SIEMENS

Data sheet 3RT1065-6AF36



Power contactor, AC-3 265 A, 132 kW / 400 V AC (50-60 Hz) / DC operation 110-127 V UC Auxiliary contacts 2 NO + 2 NC 3-pole, Size S10 Busbar connections Drive: conventional screw terminal

product type designation product type designation General technical data size of contactor product extension • function module for communication • auxiliary switch power loss [W] for rated value of the current at AC in hot operating state • per pole power loss [W] for rated value of the current without load current share typical surge voltage resistance • of main circuit rated value • of auxiliary circuit rated value maximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1 shock resistance at rectangular impulse • at AC • at DC Power contactor RT1 RT2 SHO NO NO 74 W 7.4 W 7.4 W 8 kV 6 kV 6 kV 690 V 690 V 8.5g / 5 ms, 4,2g / 10 ms 8,5g / 5 ms, 4,2g / 10 ms	
size of contactor product extension • function module for communication • auxiliary switch power loss [W] for rated value of the current at AC in hot operating state • per pole power loss [W] for rated value of the current without load current share typical surge voltage resistance • of main circuit rated value • of auxiliary circuit rated value of auxiliary circuit rated value surge voltage resistance • of main circuit rated value of auxiliary circuit rated value surge voltage for safe isolation between coil and main contacts acc. to EN 60947-1 shock resistance at rectangular impulse • at AC shock resistance at shock resistance \$ \$10 No No No \$ \$4 W 7.4 W 7.4 W 6 kV 6 kV 6 kV 690 V	
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 auxiliary switch power loss [W] for rated value of the current at AC in hot operating state per pole power loss [W] for rated value of the current without load current share typical surge voltage resistance of main circuit rated value of auxiliary circuit rated value maximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1 shock resistance at rectangular impulse at AC yes 4 W 7.4 W 6 kV 690 V 8,5g / 5 ms, 4,2g / 10 ms 	
power loss [W] for rated value of the current at AC in hot operating state • per pole power loss [W] for rated value of the current without load current share typical surge voltage resistance • of main circuit rated value • of auxiliary circuit rated value maximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1 shock resistance at rectangular impulse • at AC • at AC 54 W 7.4 W 65 W 690 V 690 V 690 V	
operating state • per pole power loss [W] for rated value of the current without load current share typical surge voltage resistance • of main circuit rated value • of auxiliary circuit rated value maximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1 shock resistance at rectangular impulse • at AC • at W 7.4 W 6 kV 6 kV 690 V 690 V	
power loss [W] for rated value of the current without load current share typical surge voltage resistance of main circuit rated value of auxiliary circuit rated value maximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1 shock resistance at rectangular impulse of at AC at AC 7.4 W 6 kV 690 V 690 V	
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of auxiliary circuit rated value 6 kV maximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1 shock resistance at rectangular impulse at AC 8,5g / 5 ms, 4,2g / 10 ms	
maximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1 shock resistance at rectangular impulse • at AC 8,5g / 5 ms, 4,2g / 10 ms	
shock resistance at rectangular impulse • at AC 8,5g / 5 ms, 4,2g / 10 ms	
• 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 	
 of the contactor with added auxiliary switch block typical 10 000 000 	
reference code acc. to IEC 81346-2 Q	
Substance Prohibitance (Date) 01.05.2012 00:00:00	
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	
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
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
— 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 value	95 A
• at AC-6a	404 A
— 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
value — up to 1000 V for current peak value n=30 rated — up to 1000 V for current peak value n=30 rated	95 A
value 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	447.0
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 sated value.	200 A
— 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	200 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	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
operational current	
 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 	U.U. A
·	200 A
— at 24 V rated value — at 110 V rated value	300 A 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
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	TOZ KW
• up to 230 V for current peak value n=20 rated value	100 000 kV·A
 up to 400 V for current peak value n=20 rated value 	180 000 V·A
	220 000 V·A
 up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value 	310 000 V·A
·	
 up to 1000 V for current peak value n=20 rated value 	160 000 V·A
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	70 000 V·A
• up to 400 V for current peak value n=30 rated value	120 000 V·A
 up to 500 V for current peak value n=30 rated value 	150 000 V A
 up to 690 V for current peak value n=30 rated value 	220 000 V A
 up to 1000 V for current peak value n=30 rated up to 1000 V for current peak value n=30 rated 	160 000 V A
value	100 000 V A
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 7 s switching at zero current maximum	4 045 A; Use minimum cross-section acc. to AC-1 rated value
limited to 3 switching at zero current maximum limited to 10 s switching at zero current maximum	2 785 A; Use minimum cross-section acc. to AC-1 rated value
limited to 10's switching at zero current maximum limited to 30 s switching at zero current maximum	1 664 A; Use minimum cross-section acc. to AC-1 rated value
limited to 50 s switching at zero current maximum 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	1 270 A, 030 Millimitum 0.035-360tion acc. to AC-1 fateu 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-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	110 127 V
at 60 Hz rated value	110 127 V
control supply voltage at DC	
rated value	110 127 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 V·A
● at 60 Hz	590 V·A
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 V·A
● at 60 Hz	6.7 V·A
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	
• 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 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

* all 49 Yrated value		
	 at 48 V rated value 	6 A
e 11 125 V rated value	 at 60 V rated value 	6 A
	 at 110 V rated value 	3 A
• at 600 V rated value operational current at DC-13 • at 24 V rated value • at 60 V rated value • for rounded parts • for wards • at 60 V rated value • for rounded parts • for wards • at 60 V rated value • for rounded • for ro	at 125 V rated value	2 A
Operational current at DC-13	at 220 V rated value	1 A
earl 24 V rated value	at 600 V rated value	0.15 A
earl 24 V rated value	operational current at DC-13	
• at 48 V rated value • at 60 V rated value • at 105 V rated value • at 125 V rated value • at 226 V rated value • at 226 V rated value • at 226 V rated value • at 260 V rated value •	•	10 A
• at 110 V rated value • at 125 V rated value • at 220 V rated value • at 200 V rated value • at 300 V rated value • at 300 V rated value • at 300 V rated value • at 400 V rated value • at 500 V rated value • at 200/208 V rated value • at 200/208 V rated value • at 200/208 V rated value • at 460/40 V rated value • at 75/600 V rated value • for short-circuit protection of the main circuit • with type of coordination 1 required • with type of coordination 1 required • for short-circuit protection of the auxiliary switch		
• at 125 V rated value • at 220 V rated value • at 480 V rated value • at 200228 V rated value • at 200228 V rated value • at 220230 V rated value • at 220230 V rated value • at 220230 V rated value • at 260480 V rated value • at 260480 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 860480 V rated value • at 860480 V rated value • at 860480 V rated value • at 875/600 V rated value • at 860480 V rated value • with type of coordination 1 required • 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 • with side-by-side mounting fastening method • side-by-side mounting • with side-by-side mounti		
• at 220 V rated value		
• at 800 V rated value contact reliability of auxiliary contacts full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 800 V rated value • at 200208 V rated value • at 200200 V rated value • at 270230 V rated value • at 270230 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 875/600 V rated value • at 875/600 V rated value • at 900 hp • at 575/600 V rated value • ontact 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 — with type of assignment 2 required — with type of sasignment 2 required — with type of sasignment 2 required * for short-circuit protection of the auxiliary switch required nestalization mounting (idinensions mounting position surface +2.2.5" till table to the front and back screw fixing * side-by-side mounting - forwards - upwards - downwards - at the side - of orgrounded parts - forwards - at the side - of orgrounded parts - forwards - at the side - downwards - of the side - downwards - of the side - forwards - owards		
Taulty switching per 100 million (17 V, 1 mA)		
Full-lad current (FLA) for 3-phase AC motor		
full-load current (FLA) for 3-phase AC motor at 480 V rated value 240 A 242 A yielded mechanical performance [hp] of r3-phase AC motor — at 200/208 V rated value — at 2200/208 V rated value — at 2200/208 V rated value — at 260/808 V rated value — at 675/600 V rated value — with type of coordination 1 required — with type of assignment 2 required soft required Installation mounting/ dimensions mounting position fastening method side-by-side mounting of with side-by-side mounting — forwards — upwards — at the side — odwnwards — at the side — odwnwards — of rowards — of wards — of wa		r laulty switching per 100 million (17 V, 1 mA)
• at 480 V rated value 242 A 242 A 24	-	
• at 600 V rated value 242 A		
yielded mechanical performance [hp] • for 3-phase AC motor — at 200/230 V rated value	 at 480 V rated value 	240 A
• 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 460/480 V rated value — at 575/600 V rated value — 250 hp contact rating of auxilliary 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 — with type of assignment 2 required — with type of sasignment 2 required — for short-circuit protection of the auxiliary switch required — with type of sasignment 2 required — with type of assignment 2 required — with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back screw fixing fastening method • side-by-side mounting — side-by-side mounting — with side-by-side mounting — forwards — upwards — domwwards — 10 mm — at the side — downwards — 10 mm — at the side — downwards — to rowards — upwards — to rowards — to rowards — to mm — at the side — downwards — for live parts — forwards — upwards — forwards — downwards — of mm — of ownwards — of orwards — upwards — forwards — downwards — to mm — of ownwards — own		242 A
- at 200/208 V rated value	yielded mechanical performance [hp]	
- at 220/230 V rated value - at 480/480 V rated value 200 hp 250	 for 3-phase AC motor 	
- at 460/480 V rated value 250 hp 250		75 hp
- 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 with the depth 200 mm required spacing • with side-by-side mounting - forwards - upwards - the side • for grounded parts - forwards - upwards - at the side - downwards - forwards - upwards - downwards - forwards - upwards - forwards - downwards - forwards - upwards - forwards - upwards - downwards - forwards - upwards - forwards - forwards - upwards - upwards - forwards - upwards - downwards 10 mm - for live parts - forwards - upwards	 at 220/230 V rated value 	100 hp
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — 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 of crack of crac	 at 460/480 V rated value 	200 hp
Short-circuit protection design of the fuse link	— at 575/600 V rated value	250 hp
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 with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method • side-by-side mounting installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method • side-by-side mounting installation/ mounting installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back screw fixing Yes height 210 mm width 145 mm depth 202 mm required spacing • with side-by-side mounting — forwards — upwards — downwards 10 mm • for grounded parts — forwards — upwards — upwards — downwards 10 mm • for live parts — forwards — opwards — upwards — upwards — upwards — upwards — upwards — upwards — ownwards 10 mm 10 mm	contact rating of auxiliary contacts according to UL	A600 / Q600
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 with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method • side-by-side mounting installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method • side-by-side mounting installation/ mounting installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back screw fixing Yes height 210 mm width 145 mm depth 202 mm required spacing • with side-by-side mounting — forwards — upwards — downwards 10 mm • for grounded parts — forwards — upwards — upwards — downwards 10 mm • for live parts — forwards — opwards — upwards — upwards — upwards — upwards — upwards — upwards — ownwards 10 mm 10 mm	Short-circuit protection	
• 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 • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required spacing • with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back • side-by-side mounting • side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • of orwards — downwards 10 mm • for grounded parts — forwards — upwards — upwards — upwards — upwards — ownwards 10 mm • for grounded parts — forwards — at the side — downwards 10 mm • for live parts — forwards — ownwards 10 mm • for live parts — forwards — upwards — upwards — upwards — upwards — ownwards 10 mm		
- with type of coordination 1 required - with type of assignment 2 required - with type of assignment 2 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 social column soci	_	
with type of assignment 2 required of or short-circuit protection of the auxiliary switch required of or short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing of side-by-side mounting of side-by-side mounting of with side-by-side mounting of with side-by-side mounting of orwards of upwards of or grounded parts of or grounded parts of or grounded parts of or ilve parts of or live parts of orwards of or ilve parts of orwards of orwards of orwards of or ilve parts of orwards of orw		gG: 500 A (690 V 100 kA)
• for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical m		, , , , , , , , , , , , , , , , , , , ,
Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing screw fixing Yes height 210 mm width 145 mm depth 202 mm required spacing with side-by-side mounting forwards 20 mm upwards 10 mm of or grounded parts for grounded parts forwards 20 mm for grounded parts forwards 20 mm for grounded parts forwards 10 mm of or grounded parts forwards 20 mm forwards 20 mm for grounded parts forwards 20 mm of or grounded parts forwards 20 mm upwards 10 mm of or grounded parts forwards 20 mm upwards 10 mm of or live parts for live parts forwards 20 mm of or live parts forwards 10 mm of or live parts forwards 20 mm upwards 10 mm of or live parts forwards 10 mm of ownwards 10 mm	man type or accignment a required	
mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back fastening method side-by-side mounting yes height 210 mm width 145 mm depth 202 mm required spacing 0 with side-by-side mounting - forwards 20 mm - upwards 10 mm - downwards 10 mm - at the side 0 mm • for grounded parts 20 mm - upwards 10 mm - at the side 10 mm - downwards 10 mm • for live parts 20 mm - forwards 20 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm		gG: 10 A (500 V, 1 kA)
surface +/- 22.5° tiltable to the front and back screw fixing ● side-by-side mounting height width depth required spacing ● with side-by-side mounting — forwards — upwards — downwards — at the side — of rorwards — upwards — upwards — to rorwards — of rorwards — of rorwards — the side — of mm ● for grounded parts — forwards — at the side — at the side — downwards — at the side — of ownwards — at the side — downwards — at the side — downwards — of live parts — forwards — upwards — upwards — upwards — upwards — of live parts — forwards — upwards — upward	Installation/ mounting/ dimensions	
surface +/- 22.5° tiltable to the front and back screw fixing ● side-by-side mounting height width depth required spacing ● with side-by-side mounting — forwards — upwards — downwards — at the side — of rorwards — upwards — upwards — to rorwards — of rorwards — of rorwards — the side — of mm ● for grounded parts — forwards — at the side — at the side — downwards — at the side — of ownwards — at the side — downwards — at the side — downwards — of live parts — forwards — upwards — upwards — upwards — upwards — of live parts — forwards — upwards — upward	mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting
e side-by-side mounting height width depth required spacing ● with side-by-side mounting — forwards — upwards — downwards — at the side — of or grounded parts — forwards — upwards — at the side — of prounded parts — forwards — at the side — of or grounded parts — forwards — at the side — of mm — at the side — odwnwards — of the side — odwnwards — at the side — downwards — of mm — downwards — of mm — of m		
height 210 mm width 145 mm depth 202 mm required spacing ** • with side-by-side mounting 20 mm — forwards 20 mm — upwards 10 mm — at the side 0 mm • for grounded parts 20 mm — upwards 10 mm — at the side 10 mm — downwards 10 mm • for live parts 20 mm — upwards 20 mm — upwards 10 mm — downwards 10 mm — downwards 10 mm	fastening method	screw fixing
width 145 mm depth 202 mm required spacing 0 mm with side-by-side mounting 20 mm — forwards 10 mm — upwards 10 mm — at the side 0 mm • for grounded parts 20 mm — forwards 20 mm — upwards 10 mm • for live parts 20 mm — forwards 20 mm — upwards 10 mm — downwards 10 mm — downwards 10 mm — downwards 10 mm	 side-by-side mounting 	Yes
depth 202 mm required spacing • with side-by-side mounting — forwards 20 mm — upwards 10 mm — downwards 10 mm • for grounded parts 20 mm — forwards 20 mm — upwards 10 mm — downwards 10 mm • for live parts 20 mm — upwards 10 mm — downwards 10 mm — downwards 10 mm — downwards 10 mm	height	210 mm
required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards — at the side 10 mm 20 mm • for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — upwards — upwards — downwards • for live parts — forwards — upwards — upwards — upwards — upwards — upwards — downwards 10 mm • for live parts — forwards — upwards — upwards — upwards — upwards — downwards 10 mm	width	145 mm
 with side-by-side mounting forwards upwards downwards at the side for grounded parts for grounded parts upwards upwards at the side 0 mm 0 mm 10 mm at the side downwards for live parts forwards upwards 10 mm ofor live parts upwards upwards 0 mm downwards 10 mm 	depth	202 mm
 with side-by-side mounting forwards upwards downwards at the side for grounded parts for grounded parts upwards upwards at the side 0 mm 0 mm 10 mm at the side downwards for live parts forwards upwards 10 mm ofor live parts upwards upwards 0 mm downwards 10 mm 	required spacing	
— forwards 20 mm — upwards 10 mm — downwards 10 mm — at the side 0 mm — forwards 20 mm — upwards 10 mm — at the side 10 mm — downwards 10 mm ● for live parts 20 mm — upwards 20 mm — upwards 10 mm — downwards 10 mm	with side-by-side mounting	
 — downwards — at the side ● for grounded parts — forwards — upwards — at the side — at the side — downwards ● for live parts — forwards — upwards — upwards — downwards — forwards — downwards — upwards — downwards — to mm 		20 mm
 — downwards — at the side ● for grounded parts — forwards — upwards — at the side — at the side — downwards ● for live parts — forwards — upwards — upwards — downwards — forwards — downwards — upwards — downwards — to mm 	— upwards	10 mm
 — at the side ● for grounded parts — forwards — upwards — at the side — at the side — downwards ● for live parts — forwards — upwards — upwards — downwards 10 mm — upwards — downwards 10 mm 	•	10 mm
 for grounded parts forwards upwards at the side downwards for live parts forwards upwards downwards 10 mm for live parts downwards upwards downwards 10 mm 		0 mm
— forwards 20 mm — upwards 10 mm — at the side 10 mm — downwards 10 mm • for live parts — forwards 20 mm — upwards 20 mm — upwards 10 mm — downwards 10 mm	for grounded parts	
 — upwards — at the side — downwards • for live parts — forwards — upwards — upwards — downwards 10 mm 10 mm 		20 mm
 — at the side — downwards • for live parts — forwards — upwards — downwards — downwards 10 mm — mm<td></td><td></td>		
 — downwards ● for live parts — forwards — upwards — downwards 10 mm 10 mm 10 mm 	•	
 for live parts forwards upwards downwards 10 mm mm 		
 forwards upwards downwards 20 mm 10 mm 10 mm 		
upwardsdownwards10 mm10 mm		20 mm
— downwards 10 mm		
	•	
— at the side		
	— at the side	10 111111

Connections/ Terminals	
width of connection bar	25 mm
thickness of connection bar	6 mm
diameter of holes	11 mm
number of holes	1
type of electrical connection	
 for main current circuit 	Connection bar
 for auxiliary and control circuit 	screw-type terminals
 at contactor for auxiliary contacts 	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections	
at AWG cables for main contacts	2/0 500 kcmil
connectable conductor cross-section for main contacts	
• stranded	70 240 mm²
connectable conductor cross-section for auxiliary contacts	
 solid or stranded 	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	
 for auxiliary contacts 	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
— 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)
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
Safety related data	
product function mirror contact acc. to IEC 60947-4-1	Yes
B10 value with high demand rate acc. to SN 31920	1 000 000
product function positively driven operation acc. to IEC 60947-5-1	No
protection class IP on the front acc. to IEC 60529	IP00; IP20 with box terminal/cover
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover
suitability for use	
 safety-related switching on 	Yes
 safety-related switching OFF 	Yes
Certificates/ approvals	

General Product Approval









<u>KC</u>





Declaration of Conformity

Test Certificates

Marine / Shipping

Miscellaneous



Special Test Certificate

Type Test Certificates/Test Report

Miscellaneous



Marine / Shipping

other





<u>Confirmation</u> <u>Miscellaneous</u> <u>Miscellaneous</u> <u>Confirmation</u>

Railway

Special Test Certificate

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=3RT1065-6AF36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1065-6AF36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-6AF36

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

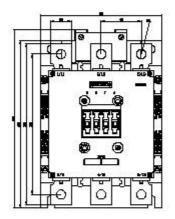
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1065-6AF36&lang=en

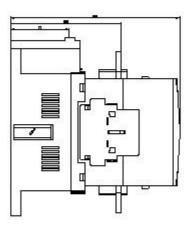
Characteristic: Tripping characteristics, I2t, Let-through current

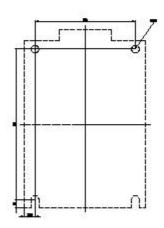
https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-6AF36/char

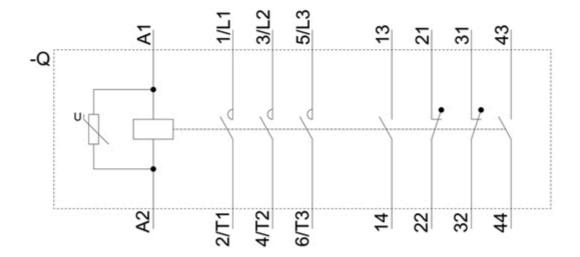
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1065-6AF36&objecttype=14&gridview=view1









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