3RT1065-6NP36-3PA0

# **Data sheet**



power contactor, AC-3e/AC-3 265 A, 132 kW / 400 V AC (50-60 Hz) / DC Uc: 200-277 V PLC input 24 V DC 3-pole, auxiliary contacts 2 NO + 2 NC permanently mounted drive: electronic 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	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	54 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	18 W
<ul> <li>without load current share typical</li> </ul>	3.4 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	1 000 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	500 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	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
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	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	
<ul> <li>during operation</li> </ul>	-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				
<ul> <li>at AC-3 rated value maximum</li> </ul>	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
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— 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	0.12077
— 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	000 4
— 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	1.4 A
— at 600 V rated value	0.75 A
operating power	
at AC-2 at 400 V rated value	132 kW
• at AC-3	
— at 230 V rated value	75 kW
— at 400 V rated value	132 kW
— at 500 V rated value	160 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	132 kW
• at AC-3e	
— at 230 V rated value	75 kW
— at 400 V rated value	132 kW
— at 500 V rated value	160 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	132 kW
operating power for approx. 200000 operating cycles at AC-	
4	00.1111
at 400 V rated value	66 kW
at 690 V rated value	102 kW
operating apparent power at AC-6a	400 000 11/4
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	100 000 kVA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	180 000 VA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	220 000 VA
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	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	
Ilmited to 1 s switching at zero current maximum	4 880 A; Use minimum cross-section acc. to AC-1 rated value
limited to 5 s switching at zero current maximum	4 045 A; Use minimum cross-section acc. to AC-1 rated value
limited to 10 s switching at zero current maximum	2 785 A: Use minimum cross-section acc. to AC-1 rated value
Ilmited to 10 s switching at zero current maximum     Ilmited to 30 s switching at zero current maximum	1 664 A; Use minimum cross-section acc. to AC-1 rated value
Ilmited to 50 s switching at zero current maximum     Ilmited 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, Ose millimum cross-section acc. to AC-1 fated value
• at AC	1 000 1/h
• at DC	1 000 1/h
operating frequency	1 000 1/11
• at AC-1 maximum	800 1/h
• at AC-1 maximum	250 1/h
at AC-2 maximum     at AC-3 maximum	500 1/h
at AC-3 maximum     at AC-3e maximum	500 1/h
at AC-3e maximum     at AC-4 maximum	130 1/h
	130 1/11
Control circuit/ Control	AO/DO
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	200 277.1/
at 50 Hz rated value	200 277 V
at 60 Hz rated value	200 277 V
control supply voltage at DC	000 0771/
rated value	200 277 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
type of PLC-control input according to IEC 60947-1	Type 2
consumed current at PLC-control input according to IEC 60947-1 maximum	20 mA
voltage at PLC-control input rated value	24 V
operating range factor of the voltage at PLC-control input	0.8 1.1
design of the surge suppressor	with varistor
apparent pick-up power of magnet coil at AC	
● at 50 Hz	530 VA
• at 60 Hz	530 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.8
• at 60 Hz	0.8
apparent holding power of magnet coil at AC	
• at 50 Hz	8.5 VA
• at 60 Hz	8.5 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.4
• at 60 Hz	0.4
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	2
contact	

operational current at AC-12 maximum operational current at AC-18  • at 230 V rated value • at 460 V rated value • at 500 V rated value • at 600 V rated value • at 600 V rated value • at 60 V rated value • at 600 V ra	number of NO contacts for auxiliant contacts in the transfer	2		
Operational current at AC-15	number of NO contacts for auxiliary contacts instantaneous contact	2		
• at 230 V rated value • at 400 V rated value • at 800 V rated value • at 80 V rated value • at 800 V rated value • a		10 A		
and 1500 V rated value	-	6 A		
• at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 80 V rated value • at 60 V rated value • at 125 V rated value • at 125 V rated value • at 126 V rated value • at 127 V rated value • at 128 V rated value • at 129 V rated value • at 129 V rated value • at 120 V rated value • at 120 V rated value • at 120 V rated value • at 220 V rated value • at 600 V rated value • at	at 400 V rated value			
Operational current at DC-12	at 500 V rated value	2 A		
at 24 V rated value	at 690 V rated value	1 A		
e at 48 V rated value	operational current at DC-12			
• at 60 V rated value	• at 24 V rated value	10 A		
• at 110 V rated value	• at 48 V rated value	6 A		
• at 125 V rated value • at 220 V rated value • at 800 V rated value • at 800 V rated value  operational current at DC-13 • at 24 V rated value • at 80 V rated value • at 110 V rated value • at 125 V rated value • at 120 V rated value • at 220 V rated value • at 220 V rated value • at 200 V rated value • at 800 V rated value • at 600 V rated value • at 480 V rated value • at 480 V rated value • at 480 V rated value • at 600 V rated value • at 200 Created value • at 600 V rated value • at 75 kp  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 coordination 1 required — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required  short-circuit protection of the auxiliary switch required  of short-circuit protection of the main circuit  with vertical mounting surface +/-90° rotatable, with vertical mounting surface  **2.2.5" tiltable to the front and back  screw fixing  screw fixing  to remain the fixed front and back  screw fixing  200 mm	• at 60 V rated value	6 A		
• at 220 V rated value	<ul> <li>at 110 V rated value</li> </ul>	3 A		
• at 600 V rated value	at 125 V rated value	2 A		
at 24 V rated value	at 220 V rated value	1 A		
at 24 V rated value		0.15 A		
	operational current at DC-13			
■ at 60 V rated value     ■ at 110 V rated value     ■ at 1220 V rated value     ■ at 1220 V rated value     ■ at 220 V rated value     ■ at 800 V rated value     ■ at 600 V rated value     ■ at 600 V rated value     ■ at 800 V rated value     ■ at 200/208 V rated value     — at 200/208 V rated value     — at 200/208 V rated value     — at 7576/600 V rated value     — at 460/480 V rated value     — at 7576/600 V rated value     — at 800 / Q600  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 assignment 2 required     — with type of coordination 1 required     — with type of assignment 2 required     — at 200 x (800 x (				
at 110 V rated value at 128 V rated value 0.9 A at 220 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA)  UL/GSA 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 — at 600 V rated value — at 220/230 V rated value — at 480/480 V rated value — at 480/480 V rated value — at 480/480 V rated value — at 575/600 V rated value — at 575/600 V rated value — at 600 V rated value  250 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link — with type of coordination 1 required — with type of coordination 1 required — with type of coordination 1 required — with type of assignment 2 required  sfor short-circuit protection of the auxiliary switch required  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back screw fixing  screw fixing  ves  height width 145 mm  depth				
at 125 V rated value at 220 V rated value at 600 V rated value 0.3 A 0.1 A contact reliability of auxiliary contacts  UL/GSA 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]  of or 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 240/480 V rated value — at 450/480 V rated value — at 575/600 V rated value — with type of coordination 1 required — with type of coordination 1 required — with type of assignment 2 required With yelf of saignment 2 required Accident of the auxiliary switch required Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface fastening method  e side-by-side mounting width 415 mm depth  ontact rating fauxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  1 faulty switching per 100 million (17 V, 1 mA)  1 faulty switching per 100 million (17 V, 1 mA)  1 faulty switching per 100 million (17 V, 1 mA)  1 faulty switching per 100 million (17 V, 1 mA)  1 faulty switching per 100 million (17 V, 1 mA)  2 40 A  2 42 A  2 42 A  2 42 A  2 42 A  2 5 for at 600 V rated value 2 2 50 hp  2 6 on 5 phase AC motor				
at 220 V rated value at 600 V rated value 0.1 A  contact reliability of auxiliary contacts  I 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 at 600 V rated value 240 A  steed with the contained 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 480/480 V rated value - at 480/480 V rated value - at 480/480 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 with type of sasignment 2 required gG: 500 A (690 V, 100 kA), am: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA)  for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)  installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back fastening method side-by-side mounting width 145 mm depth				
at 600 V rated value contact reliability of auxiliary contacts  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value for 3-phase AC motor				
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  • at 600 V rated value  242 A  yielded mechanical performance [hp]  • for 3-phase AC motor  — at 220/208 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 auxiliary contacts according to UL  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 2 required — with type of assignment 2 required  short-circuit protection of the auxiliary switch required  of or short-circuit protection of the auxiliary switch required  for short-circuit protection of the auxiliary switch required  of short-circuit protection of the auxiliary switch required  for short-circuit protection of the auxiliary switch required  of short-circuit protection of the auxiliary switch required  for short-circuit protection of the auxiliary switch required  of short-circuit protection of the auxiliary switch required  for short-circuit protection of the auxiliary switch required  of short-circuit protection of the auxiliary switch required  for short-circuit protection of the auxiliary switch required  of short-circuit protection of the auxiliary switch required  for short-circuit prot				
## Company of the fuse link   ## Or short-circuit protection of the main circuit   ## with type of assignment 2 required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the switch and shorts   ## of short-circuit protection of the switch and shorts   ## of short-circuit protection of the switch and shorts   ## of short-circuit protection of the switch and shorts   ## of short-circuit protection of the main circuit   ## with type of assignment 2 required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-circuit protection of the auxiliary switch required   ## of short-ci				
full-load current (FLA) for 3-phase AC motor  at 480 V rated value  at 600 V rated value  240 A  242 A  yielded mechanical performance [hp]  for 3-phase AC motor  — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 697/600 V rated value — at 697/600 V rated value — at 697/600 V rated value — at 75 hp  250 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link — 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  with vertical mounting surface +/-90° rotatable, with vertical mounting surface  fastening method  screw fixing  yes  height  210 mm  width  depth		riauty switching per 100 million (17 V, 1 mA)		
at 480 V rated value at 600 V rated value  242 A  yielded mechanical performance [hp]  of or 3-phase AC motor  — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value — at 575/600 V rated value 250 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link of or 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), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA)  of or short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA)  with type of assignment 2 required gG: 10 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA)  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 oside-by-side mounting yes height 210 mm width depth				
at 600 V rated value  yielded mechanical performance [hp]  of or 3-phase AC motor  — at 200/208 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value — 200 hp — at 575/600 V rated value — 250 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  of or 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  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  ves  height  vidth  145 mm  depth		240 A		
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 — 200 hp — contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit — with type of coordination 1 required gG: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA)  • for short-circuit protection of the auxiliary switch required gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back fastening method • side-by-side mounting • side-by-side mounting  yes  height 210 mm width depth				
for 3-phase AC motor         — at 200/208 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         — be for a suiliary contacts according to UL          A600 / Q600  Short-circuit protection  design of the fuse link         — with type of coordination 1 required         — 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         — 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         — yes  height  width  depth  200 mm		242 A		
- at 200/208 V rated value 75 hp - at 220/230 V rated value 100 hp - at 460/480 V rated value 200 hp - at 575/600 V rated value 250 hp  contact rating of auxiliary contacts according to UL A600 / Q600  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 500 A (690 V, 100 kA) - with type of assignment 2 required gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back  fastening method • side-by-side mounting • side-by-side mounting  width  depth  200 mm				
- at 220/230 V rated value - at 460/480 V rated value 200 hp - at 575/600 V rated value 250 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 9G: 500 A (690 V, 100 kA) - with type of assignment 2 required 9G: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface -/- 22.5' tiltable to the front and back  fastening method • side-by-side mounting  height  width 145 mm  depth 202 mm	·	75 ho		
- at 460/480 V rated value - at 575/600 V rated value 250 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 9G: 500 A (690 V, 100 kA)  - with type of assignment 2 required 9G: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA)  • for short-circuit protection of the auxiliary switch required 9G: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back  fastening method • side-by-side mounting • side-by-side mounting  width 145 mm  depth				
- 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  gG: 500 A (690 V, 100 kA)  — with type of assignment 2 required  sG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA)  • for short-circuit protection of the auxiliary switch required  gG: 400 A (690 V, 100 kA)  gG: 10 A (500 V, 1 kA)  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  • side-by-side mounting  height  width  145 mm  depth				
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  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, 5 kA)  • 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  • side-by-side mounting  Yes  height  210 mm  width  depth  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  • 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  height  210 mm  width  depth  202 mm		·		
<ul> <li>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         — for short-circuit protection of the auxiliary switch required         ☐ G: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 5 kA)         ☐ For short-circuit protection of the auxiliary switch required         ☐ G: 10 A (500 V, 1 kA)         ☐ Installation/ mounting/ dimensions         ☐ with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back         ☐ Screw fixing         ☐ Side-by-side mounting         ☐ Yes         ☐ Height         ☐ He</li></ul>				
- with type of coordination 1 required	design of the fuse link			
— 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  gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  fastening method  of side-by-side mounting  yes  height  210 mm  width  depth  202 mm	_			
• 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  height  yes  height  210 mm  width  145 mm  depth  202 mm	— with type of coordination 1 required	gG: 500 A (690 V, 100 kA)		
<ul> <li>for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back</li> <li>fastening method</li> <li>screw fixing</li> <li>yes</li> <li>height</li> <li>with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back</li> <li>screw fixing</li> <li>yes</li> <li>height</li> <li>width</li> <li>depth</li> <li>210 mm</li> <li>depth</li> <li>202 mm</li> </ul>	*	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50		
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  Yes  height  210 mm  width  depth  202 mm				
mounting position       with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back         fastening method       screw fixing         ◆ side-by-side mounting       Yes         height       210 mm         width       145 mm         depth       202 mm	· · · · · · · · · · · · · · · · · · ·	gG: 10 A (500 V, 1 kA)		
#/- 22.5° tiltable to the front and back  fastening method	· · · · · · · · · · · · · · · · · · ·	with resting populating surface of 000 and table with		
fastening methodscrew fixing◆ side-by-side mountingYesheight210 mmwidth145 mmdepth202 mm	mounting position			
● side-by-side mounting  height  210 mm  width  145 mm  depth  202 mm	fastening method			
height         210 mm           width         145 mm           depth         202 mm	-			
width         145 mm           depth         202 mm				
depth 202 mm				
required engeling		202 mm		
required spacifiy	required spacing			
• with side-by-side mounting	with side-by-side mounting			
— forwards 20 mm	— forwards	20 mm		
— upwards 10 mm	— upwards	10 mm		
— downwards 10 mm	— downwards	10 mm		
— at the side 0 mm	— at the side	0 mm		
• for grounded parts	• for grounded parts			
— forwards 20 mm	— forwards	20 mm		
— upwards 10 mm	— upwards	10 mm		
— at the side 10 mm				

dawawarda	40
— downwards	10 mm
• for live parts	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	Connection bar
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals
of magnet coil	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	70 240 mm²
connectable conductor cross-section for auxiliary contacts	
<ul> <li>solid or stranded</li> </ul>	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	
<ul> <li>for auxiliary contacts</li> </ul>	
— 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)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>for AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14), 1x 12
AWG number as coded connectable conductor cross section	
<ul> <li>for auxiliary contacts</li> </ul>	18 14
Safety related data	
product function	
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes
<ul> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	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	20 a
protection class IP on the front according to IEC 60529	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 on	No
safety-related switching OFF	Yes
Certificates/ approvals	
General Product Approval	



Confirmation





<u>KC</u>



Functional Safety/Safety of Ma-chinery EMC **Declaration of Conformity Test Certificates** 



Type Examination Cer-tificate





Type Test Certificates/Test Report

Special Test Certificate

Marine / Shipping other









<u>ate</u>





other		Railway	
<u>Confirmation</u>	<u>Miscellaneous</u>	Special Test Certific-	

#### **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=3RT1065-6NP36-3PA0

### Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1065-6NP36-3PA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-6NP36-3PA0

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

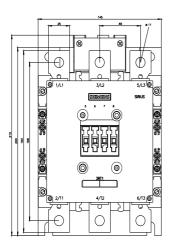
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1065-6NP36-3PA0&lang=en

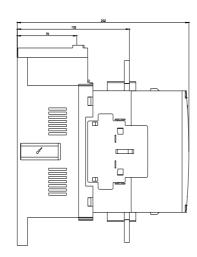
Characteristic: Tripping characteristics, I2t, Let-through current

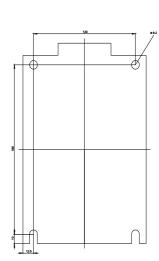
https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-6NP36-3PA0/char

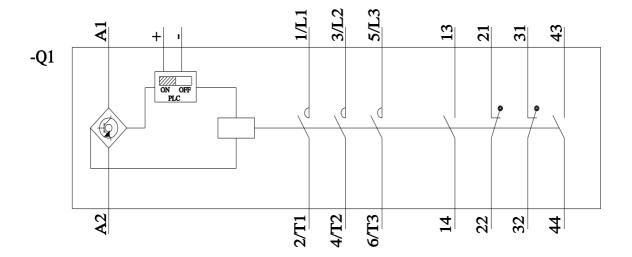
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1065-6NP36-3PA0&objecttype=14&gridview=view1









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