SIEMENS

Data sheet

3RT1066-6PP35



power contactor, AC-3 300 A, 160 kW / 400 V, AC (50-60 Hz) / DC operation 200-277 V AC/DC auxiliary contacts 1 NO + 1 NC 3-pole, frame size S10 busbar connections drive: electronic with PLC / SIMOCODE - interface and remaining lifetime signal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
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 	66 W
 at AC in hot operating state per pole 	22 W
 without load current share typical 	3.4 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	1 000 V
 of auxiliary circuit with degree of pollution 3 rated value 	500 V
surge voltage resistance	
 of main circuit rated value 	8 kV
 of auxiliary circuit rated value 	6 kV
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (switching cycles)	
 of contactor typical 	10 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
 during storage 	-55 +80 °C

relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30	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
operational current	1 000 V
• at AC-1 at 400 V at ambient temperature 40 °C	330 A
rated value	
• 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	300 A
— at 500 V rated value	300 A
— at 690 V rated value	280 A
— at 1000 V rated value	95 A
• at AC-3e	200 4
— at 400 V rated value	300 A
— at 500 V rated value	300 A
— at 1000 V rated value	95 A
• at AC-4 at 400 V rated value	280 A
• at AC-5a up to 690 V rated value	290 A 249 A
 at AC-5b up to 400 V rated value at AC-6a 	249 A
 — up to 230 V for current peak value n=20 rated value 	292 A
 — up to 400 V for current peak value n=20 rated value 	292 A
 up to 500 V for current peak value n=20 rated value 	292 A
 — up to 690 V for current peak value n=20 rated value 	280 A
— up to 1000 V for current peak value n=20 rated value	95 A
• at AC-6a	105 A
 — up to 230 V for current peak value n=30 rated value 	195 A
 — up to 400 V for current peak value n=30 rated value 	195 A
 — up to 500 V for current peak value n=30 rated value 	195 A
 — up to 690 V for current peak value n=30 rated value 	195 A
 up to 1000 V for current peak value n=30 rated value 	95 A
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	125 A
• at 690 V rated value	115 A
operational current	
at 1 current path at DC-1	
— at 24 V rated value	300 A

— 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	
— at 24 V rated value	300 A
— 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 	0.01 A
- 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	90 kW
— at 400 V rated value	160 kW
— at 500 V rated value	200 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	132 kW
• at AC-3e	00 kW
— at 230 V rated value	90 kW
— at 400 V rated value	160 kW
— at 500 V rated value	200 kW
— at 1000 V rated value	132 kW
operating power for approx. 200000 operating cycles at AC-4	
at 400 V rated value	71 kW
at 690 V rated value	112 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	110 000 kVA
• up to 400 V for current peak value n=20 rated value	200 000 VA
• up to 500 V for current peak value n=20 rated value	250 000 VA
• up to 690 V for current peak value n=20 rated value	330 000 VA
• up to 1000 V for current peak value n=20 rated value	160 000 VA
value	
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	130 000 VA
 up to 500 V for current peak value n=30 rated value 	160 000 VA

 up to 690 V for current peak value n=30 rated value 	230 000 VA
• up to 1000 V for current peak value n=30 rated value	160 000 VA
value	
short-time withstand current in cold operating state up to 40 °C	
 limited to 1 s switching at zero current maximum 	5 524 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	4 579 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	3 153 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	1 883 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	1 445 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	1 000 1/h
• at DC	1 000 1/h
operating frequency	
 at AC-1 maximum 	750 1/h
 at AC-2 maximum 	250 1/h
• at AC-3 maximum	500 1/h
• at AC-3e maximum	500 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	200 277 V
• at 60 Hz rated value	200 277 V
control supply voltage at DC	
rated value	200 277 V
type of PLC-control input according to IEC 60947-1	Туре 2
consumed current at PLC-control input according to	20 mA
IEC 60947-1 maximum	
voltage at PLC-control input rated value	24 V
operating range factor of the voltage at PLC-control input	0.8 1.1
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	500.1/4
● at 50 Hz ● at 60 Hz	530 VA 530 VA
• at 60 Hz inductive power factor with closing power of the coil	
at 50 Hz	0.8
• at 50 Hz	0.8
apparent holding power of magnet coil at AC	
• at 50 Hz	5 VA
• at 60 Hz	5 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.5
• at 60 Hz	0.5
closing power of magnet coil at DC	580 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	1
number of NO contacts for auxiliary contacts instantaneous contact	1
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	302 A
	302 A 289 A
• at 480 V rated value	
at 480 V rated value at 600 V rated value yielded mechanical performance [hp]	
at 480 V rated valueat 600 V rated value	
 at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor 	289 A
 at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value 	289 A 100 hp 125 hp
 at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value 	289 A 100 hp
 at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value 	289 A 100 hp 125 hp 250 hp
 at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value 	289 A 100 hp 125 hp 250 hp 300 hp
at 480 V rated value at 600 V rated value yielded mechanical performance [hp] o 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	289 A 100 hp 125 hp 250 hp 300 hp
at 480 V rated value at 600 V rated value yielded mechanical performance [hp] o 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	289 A 100 hp 125 hp 250 hp 300 hp
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at 480 V rated value at 600 V rated value yielded mechanical performance [hp] o for 3-phase AC motor — at 200/208 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 Contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link o for short-circuit protection of the main circuit	289 A 100 hp 125 hp 250 hp 300 hp A600 / Q600
 at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required 	289 A 100 hp 125 hp 250 hp 300 hp A600 / Q600
 at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required 	289 A 100 hp 125 hp 250 hp 300 hp A600 / Q600
 at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required 	289 A 100 hp 125 hp 250 hp 300 hp A600 / Q600
 at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required 	289 A 100 hp 125 hp 250 hp 300 hp A600 / Q600
 at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required 	289 A 100 hp 125 hp 250 hp 300 hp A600 / Q600
 at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value at 575/600 V rated value Contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required 	289 A 100 hp 125 hp 250 hp 300 hp A600 / Q600
 at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value at 575/600 V rated value Contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting 	289 A 100 hp 125 hp 250 hp 300 hp A600 / Q600
 at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required 	289 A 100 hp 125 hp 250 hp 300 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm
 at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required 	289 A 100 hp 125 hp 250 hp 300 hp A600 / Q600
 at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth 	289 A 100 hp 125 hp 250 hp 300 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm
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 at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting 	289 A 100 hp 125 hp 250 hp 300 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 165 mm 202 mm
 at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing 	289 A 100 hp 125 hp 250 hp 300 hp A600 / Q600

	— downwards	10 mm				
- for grounded parts - forwards - forwards - forwards - dowards - at the side - of the parts - enverands - at the side - of the parts - enverands - of the parts						
- proveds - orwards		0 mm				
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- at the side 10 mm Connectional Terminals Connection bar 9 of offictical connection Connection bar • of main current drouti Screw-type terminals • of magnet coll Screw-type terminals witch of connection bar 6 mm diameter of holes 1 mm number of holes 1 of additional conductor cross-section for main 20 500 kcmil connectable conductor cross-section for auxiliary 0.5 4 mm² connectable conductor cross-section for auxiliary 0.5 25 mm² connectable conductor cross-section for auxiliary 0.5 25 mm² connectable conductor cross-section for auxiliary 0.5 25 mm² connectable conductor cross-sections 0.5 15 mm²), 2x (0.75 25 mm²), max. 2x (0.75 4 mm²) v(0 do in stranded 0.5 15 mm²), 2x (0.75 25 mm²), max. 2x (0.75 4 mm²) width of connectable conductor cross 100 mm² - axild or stranded 18 14 Stately related data 18 14 Staty related data 1000 000 protection closs IP on the front according to IEC 60947-51 Yes sately related data 1000 000 <td< td=""><td>•</td><td></td></td<>	•					
Connections/Terminals type of electrical connection • for mail current circuit • account control cont						
type of electrical connection for main current circuit et a contactor for auxiliary contacts of magnet coll width of connection bar et a contactor for auxiliary contacts of magnet coll width of connection bar finkerses of connection bar finkerses of connection bar finkerses of connectable conductor cross-sections et AWG cables for main contacts connectable conductor cross-section for auxiliary contacts et al WG cables for main contacts connectable conductor cross-section for auxiliary contacts et al WG cables conductor cross-sections et al wild or stranded finely stranded with core end processing for auxiliary contacts a di dor of stranded for auxiliary contacts a di VG cables for auxiliary contacts b or auxiliary contacts a di VG cables for auxiliary contacts b or auxiliary contacts a di VG cables for auxiliary contacts b o		10 mm				
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 Or auxiliary and control circuit al contactor for auxiliary contacts of angunet coli Grew-type terminals Screw-type terminals Screw-	type of electrical connection					
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width of connection bar 25 mm thickness of connectable conductor cross-sections 6 mm • at AWG cables for main contacts 20 500 kcmill connectable conductor cross-section for main contacts 20 500 kcmill • stranded 70 240 mm ² connectable conductor cross-section for auxiliary contacts 0.5 4 mm ² • sid or stranded 0.5 4 mm ² • finely stranded with core end processing 0.5 25 mm ³ , Max. 2x (0.75 4 mm ²) • for auxiliary contacts 2x (0.5 1.5 mm ³), 2x (0.75 2.5 mm ³), max. 2x (0.75 4 mm ²) • solid or stranded 0.5 2 mm ³ • for auxiliary contacts 2x (0.5 1.5 mm ³), 2x (0.75 2.5 mm ³), max. 2x (0.75 4 mm ³) • solid or stranded 2x (0.5 1.5 mm ³), 2x (0.75 2.5 mm ³), max. 2x (0.75 4 mm ³) • al AWG cables for auxiliary contacts 2x (0.5 1.5 mm ³), 2x (0.75 2.5 mm ³) • at AWG cables for auxiliary contacts 18 14 Safety related data 1000 000 product function 1000 100 • mirror contact according to IEC 60947-4-1 Yes • solety related awitching OFF Yes • astery related switching OFF Yes • aster	 at contactor for auxiliary contacts 	Screw-type terminals				
thickness of connection bar 6 mm diameter of holes 1 mm number of holes 1 type of connectable conductor cross-sections 20 500 kcmill connectable conductor cross-section for main contacts 20 500 kcmill connectable conductor cross-section for main contacts 70 240 mm ² stranded 0.5 4 mm ² connectable conductor cross-sections 0.5 4 mm ² e slid or stranded 0.5 4 mm ² - solid - solid or stranded - solid - solid or stranded - solid or stranded 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) - solid 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) - solid or stranded - finely stranded with core end processing - finely stranded with core end processing 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) - for auxiliary contacts 18 14 Safety related data 100 rauxiliary contacts product function 1000 000 initror contact according to IEC 60947-41 Yes • astively crelated switching OFF Yes	of magnet coil	Screw-type terminals				
diameter of holes 11 mm number of holes 1 number of holes 1 type of connectable conductor cross-section for main contacts 20 500 kcmil connectable conductor cross-section for auxiliary contacts 20 500 kcmil e stranded 70 240 mm² connectable conductor cross-section for auxiliary contacts 0.5 4 mm² e finely stranded with core end processing 0.5 4 mm²) - solid 0.5 15 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) - of auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) AWG rumber as coded connectable conductor cross section 18 14 Safety related data 1000 000 product function 10 100 000 product function 10 100 000 protection class P on the front according to IEC 60529 1000 000	width of connection bar	25 mm				
number of holes 1 type of connectable conductor cross-section for main contacts 2/0 500 kcmil connectable conductor cross-section for auxiliary contacts 2/0 500 kcmil e stranded 70 240 mm ² connectable conductor cross-section for auxiliary contacts 0.5 4 mm ² e finely stranded with core end processing 0.5 4 mm ² type of connectable conductor cross-sections 0.5 2.5 mm ²) e finely stranded with core end processing 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²), max. 2x (0.75 4 mm ²) e solid or stranded 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²), max. 2x (0.75 4 mm ²) e of auxiliary contacts 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²), max. 2x (0.75 4 mm ²) e of auxiliary contacts 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²), max. 2x (0.75 4 mm ²) e of auxiliary contacts 18 14 Sately related data 70 miles condectable conductor cross section product function 100 noto e indively driven operation according to IEC 60947-4.1 Yes e indely related witching OFF Yes touch protection on the front according to IEC 60529 1000 000 product function inger-safe, for vertical contact from the front with b	thickness of connection bar	6 mm				
type of connectable conductor cross-section for main contacts 2/0 500 kcmil connectable conductor cross-section for main contacts 70 240 mm² connectable conductor cross-section for auxiliary contacts 0.5 4 mm² e solid or stranded 0.5 4 mm² for auxiliary contacts 0.5 4 mm² - solid - solid - solid or stranded 0.5 1.5 mm²), 2x (0.75 2.5 mm²), max, 2x (0.75 4 mm²) - finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max, 2x (0.75 4 mm²) - solid - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max, 2x (0.75 4 mm²) - finely stranded with core end processing - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max, 2x (0.75 4 mm²) - solid or stranded - solid or stranded - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) - finely stranded with core end processing - solid or stranded - solid or stranded - solid or stranded - minor contact according to IEC 60947-4-1 - solid or stranded - solid or stranded - solid or stranded - by totated data 1000 000 1000 000 IP00; IP20 with box terminal/cover grotaction class IP on the front according to IEC 60529 <td>diameter of holes</td> <td>11 mm</td>	diameter of holes	11 mm				
• at AWG cables for main contacts 2/0 500 kcmil connectable conductor cross-section for auxiliary contacts 70 240 mm² • solid or stranded 0.5 4 mm² • solid or stranded 0.5 4 mm² • finely stranded with core end processing 0.5 2.5 mm³, max. 2x (0.75 4 mm²) • solid or stranded 0.5 1.5 mm²), 2x (0.75 2.5 mm³), max. 2x (0.75 4 mm²) • solid or stranded 0.5 1.5 mm²), 2x (0.75 2.5 mm³), max. 2x (0.75 4 mm²) • solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm³), max. 2x (0.75 4 mm²) • solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • of auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • at AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • or auxiliary contacts 18 14 Safety related data 18 14 Safety related data 1000 000 product function 1000 uou • or auxiliary contacts cording to IEC 60947-4-1 Yes B10 value with high demand rate according to IEC 60947 No • or auxiliary contacts Inger-safe, for vertical contact from the front with box terminal/cover 62529 Yes	number of holes	1				
connectable conductor cross-section for main contacts 70 240 mm ² e stranded 70 240 mm ² connectable conductor cross-section for auxiliary contacts 0.5 4 mm ² e solid or stranded 0.5 2.5 mm ² e finely stranded with core end processing 0.5 4 mm ² - solid - solid or stranded - solid or stranded 0.5 1.5 mm ²), 2x (0.75 2.5 mm ²), max. 2x (0.75 4 mm ²) - solid or stranded - finely stranded with core end processing - finely stranded with core end processing 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²), max. 2x (0.75 4 mm ²) - solid or stranded - finely stranded with core end processing 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²), max. 2x (0.75 4 mm ²) - solid or stranded - finely stranded with core end processing 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) - solid or stranded - solid or stranded 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) - solid or stranded with core end processing 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) 2x (0.75 4 mm ²) - of auxiliary contacts 18 14 18 14 18 14 Safety related data 1000 000 1000 100 1000 100 product function -	type of connectable conductor cross-sections					
connectable conductor cross-section for auxiliary connectable conductor cross-sections solid or stranded •fnely stranded with core end processing • solid • solid or stranded • fnely stranded with core end processing • a solid or stranded • fnely stranded with core end processing • a tAWG cables for auxiliary contacts • protection contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to IEC 60947- 5-1 B10 value with high demand rate according to IEC 60529 suitability for use • safety-related switching OFF		2/0 500 kcmil				
connectable conductor cross-section for auxiliary connectable conductor cross-sections solid or stranded •fnely stranded with core end processing • solid • solid or stranded • fnely stranded with core end processing • a solid or stranded • fnely stranded with core end processing • a tAWG cables for auxiliary contacts • protection contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to IEC 60947- 5-1 B10 value with high demand rate according to IEC 60529 suitability for use • safety-related switching OFF						
connectable conductor cross-section for auxiliary contacts 0.5 4 mm² • solid or stranded • finely stranded with core end processing 0.5 4 mm² • solid or stranded • for auxiliary contacts 0.5 2.5 mm²), max. 2x (0.75 4 mm²) - solid or stranded • finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) - finely stranded with core end processing • at AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) AWG number as coded connectable conductor cross section • for auxiliary contacts 18 14 Safety related data 74 product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947- 5-1 Yes B10 value with high demand rate according to IEC 60947- 5-1 1000 000 protection class IP on the front according to IEC 60529 1000 000 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover safety-related switching OFF Yes Certificates/ approvals Confirmation Centificates/ approvals Confirmation Centificates/ approvals Confirmation						
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type of connectable conductor cross-sections • for auxiliary contacts - solid - solid and the stranded - finely stranded with core end processing • at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts • for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts • for auxiliary contacts at AWG rumber as coded connectable conductor cross section • for auxiliary contacts • for auxiliary contacts at at WG rumber as coded connectable conductor cross section • for auxiliary contacts 18 14 Safety related data product function • miror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to IEC 60947-5-1 Protection on the front according to IEC 60529 suitability for use • safety-related switching OFF Yes Centificates/ approvals General Product Approval Image: Safety related product Approval	 solid or stranded 	0.5 4 mm²				
 for auxiliary contacts solid solid or stranded finely stranded with core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for auxiliary contacts at average and the section of the section of the section class IP on the front according to IEC 60947-4-1 product function mirror contact according to IEC 60947-4-1 protection class IP on the front according to IEC 60947-5-1 protection class IP on the front according to IEC 60947-5-1 protection class IP on the front according to IEC 60529 suitability for use 	 finely stranded with core end processing 	0.5 2.5 mm²				
 for auxiliary contacts solid solid or stranded finely stranded with core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for auxiliary contacts at average and the section of the section of the section class IP on the front according to IEC 60947-4-1 product function mirror contact according to IEC 60947-4-1 protection class IP on the front according to IEC 60947-5-1 protection class IP on the front according to IEC 60947-5-1 protection class IP on the front according to IEC 60529 suitability for use 	type of connectable conductor cross-sections					
 - solid - solid or stranded - solid or stranded - finely stranded with core end processing - finely stranded with core end processing - at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section - for auxiliary contacts - for auxiliary						
 - solid or stranded - finely stranded with core end processing		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)				
 - finely stranded with core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section 	— solid or stranded					
• at AWG cables for auxiliary contacts 2x (20 16), 2x (18 14), 1x 12 AWG number as coded connectable conductor cross section • for auxiliary contacts 18 14 • for auxiliary contacts 18 14 Safety related data product function • mirror contact according to IEC 60947-4-1 Yes • positively driven operation according to IEC 60947- 5-1 Yes B10 value with high demand rate according to SN 31920 1 000 000 protection class IP on the front according to IEC 60529 IP00; IP20 with box terminal/cover suitability for use • safety-related switching OFF • safety-related switching OFF Yes Confirmation Confirmation Confirmation Confirmation	— finely stranded with core end processing					
AWG number as coded connectable conductor cross section for auxiliary contacts for auxiliary contacts intervention mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 protection class IP on the front according to IEC 60529 protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover safety-related switching OFF yes Cortificates/ approvals						
section • for auxiliary contacts 18 14 Safety related data						
Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 suitability for use • safety-related switching OFF Yes Certificates/ approvals General Product Approval Confirmation Cccc Ves Current Product Approvals						
product function • mirror contact according to IEC 60947-4-1 Yes • positively driven operation according to IEC 60947- 5-1 Yes No B10 value with high demand rate according to SN 31920 1 000 000 IP00; IP20 with box terminal/cover gos29 touch protection on the front according to IEC 60529 IP00; IP20 with box terminal/cover suitability for use • safety-related switching OFF Yes Certificates/ approvals Yes Yes General Product Approval Confirmation KC Certificates/ confirmation Confirmation KC CC	 for auxiliary contacts 	18 14				
product function • mirror contact according to IEC 60947-4-1 Yes • positively driven operation according to IEC 60947- 5-1 Yes No B10 value with high demand rate according to SN 31920 1 000 000 IP00; IP20 with box terminal/cover gos29 touch protection on the front according to IEC 60529 IP00; IP20 with box terminal/cover suitability for use • safety-related switching OFF Yes Certificates/ approvals Yes Yes General Product Approval Confirmation KC Certificates/ confirmation Confirmation KC CC						
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 suitability for use safety-related switching OFF Ves Certificates/ approvals 						
	-	Yes				
5-1 5-1 B10 value with high demand rate according to SN 31920 1 000 000 protection class IP on the front according to IEC IP00; IP20 with box terminal/cover 60529 touch protection on the front according to IEC 60529 suitability for use e safety-related switching OFF • safety-related switching OFF Yes Certificates/ approvals General Product Approval KC Confirmation Cccc Up Up	-					
B10 value with high demand rate according to SN 31920 1 000 000 protection class IP on the front according to IEC IP00; IP20 with box terminal/cover touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover suitability for use • safety-related switching OFF Yes Certificates/ approvals Yes General Product Approval Confirmation Confirmation Confirmation						
protection class IP on the front according to IEC IP00; IP20 with box terminal/cover touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover suitability for use • safety-related switching OFF Yes Certificates/ approvals General Product Approval KC Confirmation Confirmation KC cccc Upon Upon		1 000 000				
60529 touch protection on the front according to IEC 60529 suitability for use • safety-related switching OFF Yes Certificates/ approvals General Product Approval KC Confirmation Cccc						
suitability for use • safety-related switching OFF Yes Certificates/ approvals General Product Approval Confirmation KC Confirmation CC USE						
suitability for use • safety-related switching OFF Yes Certificates/ approvals General Product Approval Confirmation KC Confirmation CC USE	touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover				
• safety-related switching OFF Yes Certificates/ approvals General Product Approval Confirmation Confirmation Confirmation Ccc						
Certificates/ approvals General Product Approval Confirmation Confirmation Confirmation Confirmation Confirmation Confirmation	-	Yes				
General Product Approval						
Confirmation Confi						
	Scheral Flouder Approval					
EMC Functional Declaration of Conformity Test Certificates	Confirmation CSA					

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	Safety/Safety of Machinery				
RCM	<u>Type Examination</u> <u>Certificate</u>	CE EG-Konf.	UK CA	<u>Special Test Certific-</u> <u>ate</u>	Type Test Certific- ates/Test Report
Marine / Shipping					other
ABS	Lloydis Register uxs	PRS	RMRS	DNV-GL DNV-GL	<u>Confirmation</u>
other			Railway		
<u>Miscellaneous</u>	<u>Confirmation</u>	<u>Miscellaneous</u>	<u>Special Test Certific-</u> <u>ate</u>		
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