SIEMENS

Data sheet

3RT1065-2AT36



power contactor, AC-3 265 A, 132 kW / 400 V AC (50-60 Hz) / DC operation 575-600 V AC/DC auxiliary contacts 2 NO + 2 NC 3-pole, frame size S10 busbar connections drive: conventional spring-loaded terminal

size of contactor S10 product extension No • function module for communication No • auxilary switch Yes power loss [W] for rated value of the current + at AC in hot operating state 54 W • at AC in hot operating state per pole 18 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 500 V • of main circuit with degree of pollution 3 rated value 6 kV 500 V • of auxiliary circuit rated value 6 kV 6 kV • of auxiliary circuit rated value 8 kV 6 kV • of auxiliary circuit rated value 8 kV 6 kV • of auxiliary circuit rated value 8 kV 6 kV • at DC 8.5g / 5 ms, 4.2g / 10 ms 8.5g / 5 ms, 4.2g / 10 ms • at DC 13.4g / 5 ms, 6.5g / 10 ms 13.4g / 5 ms, 6.5g / 10 ms • at DC 10 000 000 5000 000 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 10 000 000	product brand name	SIRIUS
Size of contactor S10 product extension	product designation	Power contactor
size of contactor S10 product extension No • function module for communication No • auxilary switch Yes power loss [W] for rated value of the current + at AC in hot operating state 54 W • at AC in hot operating state per pole 18 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 500 V • of main circuit with degree of pollution 3 rated value 6 kV 500 V • of auxiliary circuit rated value 6 kV 6 kV • of auxiliary circuit rated value 8 kV 6 kV • of auxiliary circuit rated value 8 kV 6 kV • of auxiliary circuit rated value 8 kV 6 kV • at DC 8.5g / 5 ms, 4.2g / 10 ms 8.5g / 5 ms, 4.2g / 10 ms • at DC 13.4g / 5 ms, 6.5g / 10 ms 13.4g / 5 ms, 6.5g / 10 ms • at DC 10 000 000 5000 000 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 10 000 000	product type designation	3RT1
product extension No • function module for communication Yes • auxiliary switch Yes • at AC in hot operating state 54 W • at AC in hot operating state 54 W • at AC in hot operating state 18 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 1 000 V • of auxiliary circuit rated value 6 kV • of main circuit rated value 6 kV • of main circuit rated value 6 kV • of main circuit rated value 8 kV • of main circuit rated value 8 kV • of main circuit rated value 8 kV • of main circuit rated value 90 V • of auxiliary circuit rated value 90 V • of auxiliary circuit rated value 90 V • 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 electronically optimized auxiliar	General technical data	
• function module for communicationNo• auxiliary switchYespower loss [W] for rated value of the current54 W• at AC in hot operating state per pole18 W• at AC in hot operating state per pole18 W• of main circuit with degree of pollution 3 rated value1000 V• of auxiliary circuit with degree of pollution 3 rated value500 V• of main circuit with degree of pollution 3 rated value6 kV• of main circuit with degree of pollution 3 rated600 V• of main circuit rated value6 kV• of auxiliary circuit rated value6 kV• of auxiliary 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 DC13,4g / 5 ms, 6,5g / 10 ms• at DC100 000• of the contactor with added electronically optimized• of the contactor with added electronically optimized100 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 typical10 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 typical10 000 000• of the contactor with added auxiliary switch block	size of contactor	S10
• auxiliary switchYespower loss [W] for rated value of the current• at AC in hot operating state pole18 W• at AC in hot operating state probe18 W• without load current share typical7.4 Winsulation voltage• 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 value6 kV• of main circuit rated value6 kV• of main circuit rated value690 V• of auxiliary circuit rated value690 V• 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 AC5000 000• at AC5000 000• at AC10,000 000• at AC10,000 000• at AC5000 000• at AC6000 000• at AC6000 000• at AC0000 000• at AC <t< td=""><td>product extension</td><td></td></t<>	product extension	
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 auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit rated value at AC at DC at DC at AC at DC at DC at DC at DC of contactor typical of the contactor with added electronically optimized 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<	 function module for communication 	No
• at AC in hot operating state54 W• at AC in hot operating state per pole18 W• without load current share typical7.4 WInsulation voltage7.4 W• of main circuit with degree of pollution 3 rated value1 000 V• of auxiliary circuit with degree of pollution 3 rated value500 V• of main circuit rated value6 kV• of auxiliary circuit rated value8 kV• of auxiliary circuit rated value6 kV• of auxiliary circuit rated value8 kV• of auxiliary circuit rated value6 kV• of auxiliary circuit rated value8 kV• of auxiliary circuit rated value6 kV• of auxiliary circuit rated value8 kV• of auxiliary circuit rated value6 kV• of auxiliary circuit rated value8 kV• of auxiliary circuit rated value6 kV• of auxiliary circuit rated value8 kV• of auxiliary circuit rated value8 kV• of auxiliary circuit rated value8 kV• at AC8.5g / 5 ms, 4.2g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC10 000 000• of the contactor with added electronically optimized 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 auxilia	 auxiliary switch 	Yes
• at AC in hot operating state per pole18 W• without load current share typical7.4 Winsulation voltage1000 V• of main circuit with degree of pollution 3 rated value1000 Vsurge voltage resistance1000 V• of main circuit rated value8 kV• of main circuit rated value6 kV• of auxiliary circuit rated value6 kV• of auxiliary circuit rated value8 kV• of auxiliary circuit rated value600 V• of auxiliary circuit rated value8 kV• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC10 000 000• at DC10 000 000• of 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 typical2000 m• of the contactor with added auxiliary switch block typical2000 m• autilation attitude at height above sea level maximum2000 m• autiliary aptic terperature2000 m	power loss [W] for rated value of the current	
• without load current share typical7.4 Winsulation voltage7.4 W• of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value1 000 Vsurge voltage resistance500 V• of main circuit rated value8 kV• of auxiliary circuit rated value6 kVof auxiliary circuit rated value6 kVmaximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1800 Vshock resistance at rectangular impulse8,5g / 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 AC10 000 000• at AC10 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• for the contactor with added auxiliary switch block typical10 000 000• forthe contactor with added auxiliary switch block typical2000 minstallation altitude at height above sea level maximum • during operation2000 m	 at AC in hot operating state 	54 W
insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of main circuit rated value of main circuit rated value of auxiliary circuit rated value blow cortage at AC at DC blow contactor with added electronically optimized auxiliary switch block typical at DC blow contactor with addee auxiliary switch block typical blow couto contactor with addee auxiliary switch b	 at AC in hot operating state per pole 	18 W
of main circuit with degree of pollution 3 rated value1 000 Vsurge voltage resistance500 Vof main circuit rated value8 kVof main circuit rated value6 kVmaximum permissible voltage for safe isolation between coll and main contacts according to EN 60947-1690 Vshock resistance at rectangular impulse6,5g / 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 AC8,5g / 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 AC13,4g / 5 ms, 6,5g / 10 ms• at AC10 000 000• at AC2000 no• at AC2000 no• at AC2000 m• at BC10 000 000• at BC2000 m	 without load current share typical 	7.4 W
• of auxiliary circuit with degree of pollution 3 rated value500 Vsurge voltage resistance6• 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 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 typical10 000 000• of the contactor with added auxiliary switch block typical05/01/2012reference code according to IEC 81346-2QSubstance Prohibitance (Date)05/01/2012Ambient conditions2 000 mambient temperature • during operation2 000 m	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 coll and main contacts according to EN 60947-1 690 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, 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 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 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 2000 m ambient temperature 2000 m ambient temperature 40 °C	 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 impulse6 k5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at DC8,5g / 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• 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 typical2 000 mmethanical service (Date)2 000 mAmbient 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 k5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at DC13,4g / 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• at DC10 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 typical000 000• ference code according to IEC 81346-2QSubstance Prohibitance (Date)05/01/2012Installation altitude at height above sea level maximum • 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 impulse690 V• at AC8,5g / 5 ms, 4,2g / 10 ms• at DC8,5g / 5 ms, 4,2g / 10 msshock resistance with sine pulse13,4g / 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• 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 typical000 000• freference code according to IEC 81346-2 Substance Prohibitance (Date)QAmbient conditions2 000 mambient temperature • during operation-25 +60 °C	 of main circuit rated value 	8 kV
coil and main contacts according to EN 60947-1 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 • 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 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 10 000 000 • of the contactor with added auxiliary switch block typical 05/01/2012 ADE 2000 m 2000 m ambient temperature 2000 m • durin	 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 pulse13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC10,000 000mechanical 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 typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000• of the contactor with added auxiliary switch block typical000 000		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 msmechanical 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 typical00000000• of the contactor with added auxiliary switch block typical000000000000000000000000000000000	shock resistance at rectangular impulse	
shock resistance with sine pulse istrict of the contact of typical • 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) in 0 000 000 • 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 0 0000 • of the contactor with added auxiliary switch block typical 0 000 000 • of the contactor typical 0 0000 • of the contactor block typical 0 0000 • of the contactor with added auxiliary switch block typical 0 0000 • of the contactor block typical 0 0000 • of the contactor with added auxiliary switch block 0 0000 • of the contactor with added auxiliary switch block 0 0000 • of the contactor typical 0 0000 • of the contactor block 0 0000 • of the contactor block 0 0000 • for the contactor block 0 0000 • of the contactor block 0 0000 • of the contactor block	• 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)·• 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 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 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 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 with added auxiliary switch block typical<	• at DC	8,5g / 5 ms, 4,2g / 10 ms
• at DC 13,4g / 5 ms, 6,5g / 10 ms 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 • of the contactor with added auxiliary switch block typical 000 000 • of the contactor with added auxiliary switch block typical 000 000 • of the contactor with added auxiliary switch block typical 000 000 • of the contactor with added auxiliary switch block typical 000 000 • of the contactor with added auxiliary switch block typical 000 000 • of the contactor with added auxiliary switch block typical 000 000 • of the contactor typical 05/01/2012 Ambient conditions 2 000 m ambient temperature -25 +60 °C • during operation -25 +60 °C	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 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 • during operation2 000 m	mechanical service life (switching cycles)	
auxiliary switch block typicalI0 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 contactor typical 	10 000 000
typical Image: constraint of the second se		5 000 000
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		10 000 000
Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature • during operation -25 +60 °C	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum 2 000 m ambient temperature -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 operation 	-25 +60 °C
• during storage -55 +80 °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 at AC-3 rated value maximum 	1 000 V
 at AC-3 rated value maximum at AC-3e rated value maximum 	1 000 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated value	330 A
 at AC-1 up to 690 V at ambient temperature 40 °C rated value 	330 A
— up to 690 V at ambient temperature 60 °C rated value	300 A
— up to 1000 V at ambient temperature 40 °C rated value	150 A
— up to 1000 V at ambient temperature 60 °C rated value	150 A
• at AC-3	
— at 400 V rated value	265 A
— at 500 V rated value	265 A
— at 690 V rated value	265 A 95 A
 — at 1000 V rated value at AC-3e 	95 A
- at 400 V rated value	265 A
— at 500 V rated value	265 A
— at 1000 V rated value	95 A
 at AC-4 at 400 V rated value 	230 A
 at AC-5a up to 690 V rated value 	290 A
 at AC-5b up to 400 V rated value at AC-6a 	219 A
 — up to 230 V for current peak value n=20 rated value 	265 A
— up to 400 V for current peak value n=20 rated value	265 A
 — up to 500 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated 	265 A 265 A
- up to 000 V for current peak value n=20 rated - up to 1000 V for current peak value n=20 rated	95 A
value ● at AC-6a	
— up to 230 V for current peak value n=30 rated value	184 A
— up to 400 V for current peak value n=30 rated value	184 A
 — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated 	184 A 184 A
- up to 690 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated	95 A
minimum cross-section in main circuit at maximum AC-1	185 mm ²
rated value operational current for approx. 200000 operating	
cycles at AC-4	447.4
at 400 V rated value at 600 V rated value	117 A
at 690 V rated value	105 A
operational current • at 1 current path at DC-1	
— at 24 V rated value	300 A

	22.4
— at 110 V rated value	33 A
— at 220 V rated value	3.8 A
— at 440 V rated value	0.9 A
— at 600 V rated value	0.6 A
 with 2 current paths in series at DC-1 	
— at 24 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	300 A
— at 440 V rated value	4 A
— at 600 V rated value	2 A
 with 3 current paths in series at DC-1 	
— at 24 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	300 A
— at 440 V rated value	11 A
— at 600 V rated value	5.2 A
 at 1 current path at DC-3 at DC-5 	
— at 24 V rated value	300 A
— at 110 V rated value	3 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.18 A
— at 600 V rated value	0.125 A
with 2 current paths in series at DC-3 at DC-5	0.120 A
	300 A
— at 24 V rated value	
— at 110 V rated value	300 A
— at 220 V rated value	2.5 A
— at 440 V rated value	0.65 A
— at 600 V rated value	0.37 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	300 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	
• at AC-3	
— at 230 V rated value	75 kW
— at 400 V rated value	132 kW
— at 500 V rated value	160 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	132 kW
• at AC-3e	
— at 230 V rated value	75 kW
— at 400 V rated value	132 kW
— at 500 V rated value	160 kW
— at 1000 V rated value	132 kW
operating power for approx. 200000 operating cycles	
at AC-4	
• at 400 V rated value	66 kW
 at 690 V rated value 	102 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	100 000 kVA
• up to 400 V for current peak value n=20 rated value	180 000 VA
• up to 500 V for current peak value n=20 rated value	220 000 VA
• up to 690 V for current peak value n=20 rated value	310 000 VA
• up to 1000 V for current peak value n=20 rated value	160 000 VA
• up to 1000 v for current peak value fi=20 rated value	100 000 VA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	70 000 VA
• up to 400 V for current peak value n=30 rated value	120 000 VA
up to 500 V for current peak value n=30 rated value	150 000 VA

• up to 690 V for current peak value n=30 rated value	220 000 VA
 up to 1000 V for current peak value n=30 rated value 	160 000 VA
short-time withstand current in cold operating state up to 40 °C	
 limited to 1 s switching at zero current maximum 	4 880 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	4 045 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	2 785 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	1 664 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	1 276 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	2 000 1/h
• at DC	2 000 1/h
operating frequency	
• at AC-1 maximum	800 1/h
• at AC-2 maximum	300 1/h
• at AC-3 maximum	700 1/h
• at AC-3e maximum	700 1/h
• at AC-4 maximum	130 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
• at 50 Hz rated value	575 600 V
at 50 Hz rated value at 60 Hz rated value	575 600 V
control supply voltage at DC	
rated value	575 600 V
operating range factor control supply voltage rated value of magnet coil at DC	
initial value	0.8
• full-scale value	1.1
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1
design of the surge suppressor	with varistor
apparent pick-up power of magnet coil at AC	
● at 50 Hz	590 VA
• at 60 Hz	590 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.9
• at 60 Hz	0.9
apparent holding power of magnet coil at AC	
• at 50 Hz	6.7 VA
• at 60 Hz	6.7 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.9
• at 60 Hz	0.9
closing power of magnet coil at DC holding power of magnet coil at DC	650 W 7.4 W
closing delay	V T. 1
• at AC	30 95 ms
• at DC	30 95 ms
opening delay	
• at AC	40 80 ms
• at DC	40 80 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts	2
instantaneous contact	

number of NO contacts for auviliant contacts	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	1A
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	240 A
at 600 V rated value	242 A
yielded mechanical performance [hp]	
 for 3-phase AC motor 	
— at 200/208 V rated value	75 hp
— at 220/230 V rated value	100 hp
— at 460/480 V rated value	200 hp
— at 575/600 V rated value	250 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	
 for short-circuit protection of the main circuit 	
 with type of coordination 1 required 	gG: 500 A (690 V, 100 kA)
 — with type of assignment 2 required 	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415
• for short arouit protection of the sublicer sublet	V, 50 kA)
 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting
	surface +/- 22.5° tiltable to the front and back
fastening method	screw fixing
side-by-side mounting	Yes
height	210 mm
width	145 mm
depth	202 mm
required spacing	
with side-by-side mounting forwards	20 mm
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
for grounded parts forwards	20 mm
— forwards	20 mm
— upwards	10 mm

	en operation according to		No		
•	according to IEC 60947-	4-1	Yes		
product function					
Safety related data		-	24 14		
 section for auxiliary co 	ntacts		24 14		
	ded connectable cond	uctor cross			
at AWG cables for auxiliary contacts		2x (24 14)			
	nded without core end p	rocessing	2x (0.25 2.5 mm²)		
— finely stra	nded with core end proc	essing	2x (0.25 1.5 mm²)		
— solid or st	randed		2x (0,25 2,5 mm ²)		
— solid			2x (0.25 2.5 mm²)		
 for auxiliary co 	ntacts				
type of connectable	e conductor cross-sect	ons			
	without core end proces		0.25 2.5 mm ²		
 finely stranded 	with core end processin	g	0.25 1.5 mm²		
 solid or strande 	ed		0.25 2.5 mm²		
contacts		,			
	ctor cross-section for a	auxiliary			
stranded			70 240 mm²		
connectable condu- contacts	ctor cross-section for I	nain			
	s for main contacts	nain	2/0 500 kcmil		
	e conductor cross-sect	ions	0/0 5001 "		
number of holes			1		
diameter of holes			11 mm		
thickness of conne	ction bar		6 mm		
width of connection	n bar		25 mm		
 of magnet coil 	,		Spring-type terminals		
	r auxiliary contacts		Spring-type terminals		
 for auxiliary an 			spring-loaded terminals		
 for main currer 			Connection bar		
type of electrical co					
Connections/ Termin	-		10 1111		
— at the side			10 mm 10 mm		
— upwards — downward	40				
— forwards			20 mm 10 mm		
 for live parts 			00		
— downward	ds		10 mm		
— at the side	e		10 mm		

RCM	<u>Type Examination</u> <u>Certificate</u>	UK CA	CE EG-Konf.	Special Test Certific- ate	Type Test Certific- ates/Test Report	
Marine / Shipping					other	
ABS	Lloyds Register us	PRS	RMRS RMRS	CINV-GL DIVILCORE	<u>Miscellaneous</u>	
other			Railway			
<u>Confirmation</u>	<u>Miscellaneous</u>	<u>Confirmation</u>	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=3RT1065-2AT36					

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1065-2AT36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-2AT36

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1065-2AT36&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-2AT36/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1065-2AT36&objecttype=14&gridview=view1

last modified:

3/24/2022 🖸