary switch Yes power loss [W] for rated value of the current 27 W • at AC in hot operating state 27 W • at AC in hot operating state prole 9 W • at AC in hot operating state prole 9 W • without load current share typical 3.4 W insullation voltage 1000 V • of main circuit with degree of pollution 3 rated value 1000 V • of main circuit rated value 6 KV • of auxiliary circuit with degree of pollution 3 rated value 6 KV • of auxiliary circuit rated value 8 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 8 kV • of auxiliary coult acted value 8 kV • of auxiliary coult acted value 8 kV • of auxiliary coult acted value 8 kV • at AC 8,5g / 5 ms, 4,2g / 10 ms • at AC 13,4g / 5 ms, 6,5g / 10 ms • at AC 13,4g / 5 ms, 6,5g / 10 ms • at AC 10 000 000 • at AC 10 000 000 • at AC 10 000 000 • at AC 10 000 00	product extension	
power loss [W] for rated value of the current 27 W • at AC in hot operating state 27 W • at AC in hot operating state per pole 9 W • without load current share typical 3.4 W insulation voltage • of main circuit with degree of pollution 3 rated value 1000 V • of auxiliary circuit with degree of pollution 3 rated value 1000 V • of auxiliary circuit with degree of pollution 3 rated value 6 kV surge voltage resistance 6 kV • of auxiliary circuit rated value 6 kV maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 8500 V shock resistance at rectangular impulse 8,5g / 5 ms, 4,2g / 10 ms • at AC 8,5g / 5 ms, 4,2g / 10 ms • at AC 13,4g / 5 ms, 6,5g / 10 ms • at AC 13,4g / 5 ms, 6,5g / 10 ms • at AC 10 000 000 • at AC 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 05/01/2012 Ambient temperature 05/01/2012 <td> function module for communication </td> <td>No</td>	 function module for communication 	No
• at AC in hot operating state27 W• at AC in hot operating state per pole9 W• without load current share typical3.4 Winsulation voltage1000 V• of main circuit with degree of pollution 3 rated value1000 V• of main circuit with degree of pollution 3 rated value500 V• of main circuit rated value8 kV• of main circuit rated value6 kV• of auxiliary circuit rated value8 (5g / 5 ms, 4.2g / 10 ms)• at AC8,5g / 5 ms, 4.2g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC10 000 000• at DC10 000 000• at DC5 000 000• at DC10 000 000• of the contactor with added electronically optimized auxiliary switch block typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical2 000 m• of the contactor with added auxiliary switch block typical0 5/01/2012Ambient conditions2 000 minstallation altitude at height above sea level maximum2 000 mambient temperature-25 +60 °C	auxiliary switch	Yes
• at AC in hot operating state per pole9 W• without load current share typical3.4 WInsulation voltage1 000 V• of main circuit with degree of pollution 3 rated value1 000 V• of auxiliary circuit with degree of pollution 3 rated value1 000 Vsurge voltage resistance6 kV• of anin circuit rated value6 kV• of auxiliary circuit rated value6 kV• at AC8.5g / 5 ms, 4.2g / 10 ms• at AC8.5g / 5 ms, 4.2g / 10 ms• at AC13.4g / 5 ms, 6.5g / 10 ms• at AC13.4g / 5 ms, 6.5g / 10 ms• at AC10 000 000• at AC2000 mu• at AC05/01/2012Ambient conditions2 000 m• at AC2 000 m• at BC2 000 m	power loss [W] for rated value of the current	
• without load current share typical 3.4 W insulation voltage 0 of main circuit with degree of pollution 3 rated value 1 000 V • of axiliary circuit with degree of pollution 3 rated value 500 V • of axiliary circuit rated value 8 kV • of axiliary circuit rated value 8 kV • of axiliary circuit rated value 6 kV • at AC 8.5g / 5 ms, 4.2g / 10 ms • at DC 8.5g / 5 ms, 4.2g / 10 ms • at AC 13.4g / 5 ms, 6.5g / 10 ms • at AC 10 000 000 • at AC 10 000 000 • at DC 10 000 000 • of contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000	 at AC in hot operating state 	27 W
insulation voltage 0 • 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 500 V • of main circuit rated value 8 kV • of auxiliary circuit rated value 8 kV • of auxiliary circuit rated value 6 kV maximum permissible voltage for safe isolation between coll and main contacts according to EN 60947-1 690 V shock resistance at rectangular impulse 8,5g / 5 ms, 4,2g / 10 ms • at AC 8,5g / 5 ms, 4,2g / 10 ms • at AC 13,4g / 5 ms, 6,5g / 10 ms • at DC 13,4g / 5 ms, 6,5g / 10 ms • at DC 10 000 000 • at DC 10 000 000 • of contactor typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 05/01/2012 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature 4 uring operation	 at AC in hot operating state per pole 	9 W
• of main circuit with degree of pollution 3 rated value1 000 V• of auxiliary circuit with degree of pollution 3 rated value500 Vsurge voltage resistance8 kV• of main circuit rated value8 kV• of auxiliary circuit rated value6 kVmaximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1690 Vshock resistance at rectangular impulse8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC10 000 000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical0 QSubstance Prohibitance (Date)0 Q/12/12Ambient conditions2 000 minstallation altitude at height above sea level maximum • during operation2 000 m	 without load current share typical 	3.4 W
• of auxiliary circuit with degree of pollution 3 rated value500 Vsurge voltage resistance500 V• of main circuit rated value8 kV• of auxiliary circuit rated value6 kVmaximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1690 Vshock resistance at rectangular impulse6 kJ• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC10 000 000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typicalQSubstance Prohibitance (Date)2000 mInstallation altitude at height above sea level maximum2 000 mambient temperature- 25 +60 °C	insulation voltage	
value value surge voltage resistance 8 kV • 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 60947-1 600 V shock resistance at rectangular impulse 65g / 5 ms, 4,2g / 10 ms • at AC 8,5g / 5 ms, 4,2g / 10 ms • at AC 8,5g / 5 ms, 6,5g / 10 ms • at AC 13,4g / 5 ms, 6,5g / 10 ms • at AC 13,4g / 5 ms, 6,5g / 10 ms • at AC 13,4g / 5 ms, 6,5g / 10 ms • at AC 10 000 000 • of contactor typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 5000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 000 000	 of main circuit with degree of pollution 3 rated value 	1 000 V
• of main circuit rated value8 kV• of auxiliary circuit rated value6 kVmaximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1690 Vshock resistance at rectangular impulse690 V• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC10 000 000• at DC10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical05/01/2012Ambient conditions2 000 minstallation altitude at height above sea level maximum e during operation2 000 m	, , , , , , , , , , , , , , , , , , , ,	500 V
• of auxiliary circuit rated value6 kVmaximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1690 Vshock resistance at rectangular impulse6 kV• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC10 000 000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical05/01/2012meference code according to IEC 81346-2 Substance Prohibitance (Date)QInstallation altitude at height above sea level maximum e during operation2 000 m	surge voltage resistance	
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1690 Vshock resistance at rectangular impulse • at AC • at DC8,5g / 5 ms, 4,2g / 10 msshock resistance with sine pulse • at AC • at DC13,4g / 5 ms, 6,5g / 10 msshock resistance with sine pulse • at AC • at DC13,4g / 5 ms, 6,5g / 10 msmechanical service life (switching cycles) • of contactor typical10 000 000of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2 Substance Prohibitance (Date)QAmbient conditions2 000 minstallation altitude at height above sea level maximum • during operation2 000 m	 of main circuit rated value 	8 kV
coil and main contacts according to EN 60947-1shock resistance at rectangular impulse• at AC8,5g / 5 ms, 4,2g / 10 ms• at DC8,5g / 5 ms, 4,2g / 10 msshock resistance with sine pulse• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC10 000 000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)05/01/2012Ambient conditions2 000 minstallation altitude at height above sea level maximum • during operation2 000 m	 of auxiliary circuit rated value 	6 kV
• at AC8,5g / 5 ms, 4,2g / 10 ms• at DC8,5g / 5 ms, 4,2g / 10 msshock resistance with sine pulse		690 V
at DC8,5g / 5 ms, 4,2g / 10 msshock resistance with sine pulse8,5g / 5 ms, 4,2g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• mechanical service life (switching cycles)0000000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical000000000000000000000000000000000	shock resistance at rectangular impulse	
shock resistance with sine pulse istight of my high resistance • 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) i0 000 000 • of contactor typical 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 0 000 000 • of the contactor with added auxiliary switch block typical 0 000 000 • of the contactor go to LEC 81346-2 Q Substance Prohibitance (Date) 05/01/2012 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C	• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 msmechanical service life (switching cycles)10 000 000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor block typical05/01/2012• during operation2 000 m• during operation-25 +60 °C	● at DC	8,5g / 5 ms, 4,2g / 10 ms
• at DC13,4g / 5 ms, 6,5g / 10 ms• echanical service life (switching cycles)-• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical0000 000• feference code according to IEC 81346-2 Substance Prohibitance (Date)QAmbient conditions2 000 minstallation altitude at height above sea level maximum • during operation2 000 m	shock resistance with sine pulse	
mechanical service life (switching cycles) 10 000 000 • 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 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 05/01/2012 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C	• at AC	13,4g / 5 ms, 6,5g / 10 ms
• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)05/01/2012Ambient conditions2 000 minstallation altitude at height above sea level maximum e during operation2 000 m	• at DC	13,4g / 5 ms, 6,5g / 10 ms
• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)05/01/2012Ambient conditions2 000 minstallation altitude at height above sea level maximum e during operation2 000 m	mechanical service life (switching cycles)	
auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)05/01/2012Ambient conditions2 000 minstallation altitude at height above sea level maximum e during operation2 000 m	 of contactor typical 	10 000 000
typical Image: constraint of the product of the pro		5 000 000
Substance Prohibitance (Date) 05/01/2012 Ambient conditions installation altitude at height above sea level maximum ambient temperature 2 000 m • during operation -25 +60 °C		10 000 000
Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum 2 000 m ambient temperature during operation -25 +60 °C 	Substance Prohibitance (Date)	05/01/2012
ambient temperature • during operation -25 +60 °C	Ambient conditions	
• during operation -25 +60 °C	installation altitude at height above sea level maximum	2 000 m
	ambient temperature	
• during storage -55 +80 °C	during operation	-25 +60 °C
	during storage	-55 +80 °C

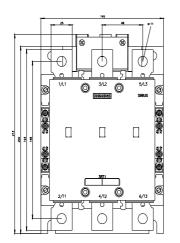
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30	95 %
maximum	
Main circuit	-
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	4 000 \/
at AC-3 rated value maximum	1 000 V
at AC-3e rated value maximum	1 000 V
operational current	220.4
 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	
- 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 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 225 A
— at 1000 V rated value	225 A
• at AC-4 at 400 V rated value	195 A
• at AC-6a	195 A
	225 A
 — up to 230 V for current peak value n=20 rated value 	223 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	225 A
• at AC-6a	
— 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

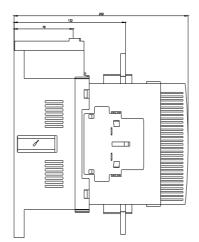
— at 500 V rated value	160 kW
— at 690 V rated value	200 kW
— at 1000 V rated value	315 kW
• at AC-3e	
— at 230 V rated value	55 kW
— at 400 V rated value	110 kW
— at 500 V rated value	160 kW
— at 690 V rated value	200 kW
— at 1000 V rated value	315 kW
operating power for approx. 200000 operating cycles at AC-4	
 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	1 000 1/h
• at DC	1 000 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	750 1/h 250 1/h
at AC-4 maximum Control circuit/ Control	250 1/h
at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage	
at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC	250 1/h AC/DC
at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value	250 1/h AC/DC 96 127 V
tat AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value at 60 Hz rated value	250 1/h AC/DC
at AC-4 maximum Control circuit/ Control 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	250 1/h AC/DC 96 127 V 96 127 V
at AC-4 maximum Control circuit/ Control 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	250 1/h AC/DC 96 127 V 96 127 V 96 127 V
at AC-4 maximum Control circuit/ Control 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 type of PLC-control input according to IEC 60947-1	250 1/h AC/DC 96 127 V 96 127 V 96 127 V Type 2
at AC-4 maximum Control circuit/ Control 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 orated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to	250 1/h AC/DC 96 127 V 96 127 V 96 127 V
at AC-4 maximum Control circuit/ Control 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 type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum	250 1/h AC/DC 96 127 V 96 127 V 96 127 V Type 2 20 mA
at AC-4 maximum Control circuit/ Control 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 type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value	250 1/h AC/DC 96 127 V 96 127 V 96 127 V 7ype 2 20 mA 24 V
tat AC-4 maximum Control circuit/ Control 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 type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control	250 1/h AC/DC 96 127 V 96 127 V 96 127 V Type 2 20 mA
at AC-4 maximum Control circuit/ Control 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 type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value	250 1/h AC/DC 96 127 V 96 127 V 96 127 V 7ype 2 20 mA 24 V
 at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC 	250 1/h AC/DC 96 127 V 96 127 V 96 127 V 7ype 2 20 mA 24 V
 at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC 	250 1/h AC/DC 96 127 V 96 127 V 96 127 V Type 2 20 mA 24 V 0.8 1.1
 at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC 	250 1/h AC/DC 96 127 V 96 127 V 96 127 V 7ype 2 20 mA 24 V 0.8 1.1
 at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC 	250 1/h AC/DC 96 127 V 96 127 V 96 127 V 7ype 2 20 mA 24 V 0.8 1.1
 at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC 	250 1/h AC/DC 96 127 V 96 127 V 96 127 V Type 2 20 mA 24 V 0.8 1.1 0.8 1.1
 at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC 	250 1/h AC/DC 96 127 V 96 127 V 96 127 V Type 2 20 mA 24 V 0.8 1.1 0.8 1.1
 at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC 	250 1/h AC/DC 96 127 V 96 127 V 96 127 V Type 2 20 mA 24 V 0.8 1.1 0.8 1.1
 at AC-4 maximum Control circuit/ Control 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 type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input rated value operating range factor of the voltage at PLC-control input 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 	250 1/h AC/DC 96 127 V 96 127 V 7ype 2 20 mA 24 V 0.8 1.1 0.8 1.1 0.8 1.1 0.8 1.1 with varistor
 at AC-4 maximum Control circuit/ Control 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 type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input rated value operating range factor of the voltage at PLC-control input 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 	250 1/h AC/DC 96 127 V 96 127 V 96 127 V Type 2 20 mA 24 V 0.8 1.1 0.8 1.1 0.8 1.1 0.8 1.1 vith varistor 570 VA
 at AC-4 maximum Control circuit/ Control 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 type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input rated value operating range factor of the voltage at PLC-control input 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 	250 1/h AC/DC 96 127 V 96 127 V 7ype 2 20 mA 24 V 0.8 1.1 0.8 1.1 0.8 1.1 0.8 1.1 vith varistor

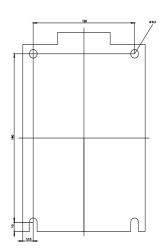
• at 50 Hz	0.8
• at 60 Hz	0.8
apparent holding power of magnet coil at AC	
• at 50 Hz	5.6 VA
• at 60 Hz	5.6 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.8
• at 60 Hz	0.8
closing power of magnet coil at DC	630 W
holding power of magnet coil at DC	3.4 W
closing delay	
• at AC	45 80 ms
• at DC	45 80 ms
opening delay	
• at AC	80 100 ms
• at DC	80 100 ms
arcing time	10 15 ms
control version of the switch operating mechanism	PLC-IN or Standard A1 - A2 (adjustable)
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous contact	2
number of NO contacts for auxiliary contacts instantaneous contact	2
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 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	
at 480 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	60 hp
— at 220/200 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	
Short-circuit protection	
design of the fuse link	

• for short circuit protection of the main circuit	
 for short-circuit protection of the main circuit 	aC: 500 A (600) (100 kA)
 — with type of coordination 1 required with type of assignment 2 required 	gG: 500 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (41
— with type of assignment 2 required	y 50 kA) V, 50 kA)
 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)
nstallation/ mounting/ dimensions	
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	
 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
— 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 	screw-type terminals
 at contactor for auxiliary contacts 	Screw-type terminals
 of magnet coil 	Screw-type terminals
width of connection bar	25 mm
thickness of connection bar	6 mm
diameter of holes	0 11111
	11 mm
number of holes	-
	11 mm
number of holes	11 mm
number of holes type of connectable conductor cross-sections	11 mm 1
number of holes type of connectable conductor cross-sections • at AWG cables for main contacts	11 mm 1
number of holes type of connectable conductor cross-sections • at AWG cables for main contacts connectable conductor cross-section for main	11 mm 1
number of holes type of connectable conductor cross-sections • at AWG cables for main contacts connectable conductor cross-section for main contacts • stranded connectable conductor cross-section for auxiliary	11 mm 1 2/0 500 kcmil
number of holes type of connectable conductor cross-sections • at AWG cables for main contacts connectable conductor cross-section for main contacts • stranded connectable conductor cross-section for auxiliary contacts	11 mm 1 2/0 500 kcmil 70 240 mm ²
number of holes type of connectable conductor cross-sections • at AWG cables for main contacts connectable conductor cross-section for main contacts • stranded connectable conductor cross-section for auxiliary contacts • solid or stranded	11 mm 1 2/0 500 kcmil 70 240 mm ² 0.5 4 mm ²
number of holes type of connectable conductor cross-sections	11 mm 1 2/0 500 kcmil 70 240 mm ²
number of holes type of connectable conductor cross-sections	11 mm 1 2/0 500 kcmil 70 240 mm ² 0.5 4 mm ²
number of holes type of connectable conductor cross-sections • at AWG cables for main contacts 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	11 mm 1 2/0 500 kcmil 70 240 mm ² 0.5 4 mm ² 0.5 2.5 mm ²
number of holes type of connectable conductor cross-sections at AWG cables for main contacts connectable conductor cross-section for main contacts stranded stranded solid or stranded finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid stranded at auxiliary contacts at auxiliary contacts	11 mm 1 2/0 500 kcmil 70 240 mm ² 0.5 4 mm ² 0.5 2.5 mm ² 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²), max. 2x (0.75 4 mm ²)
number of holes type of connectable conductor cross-sections • at AWG cables for main contacts 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	11 mm 1 2/0 500 kcmil 70 240 mm ² 0.5 4 mm ² 0.5 4 mm ² 0.5 2.5 mm ² 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²), max. 2x (0.75 4 mm ²) 2x (0,5 1,5 mm ²), 2x (0,75 2,5 mm ²), max. 2x (0,75 4 mm ²)
number of holes type of connectable conductor cross-sections at AWG cables for main contacts connectable conductor cross-section for main contacts 	11 mm 1 2/0 500 kcmil 70 240 mm ² 0.5 4 mm ² 0.5 4 mm ² 0.5 2.5 mm ² 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²), max. 2x (0.75 4 mm ²) 2x (0,5 1,5 mm ²), 2x (0.75 2,5 mm ²), max. 2x (0,75 4 mm ²) 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)
number of holes type of connectable conductor cross-sections • at AWG cables for main contacts 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	11 mm 1 2/0 500 kcmil 70 240 mm ² 0.5 4 mm ² 0.5 4 mm ² 0.5 2.5 mm ² 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²), max. 2x (0.75 4 mm ²) 2x (0,5 1,5 mm ²), 2x (0,75 2,5 mm ²), max. 2x (0,75 4 mm ²)
number of holes type of connectable conductor cross-sections at AWG cables for main contacts 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 or stranded for auxiliary contacts solid or stranded at AWG cables for auxiliary contacts at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross	11 mm 1 2/0 500 kcmil 70 240 mm ² 0.5 4 mm ² 0.5 4 mm ² 0.5 2.5 mm ² 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²), max. 2x (0.75 4 mm ²) 2x (0,5 1,5 mm ²), 2x (0.75 2,5 mm ²), max. 2x (0,75 4 mm ²) 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)
number of holes type of connectable conductor cross-sections • at AWG cables for main contacts 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	11 mm 1 2/0 500 kcmil 70 240 mm² 0.5 4 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), 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
number of holes type of connectable conductor cross-sections • at AWG cables for main contacts 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	11 mm 1 2/0 500 kcmil 70 240 mm ² 0.5 4 mm ² 0.5 4 mm ² 0.5 2.5 mm ² 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²), max. 2x (0.75 4 mm ²) 2x (0,5 1,5 mm ²), 2x (0.75 2,5 mm ²), max. 2x (0,75 4 mm ²) 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)

 mirror contact 	according to IEC 60947	-4-1 Y	′es		
 positively drive 5-1 	en operation according to	DIEC 60947- N	lo		
-	on the front according	to IEC	P00; IP20 with box term	ninal/cover	
				ontact from the front with bo	ox terminal/cover
suitability for use					
 safety-related 	0	Υ	′es		
Certificates/ approva		_	_	_	_
General Product A	pproval				
(SP)		<u>Confirmation</u>		KC	EHC
EMC	Functional Safety/Safety of Machinery	Declaration of C	conformity	Test Certificates	
RCM	<u>Type Examination</u> <u>Certificate</u>	CE EG-Konf.	UK CA	Special Test Certific- ate	<u>Type Test Certific-</u> ates/Test Report
Marine / Shipping					other
ABS	Lloyds Register us	PRS	RMRS R	DNV-GL CHARLEDBAR	<u>Confirmation</u>
other		Railway			
<u>Miscellaneous</u>	<u>Confirmation</u>	<u>Special Test Certi</u> <u>ate</u>	<u>ic-</u>		
urther information					
Information- and Do https://www.siemens	ownloadcenter (Catalo s.com/ic10	gs, Brochures,)			
Industry Mall (Onlin	ne ordering system) siemens.com/mall/en/en	/Catalog/product?m			
Cax online generat	or				
	ation.siemens.com/WW/ Manuals, Certificates, (<u>T1264-6NF36</u>	
https://support.indus	try.siemens.com/cs/ww/	en/ps/3RT1264-6NI	<u>-36</u>		
http://www.automatic Characteristic: Trip https://support.indus Further characteris	on siemens.com/bilddb/o pping characteristics, l' try.siemens.com/cs/ww/ tics (e.g. electrical end	22222222222222222222222222222222222222	RT1264-6NF36⟨= rent F36/char frequency)	cuit diagrams, EPLAN mac en NF36&objecttype=14&gridy	
nup.//www.automatic	<u></u>		archathing=3rt11204-0	The Social Social Street Social S	







last modified:

3/24/2022 🖸