3RT1065-6AP36-3PA0

Data sheet



power contactor, AC-3e/AC-3 265 A, 132 kW / 400 V AC (50-60 Hz) / DC Uc: 220-240 V 3-pole, auxiliary contacts 2 NO + 2 NC permanently mounted drive: conventional main circuit: busbar control and auxiliary circuit: screw terminal

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 	54 W
 at AC in hot operating state per pole 	18 W
 without load current share typical 	7.4 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 protective separation 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 (operating 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 maximum	95 %

ain circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
 at AC-3 rated value maximum 	1 000 V
• at AC-3e rated value maximum	1 000 V
operational current	
• 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 $^{\circ}\text{C}$ rated value	330 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	300 A
— up to 1000 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	150 A
— up to 1000 V at ambient temperature 60 $^{\circ}\text{C}$ 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
— at 1000 V rated value	95 A
• at AC-3e	
— at 400 V rated value	265 A
— at 500 V rated value	265 A
— at 690 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	219 A
• at AC-6a	
— 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	265 A
— up to 690 V for current peak value n=20 rated value	265 A
— 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	184 A
— up to 690 V for current peak value n=30 rated value	184 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	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
— at 60 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
	300 A
— at 60 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 60 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 60 V rated value	11 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 60 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	0.0171
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	300 A
	300 A
— at 220 V rated value	
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	400 1/4/
at AC-2 at 400 V rated value	132 kW
• at AC-3	75.114
— 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 690 V rated value	250 kW
— at 1000 V rated value	132 kW
operating power for approx. 200000 operating cycles at AC-	
4	00 144
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
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	
Iimited to 1 s switching at zero current maximum	4 880 A; Use minimum cross-section acc. to AC-1 rated value
limited to 1 s switching at zero current maximum 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	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	220 240 V
at 60 Hz rated value	220 240 V
control supply voltage at DC	
rated value	220 240 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	1.1
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	650 W
holding power of magnet coil at DC	7.4 W
closing delay	30 95 ms
• at AC • at DC	30 95 ms 30 95 ms
opening delay	00 00 III0
• 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 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	1A
at 175 V rated value at 125 V rated value	0.9 A
at 125 V rated value at 220 V rated value	0.3 A
at 600 V rated value contact reliability of auxiliary contacts	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
contact rating of auxiliary contacts according to UL Short-circuit protection	A600 / Q600
	A600 / Q600
Short-circuit protection	A600 / Q600
Short-circuit protection design of the fuse link	GG: 500 A (690 V, 100 kA)
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)
Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit	
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) gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50
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	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)
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	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)
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	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
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	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
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	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
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	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
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	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
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	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 145 mm
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	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 145 mm
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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 — forwards — upwards — downwards — at the side	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 145 mm 202 mm
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 — forwards — upwards — downwards — at the side • for grounded parts	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 145 mm 202 mm 20 mm 10 mm 10 mm 10 mm
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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 — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • downwards — at the side — downwards — for live parts	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 145 mm 202 mm 10 mm 10 mm 10 mm 10 mm 10 mm
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 — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side — downwards — at the side — forwards — upwards — at the side — downwards — at the side — forwards	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 145 mm 202 mm 10 mm

type of electrical connection of or main current circuit of or auxiliary and control circuit at contactor for auxiliary contacts of magnet coil width of connection bar thickness of connection bar diameter of holes connectable conductor cross-section for main contacts of stranded of inely stranded with core end processing of finely stranded with core end processing of finely stranded with core end processing of for AWG cables for auxiliary contacts of or AWG cables for auxiliary contacts awG number as coded connectable conductor cross-section of or auxiliary contacts For auxiliary contacts of or auxiliary contacts of or auxiliary contacts of or auxiliary contacts of or auxiliary contacts auxil	— at the side	10 mm
• for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil • screw-type terminals • strew-type terminals • screw-type terminals • screw-	Connections/ Terminals	
of rauxiliary and control circuit at contactor for auxiliary contacts of magnet coil width of connection bar diameter of holes number of holes connectable conductor cross-section for main contacts • stranded connectable conductor cross-section for auxiliary contacts • stranded connectable conductor cross-section for auxiliary contacts • stranded connectable conductor cross-section for auxiliary contacts • solid or stranded vinity stranded with core end processing of or auxiliary contacts — solid or stranded — solid or strande	type of electrical connection	
• at contactor for auxiliary contacts • of magnet coil **of magnet coil **of magnet coil **of magnet coil **thickness of connection bar diameter of holes number of holes 11 mm number of holes connectable conductor cross-section for main contacts • stranded connectable conductor cross-section for auxiliary contacts • solid or stranded **finely stranded with core end processing **of auxiliary contacts - solid or stranded - solid or stranded - finely stranded with core end processing **of auxiliary contacts - solid - solid - solid or stranded - finely stranded with core end processing **of auxiliary contacts - solid - solid or stranded - finely stranded with core end processing **of auxiliary contacts - solid or stranded - finely stranded with core end processing **of auxiliary contacts - solid or stranded - finely stranded with core end processing **of or AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing **of or AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing **of or AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing **of or AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing **of or AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with c	• for main current circuit	Connection bar
width of connection bar thickness of connection bar diameter of holes number of holes 11 mm number of holes 25 mm 6 mm diameter of holes 11 mm number of holes 10 connectable conductor cross-section for main contacts • stranded 70 240 mm² Connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts - solid - solid or stranded - solid or stranded • finely stranded with core end processing • for auxiliary contacts - solid or stranded - solid or stranded - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • for aWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • for aWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • for aWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • for aWG cables for auxiliary contacts - solid or stranded - s	 for auxiliary and control circuit 	screw-type terminals
width of connection bar 25 mm thickness of connection bar 6 mm diameter of holes 11 mm number of holes 1 connectable conductor cross-section for main contacts * stranded * stranded 70 240 mm² connectable conductor cross-section for auxillary contacts * solid or stranded * solid or stranded of firely stranded with core end processing 0.5 4 mm² * or auxillary contacts 2 x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) * - solid 2 x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) * - solid or stranded 2 x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) * - solid or stranded 2 x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) * - finely stranded with core end processing 2 x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) * of or AWG cables for auxiliary contacts 18 14 AWG number as coded connectable conductor cross section 18 14 * a for auxiliary contacts 18 14 * Safety related data Yes * positively driven operation according to IEC 60947-5-1 No B10 value with high demand rate according to IEC 60947-5-1 No B10 value with high demand rate according to IEC 60529 1000 000 * 1 value f	 at contactor for auxiliary contacts 	Screw-type terminals
thickness of connection bar diameter of holes number of holes 1 1 mm number of holes connectable conductor cross-section for main contacts • stranded solid or stranded • finely stranded vith core end processing • for auxiliary contacts - solid or stranded - solid or stranded • finely stranded vith core end processing • for auxiliary contacts - solid - solid or stranded - finely stranded vith core end processing • for auxiliary contacts - solid - solid or stranded - finely stranded vith core end processing • for AWG cables for auxiliary contacts 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 (20 1.5 mm²), 2x (0.75 2.5 mm²) • for 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 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 No B10 value with high demand rate according to IEC 60947-5-1 No B10 value with high demand rate according to IEC 60947-5-1 Protection class IP on the front according to IEC 60529 protection class IP on the front according to IEC 60529 suitability for use • safety-related switching on • safety-related switching OFF Yes	of magnet coil	Screw-type terminals
diameter of holes number of holes 1 connectable conductor cross-section for main contacts • stranded connectable conductor cross-section for auxiliary contacts • solid or stranded of inely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross-section • for auxiliary contacts AWG number as coded connectable conductor cross-section • for auxiliary contacts 18 14 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 IEC 60947-5-1 No 1000 000 T1 value for proof test interval or service life according to IEC 60529 protection class IP 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	width of connection bar	25 mm
number of holes connectable conductor cross-section for main contacts	thickness of connection bar	6 mm
connectable conductor cross-section for main contacts	diameter of holes	11 mm
stranded 70 240 mm² connectable conductor cross-section for auxiliary contacts solid or stranded	number of holes	1
connectable conductor cross-section for auxiliary contacts	connectable conductor cross-section for main contacts	
• solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid — solid or stranded — solid or stranded — solid or stranded — finely stranded with core end processing — finely stranded with core end processing — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts ***Product function** *** product function** *** positively driven operation according to IEC 60947-5-1 **Province of test interval or service life according to IEC 60529 **protection class IP on the front according to IEC 60529 **protection class IP on the front according to IEC 60529 **safety-related switching on safety-related switching OFF** **Yes** *** safety-related switching OFF** *** safety-related switching OFF** *** safety-related switching OFF** *** positively driven operation according to IEC 60529 *** province of test interval or service life according to IEC 60529 *** province of test interval or service life according to IEC 60529 *** province of test interval or service life according to IEC 60529 *** province of test interval or service life according to IEC 60529 *** province of test interval or service life according to IEC 60529 *** province of test interval or service life according to IEC 60529 *** province of test interval or service life according to IEC 60529 *** province of test interval or service life according to IEC 60529 *** province of test interval or service life according to IEC 60529 *** province of test interval or service life according to IEC 60529 *** province of t	stranded	70 240 mm²
• finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid — solid or stranded — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts 18 14 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 IEC 60947-5-1 No B10 value with high demand rate according to IEC 60529 protection class IP on the front according to IEC 60529 protection on the front according to IEC 60529 suitability for use • safety-related switching on • safety-related switching OFF Yes	connectable conductor cross-section for auxiliary contacts	
type of connectable conductor cross-sections • for auxiliary contacts — solid — solid 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts 18 14 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 IEC 60529 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 Yes Yes • safety-related switching OFF Yes	 solid or stranded 	0.5 4 mm²
• for auxiliary contacts - solid - solid - solid or stranded - finely stranded with core end processing - for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section - for auxiliary contacts 18 14 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 IEC 60947-5-1 T1 value for proof test interval or service life according to IEC 60529 touch protection on the front according to IEC 60529 suitability for use - safety-related switching OFF • for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2,5 mm²), max. 2x (0,75 4 mm²) 2x (20 16), 2x (18 14), 1x 12 4x (18 14), 1x 12 4x (20 16), 2x (18	finely stranded with core end processing	0.5 2.5 mm²
- solid 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) - solid or stranded 2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²), max. 2x (0.75 4 mm²) - finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) - for 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 Safety related data product function - mirror contact according to IEC 60947-4-1 Yes - positively driven operation according to IEC 60947-5-1 No B10 value with high demand rate according to IEC 60947-5-1 No B10 value with high demand rate according to IEC 60529 IP00; IP20 with box terminal/cover touch protection on the front according to IEC 60529 touch protection on the front according to IEC 60529 suitability for use - safety-related switching on - safety-related switching OFF Yes	type of connectable conductor cross-sections	
solid or stranded finely stranded with core end processing for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for auxiliary contacts for auxi	 for auxiliary contacts 	
- finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts 18 14 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 IEC 60947-5-1 No B10 value for proof test interval or service life according to IEC 60529 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 on • safety-related switching OFF Yes Yes Yes Yes	— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
For AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section	— solid or stranded	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 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 T1 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 protection on the front according to IEC 60529 suitability for use • safety-related switching on • safety-related switching OFF Yes	 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
e for auxiliary contacts 18 14 Safety related data product function e 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 1 000 000 T1 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 suitability for use e safety-related switching on e safety-related switching OFF Yes	for AWG cables for auxiliary contacts	2x (20 16), 2x (18 14), 1x 12
product function In mirror contact according to IEC 60947-4-1 In positively driven operation according to IEC 60947-5-1 In positive driven according to IEC 60947-5-1 In positive driven according to IEC 60947-5-1		
product function	for auxiliary contacts	18 14
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 No B10 value with high demand rate according to SN 31920 1 000 000 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 suitability for use	Safety related data	
positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 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 on safety-related switching OFF No 1 000 000 1 000 000 1 000 000 1 000 000	product function	
B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 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 on • safety-related switching OFF 1000 000 1000	 mirror contact according to IEC 60947-4-1 	Yes
T1 value for proof test interval or service life according to IEC 61508 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 on • safety-related switching OFF 20 a IP00; IP20 with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover Yes Yes	 positively driven operation according to IEC 60947-5-1 	No
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 on • safety-related switching OFF P00; IP20 with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover Yes Yes	B10 value with high demand rate according to SN 31920	1 000 000
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 on • safety-related switching OFF Yes		20 a
suitability for use • safety-related switching on • safety-related switching OFF Yes Yes	protection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover
 safety-related switching on safety-related switching OFF Yes Yes 	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	suitability for use	
, -	 safety-related switching on 	Yes
		Yes

Certificates/ approvals

General Product Approval





Confirmation



<u>KC</u>



EMC

Functional Safety/Safety of Machinery

Declaration of Conformity

Test Certificates



Type Examination Certificate



CE EG-Konf. Special Test Certificate

Type Test Certificates/Test Report

Test Certificates

Marine / Shipping

Miscellaneous











other Railway

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

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RT1065-6AP36-3PA0

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT1065-6AP36-3PA0}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-6AP36-3PA0

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

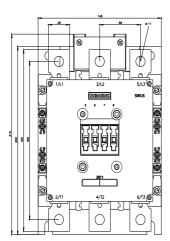
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1065-6AP36-3PA0&lang=en

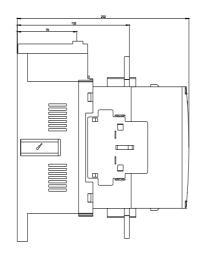
Characteristic: Tripping characteristics, I2t, Let-through current

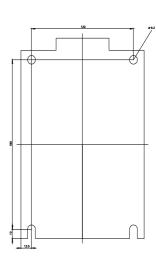
https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-6AP36-3PA0/char

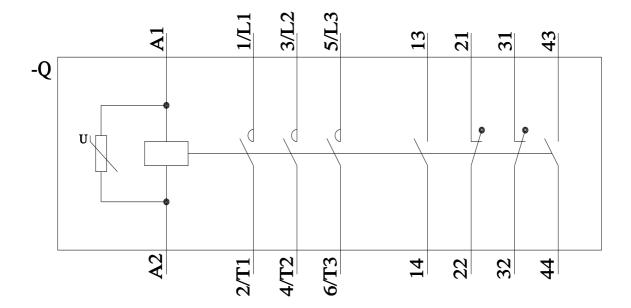
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1065-6AP36-3PA0&objecttype=14&gridview=view1









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