3RT1055-6AB36-3PA0

## **Data sheet**



power contactor, AC-3e/AC-3 150 A, 75 kW / 400 V AC (50-60 Hz) / DC Uc: 23-26 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	S6
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>	27 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	9 W
<ul> <li>without load current share typical</li> </ul>	5.2 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
<ul> <li>of auxiliary circuit rated value</li> </ul>	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)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	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
SVHC substance name	Blei - 7439-92-1
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30	95 %

maximum	
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	185 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated	185 A
value	
— up to 690 V at ambient temperature 60 °C rated	160 A
value	00.4
<ul> <li>up to 1000 V at ambient temperature 40 °C rated value</li> </ul>	90 A
— up to 1000 V at ambient temperature 60 °C rated	90 A
value	
• at AC-3	
— at 400 V rated value	150 A
— at 500 V rated value	150 A
— at 690 V rated value	150 A
— at 1000 V rated value	65 A
• at AC-3e	
— at 400 V rated value	150 A
— at 500 V rated value	150 A
— at 690 V rated value	150 A
— at 1000 V rated value	65 A
at AC-4 at 400 V rated value	132 A
at AC-5a up to 690 V rated value	162 A
at AC-5b up to 400 V rated value	124 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	150 A
— up to 400 V for current peak value n=20 rated value	150 A
— up to 500 V for current peak value n=20 rated value	150 A
— up to 690 V for current peak value n=20 rated value	150 A
— up to 1000 V for current peak value n=20 rated	65 A
value	00 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	105 A
— up to 400 V for current peak value n=30 rated value	105 A
— up to 500 V for current peak value n=30 rated value	105 A
— up to 690 V for current peak value n=30 rated value	105 A
— up to 1000 V for current peak value n=30 rated	65 A
value	
ninimum cross-section in main circuit at maximum AC-1 rated	95 mm²
pperational current for approx. 200000 operating cycles at	
AC-4	68 A
<ul><li>at 400 V rated value</li><li>at 690 V rated value</li></ul>	68 A 57 A
operational current	OI A
at 1 current path at DC-1	
-	160 A
— at 24 V rated value	160 A 160 A
— at 60 V rated value	
— at 110 V rated value	18 A
— at 220 V rated value	3.4 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.5 A
with 2 current paths in series at DC-1	
— at 24 V rated value	160 A
— at 60 V rated value	160 A

1440.77	400 4
— at 110 V rated value	160 A
— at 220 V rated value	20 A
— at 440 V rated value	3.2 A
— at 600 V rated value	1.6 A
with 3 current paths in series at DC-1	
— at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	160 A
— at 440 V rated value	11.5 A
— at 600 V rated value	4 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	160 A
— at 60 V rated value	7.5 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.17 A
— at 600 V rated value	0.12 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 110 V rated value	160 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
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	160 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	
<ul> <li>at AC-2 at 400 V rated value</li> </ul>	75 kW
• at AC-3	
— at 230 V rated value	45 kW
— at 400 V rated value	75 kW
— at 500 V rated value	90 kW
— at 690 V rated value	132 kW
— at 1000 V rated value	90 kW
• at AC-3e	
— at 230 V rated value	45 kW
— at 400 V rated value	75 kW
— at 500 V rated value	90 kW
— at 690 V rated value	132 kW
— at 1000 V rated value	90 kW
operating power for approx. 200000 operating cycles at AC-	
4 a at 400 V rated value	30 MM
<ul><li>at 400 V rated value</li><li>at 690 V rated value</li></ul>	38 kW
	55 kW
<ul> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	60 000 kVA
· ·	
up to 400 V for current peak value n=20 rated value      up to 500 V for current peak value n=20 rated value	100 000 VA
up to 500 V for current peak value n=20 rated value     up to 600 V for current peak value n=20 rated value	130 000 VA
up to 690 V for current peak value n=20 rated value     up to 1000 V for current peak value n=20 rated value	170 000 VA
up to 1000 V for current peak value n=20 rated value	110 000 VA
operating apparent power at AC-6a	40 000 \/A
up to 230 V for current peak value n=30 rated value      up to 400 V for current peak value n=30 rated value	40 000 VA
up to 400 V for current peak value n=30 rated value      up to 500 V for current peak value n=30 rated value	70 000 VA
up to 500 V for current peak value n=30 rated value      up to 600 V for current peak value n=30 rated value	90 000 VA
• up to 690 V for current peak value n=30 rated value	120 000 VA
<ul> <li>up to 1000 V for current peak value n=30 rated value</li> </ul>	110 000 VA

short-time withstand current in cold operating state up to 40 °C	
limited to 1 s switching at zero current maximum	2 727 A; Use minimum cross-section acc. to AC-1 rated value
limited to 5 s switching at zero current maximum	1 831 A; Use minimum cross-section acc. to AC-1 rated value
limited to 10 s switching at zero current maximum	1 300 A; Use minimum cross-section acc. to AC-1 rated value
limited to 30 s switching at zero current maximum	850 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	703 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	2 000 1/h
• at DC	2 000 1/h
operating frequency	
• at AC-1 maximum	800 1/h
at AC-2 maximum	300 1/h
• at AC-3 maximum	750 1/h
at AC-3e maximum	750 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	23 26 V
at 60 Hz rated value	23 26 V
control supply voltage at DC	
• rated value	23 26 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	
at minimum rated control supply voltage at AC	250.1/4
— at 50 Hz — at 60 Hz	250 VA 250 VA
	250 VA
<ul> <li>at maximum rated control supply voltage at AC</li> <li>— at 60 Hz</li> </ul>	300 VA
— at 50 Hz	300 VA
apparent pick-up power of magnet coil at AC	300 VA
• at 50 Hz	300 VA
• at 60 Hz	300 VA
inductive power factor with closing power of the coil	300 VA
• at 50 Hz	0.9
• at 60 Hz	0.9
apparent holding power	
at minimum rated control supply voltage at DC	4.3 VA
at maximum rated control supply voltage at DC     at maximum rated control supply voltage at DC	5.2 VA
apparent holding power	
at minimum rated control supply voltage at AC	
— at 50 Hz	4.8 VA
— at 60 Hz	4.8 VA
at maximum rated control supply voltage at AC	
— at 50 Hz	5.8 VA
— at 60 Hz	5.8 VA
apparent holding power of magnet coil at AC	
• at 50 Hz	5.8 VA
• at 60 Hz	5.8 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.8
● at 60 Hz	0.8
closing power of magnet coil at DC	360 W

Coloning delay	haldian account for any 1, 12, 120	5.0.W
* all AC   20 95 ms	holding power of magnet coil at DC	5.2 W
## ALC   20 96 ms   40 60 ms		
opening delay  * all AC  * all DC  *		
## APC ##		20 95 ms
# ID C	opening delay	
control version of the switch operating mechanism  Control version of the switch operating mechanism  Control version of NC contacts for auxiliary contacts instantaneous contact rumber of NC contacts for auxiliary contacts instantaneous contact rumber of NC contacts for auxiliary contacts instantaneous contact operational current at AC-15  • at 230 V rated value • at 230 V rated value • at 300 V rated value • at 300 V rated value • at 300 V rated value • at 40 V rated value • at 600 V	• at AC	40 60 ms
Control version of the switch operating mechanism   Standard A1 - A2	• at DC	40 60 ms
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A  10 A  Operational current at AC-15  * 12 20 V rated value * 20 A  * 1600 V rated value * 1600 V rated value * 10 A  Operational current at DC-12  * 12 4V rated value * 10 A  Operational current at DC-12  * 12 4V rated value * 10 A  * 160 V rated value * 10 A  * 11 10 V rated value * 10 A  * 11 10 V rated value * 11 10 V rated value * 10 A  * 11 10 V rated value * 10 A  * 11 10 V rated value * 10 A  * 11 10 V rated value * 10 A  * 11 10 V rated value * 10 A  * 11 10 V rated value * 10 A  * 11 10 V rated value * 10 A  * 11 10 V rated value * 10 A  * 11 10 V rated value * 10 A  * 10 A  * 10 A  * 10 A  * 10 C V rated value * 10 A  * 10 A  * 10 A  * 10 C V rated value * 10 A  * 10 A  * 10 A  * 10 V rated value * 10 A	arcing time	10 15 ms
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15	<u> </u>	Standard A1 - A2
contact number of NO contacts for auxiliary contacts instantaneous contact contact  operational current at AC-12 maximum  operational current at AC-15  • at 220 V rated value • at 800 V rated value • at 80 V rated value • at 150 V rated value • at 150 V rated value • at 150 V rated value • at 125 V rated value • at 800 V rated value • at 100 V rated value • at 100 V rated value • at 100 V rated value • at 200 V rated value • at 800 V r		
Department current at AC-12 maximum   10 A   Operational current at AC-15   0.1230 V rated value   6 A   3 A   0.1230 V rated value   2 A   0.1240 V rated value   1 A   0.1540 V rated value   0.1540 V rated val	· · · · · · · · · · · · · · · · · · ·	2
0		2
	operational current at AC-12 maximum	10 A
• at 400 V rated value	operational current at AC-15	
• at 500 V rated value	at 230 V rated value	6 A
• at 690 V rated value	at 400 V rated value	3 A
at 24 V rated value	at 500 V rated value	2 A
• at 24 V rated value	• at 690 V rated value	1A
	operational current at DC-12	
at 160 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 60 V rated value	6 A
at 125 V rated value		
• at 600 V rated value	at 125 V rated value	2 A
• at 600 V rated value	at 220 V rated value	1 A
operational current at DC-13  • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 360 V rated value • at 480 V rated value • at 600 V rated value • for 3-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • 60 hp — at 460/480 V rated value — at 460/480 V rated value — at 460/480 V rated value • 60 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 • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions  mounting position  fastening method  at 24 A  1 A  10 A  10 A  2 A  2 A  2 A  4 A  10		0.15 A
at 24 V rated value at 48 V rated value 2 A at 148 V rated value 2 A at 110 V rated value 3 A at 110 V rated value 4 at 22 V rated value 9 A 3 A 4 at 220 V rated value 9 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5		
at 48 V rated value at 60 V rated value 2 A at 110 V rated value 1 A at 125 V rated value 0.9 A at 220 V rated value 0.3 A at 600 V rated value 0.1 A  tontact reliability of auxiliary contacts  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value 156 A at 600 V rated value 144 A  yielded mechanical performance [hp]  of or single-phase AC motor at 230 V rated value 50 hp at 220/230 V rated value 50 hp at 220/230 V rated value 50 hp at 220/230 V rated value 50 hp at 480/480 V rated value 50 hp at 575/600 V rated value 156 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 assignment 2 required with type of assignment 2 required with type of assignment 2 required GR: 355 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 5 kA) installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90* rotatable, with vertical mounting surface +/-92.5* tiltable to the front and back screw fixing	•	10 A
at 60 V rated value at 110 V rated value at 125 V rated value 0.9 A at 125 V rated value 0.3 A at 600 V rated value 0.1 A  contact reliability of auxiliary contacts  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value 156 A at 600 V rated value 156 A by ielded mechanical performance [hp] for single-phase AC motor at 230 V rated value 156 A by at 200/208 V rated value 150 hp at 200/208 V rated value 150 hp at 375/600 V rated value 150 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 167 Grs 305 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 5 kA) for short-circuit protection of the auxiliary switch required gG: 35 The 1690 V, 100 kA) gG: 315 A (690 V, 100 kA) at 100 V rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface fastening method  with vertical mounting surface +/-90° rotatable, with vertical mounting surface fastening method  at 200 V rated value 200 A (690 V, 700 rotatable, with vertical mounting surface fastening method  at 600 V rated value 201 A (500 V, 1 kA) by a fastening method  at 600 V rated value 202 A (690 V, 50 kA), BS88: 315 A (415 V, 5 kA) by a for short-circuit protection of the auxiliary switch required 403 A (690 V, 100 kA) 404 A 405 A (690 V, 100 kA) 406 A (690 V, 50 kA), BS88: 315 A (415 V, 5 kA) 407 B (690 V, 100 kA) 408 B (690 V, 100 kA) 409 B (690 V, 100		
<ul> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>0.9 A</li> <li>at 220 V rated value</li> <li>0.3 A</li> <li>ot 600 V rated value</li> <li>0.1 A</li> </ul> Contact reliability of auxiliary contacts <ul> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> </ul> UL/CSA ratings full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>for single-phase AC motor</li> <li>at 230 V rated value</li> <li>for single-phase AC motor</li> <li>at 220/228 V rated value</li> <li>50 hp</li> <li>at 220/239 V rated value</li> <li>60 hp</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> <li>bo hp</li> </ul> contact rating of auxiliary contacts according to UL <ul> <li>A600 / Q600</li> </ul> Short-circuit protection <ul> <li>design of the fuse link</li> <li>of or short-circuit protection of the main circuit</li> <li>with type of assignment 2 required</li> <li>with type of assignment 2 required</li> <li>ag: 355 A (690 V, 100 kA), am: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 5 kA)</li> <li>of or short-circuit protection of the auxiliary switch required</li> <li>gG: 315 A (690 V, 100 kA), am: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 5 kA)</li> <li>of or short-circuit protection of the auxiliary switch required</li> <li>gG: 315 A (690 V, 100 kA), am: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 5 kA)</li> <li>of or short-circuit protection of the auxiliary switch required</li> <li>gG: 315 A (690 V, 100 kA), am: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 5 kA)</li> </ul> Installation/ mounting/ dimensions with vertical mounting surface +/-90* rotatable, with vertical mounting surface +/-20.5* tiltable to the front and back fastening method		
at 125 V rated value at 220 V rated value at 220 V rated value 0.3 A at 220 V rated value 0.1 A 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 at 600 V rated value  i for 3-phase AC motor at 230 V rated value at 230 V rated value at 230 V rated value befor 3-phase AC motor at 200/208 V rated value at 200/208 V rated value befor 3-phase AC motor at 480 V rated value befor 3-phase AC motor at 480 V rated value befor 3-phase AC motor at 480 V rated value befor 3-phase AC motor at 480 V rated value befor 3-phase AC motor at 480 V rated value befor 3-phase AC motor at 480 V rated value befor 3-phase AC motor at 480 V rated value befor 3-phase AC motor at 480 V rated value befor 3-phase AC motor at 480 V rated value befor 3-phase AC m		
at 220 V rated value at 600 V rated value  1.1 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 at 600 V rated value  156 A at 600 V rated value  156 A  167 S-phase AC motor  178 At 230 V rated value  189 At 220 V rated value  199 At 220 V rated value  190 At 25		
at 600 V rated value  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  at 600 V rated value  for single-phase AC motor  at 230 V rated value  for 3-phase AC motor  at 200/208 V rated value  for 3-phase AC motor  at 200/208 V rated value  for 3-phase AC motor  at 200/208 V rated value  for 3-phase AC motor  at 200/208 V rated value  for 3-phase AC motor  at 200/208 V rated value  for hp  at 460/480 V rated value  for 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  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  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		
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  yielded mechanical performance [hp]  • for single-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 220/208 V rated value  • at 460/480 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  — 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  • for short-circuit protection of the auxiliary switch required and the formulation of the formulation of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required and the formulation of the formulation of the auxiliary switch required and the formulation of the formulation of the auxiliary switch required and the formulation of the formulation o		
### Contact rating of auxiliary contacts according to UL    Contact rating of the fuse link   For short-circuit protection of the main circuit		
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value • at 600 V rated value  • at 600 V rated value    of rated value	<u> </u>	Tradity Switching per 100 million (17 V, 1 mA)
<ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>144 A</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor  — at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>— at 200/208 V rated value</li> <li>50 hp</li> <li>— at 220/230 V rated value</li> <li>— at 460/480 V rated value</li> <li>— at 4575/600 V rated value</li> <li>— at 575/600 V rated value</li> <li>150 hp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>Short-circuit protection</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> <li>— with type of coordination 1 required</li> <li>— with type of assignment 2 required</li> <li>gG: 355 A (690 V, 100 kA)</li> <li>— with type of coordination of the auxiliary switch required</li> <li>gG: 315 A (690 V, 100 kA)</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>gG: 10 A (500 V, 1 kA)</li> <li>Installation/ mounting/ dimensions</li> <li>with vertical mounting surface +/-90° rotatable, with vertical mounting surface</li> <li>+/- 22.5° tiltable to the front and back</li> <li>fastening method</li> </ul>		
at 600 V rated value  yielded mechanical performance [hp]  for single-phase AC motor  — at 230 V rated value  for 3-phase AC motor  — at 200/208 V rated value  — at 200/208 V rated value  — at 200/208 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  — with type of condination 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  — of r 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 the function of the short and back  Installation/ mounting/ dimensions  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back	. , .	156 A
yielded mechanical performance [hp]  • for single-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  50 hp  — at 220/230 V rated value  — at 460/480 V rated value — at 575/600 V rated value — at 220/230 V rated value — at 575/600 V rated value — at 575/600 V rated value — at 575/600 V rated value — at 220/230 V rated value — at 2		
for single-phase AC motor         — at 230 V rated value         • 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         — with tyre 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 assignment 2 required         — of rshort-circuit protection of the auxiliary switch required         — gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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		1777.
- at 230 V rated value  • for 3-phase AC motor  - at 200/208 V rated value  - at 220/230 V rated value  - at 460/480 V rated value  - at 575/600 V rated value  - at 575/600 V rated value  - at 575/600 V rated value  - at 600 / 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  • 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  • with type of assignment 2 required  • with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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		
for 3-phase AC motor          — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 575/600 V rated value          Contact rating of auxiliary contacts according to UL          Short-circuit protection          design of the fuse link         — for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         — with type of assignment 2 required         — for short-circuit protection of the auxiliary switch required		30 hp
- at 220/230 V rated value 60 hp - at 460/480 V rated value 125 hp - at 575/600 V rated value 150 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: 355 A (690 V, 100 kA) - with type of assignment 2 required gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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		oo np
- at 220/230 V rated value 60 hp - at 460/480 V rated value 125 hp - at 575/600 V rated value 150 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: 355 A (690 V, 100 kA) - with type of assignment 2 required gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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	·	50 hp
- at 460/480 V rated value - at 575/600 V rated value 150 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: 355 A (690 V, 100 kA)  - with type of assignment 2 required 9G: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 5 kA)  • for short-circuit protection of the auxiliary switch required 9G: 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		
- 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  • for short-circuit protection of the auxiliary switch required  gG: 355 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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		·
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: 355 A (690 V, 100 kA)  gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 5 kA)  • for short-circuit protection of the auxiliary switch required  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		
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 main circuit  — 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: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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		·
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: 355 A (690 V, 100 kA)  gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 5 kA)  • for short-circuit protection of the auxiliary switch required  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		A000 / Q000
<ul> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>gG: 355 A (690 V, 100 kA)</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 5 kA)</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> <li>gG: 10 A (500 V, 1 kA)</li> <li>Installation/ mounting/ dimensions</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> </ul>		
— with type of coordination 1 required gG: 355 A (690 V, 100 kA)  — with type of assignment 2 required gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 5 kA)  • for short-circuit protection of the auxiliary switch required 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  gG: 315 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 5 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back	-	
— with type of assignment 2 required  gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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  screw fixing	•	
For short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  fastening method  screw fixing	**	
Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  fastening method  screw fixing		gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA)
mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  fastening method  screw fixing		gG: 10 A (500 V, 1 kA)
+/- 22.5° tiltable to the front and back  fastening method screw fixing	Installation/ mounting/ dimensions	
	mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface
side by side may after		17- 22.5 thable to the north and back
• side-by-side mounting Yes	fastening method	

height	172 mm
width	120 mm
depth	170 mm
required spacing	
with side-by-side mounting	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
for grounded parts	
— forwards	20 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
for live parts	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
onnections/ Terminals	
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
width of connection bar	17 mm
thickness of connection bar	3 mm
diameter of holes	9 mm
number of holes	1
connectable conductor cross-section for main contacts	
• stranded	25 120 mm²
connectable conductor cross-section for auxiliary contacts	
solid or stranded	0.5 4 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	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)
<ul> <li>finely stranded with core end processing</li> </ul>	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
afety 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
suitability for use safety-related switching OFF	Yes
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



Confirmation





<u>KC</u>



EMC

Functional Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 



Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

**Test Certificates** 

Marine / Shipping

**Miscellaneous** 











other

Railway

Confirmation

**Miscellaneous** 

Confirmation

**Miscellaneous** 

Special Test Certific-

Eurthor 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=3RT1055-6AB36-3PA0

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT1055-6AB36-3PA0}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1055-6AB36-3PA0

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

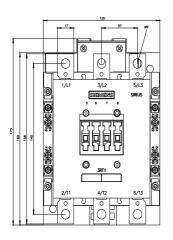
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1055-6AB36-3PA0&lang=en

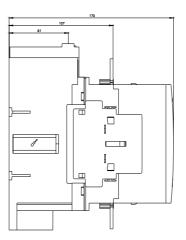
Characteristic: Tripping characteristics, I2t, Let-through current

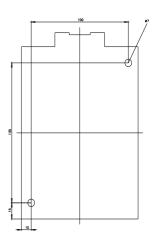
https://support.industry.siemens.com/cs/ww/en/ps/3RT1055-6AB36-3PA0/char

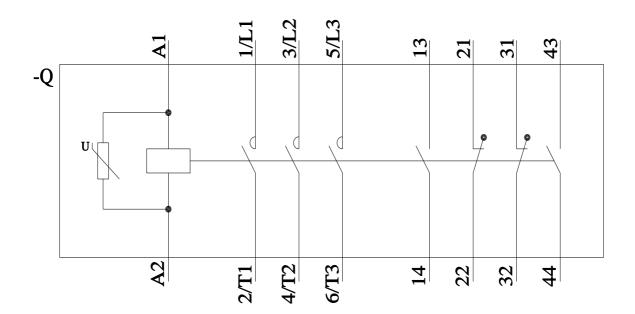
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1055-6AB36-3PA0&objecttype=14&gridview=view1



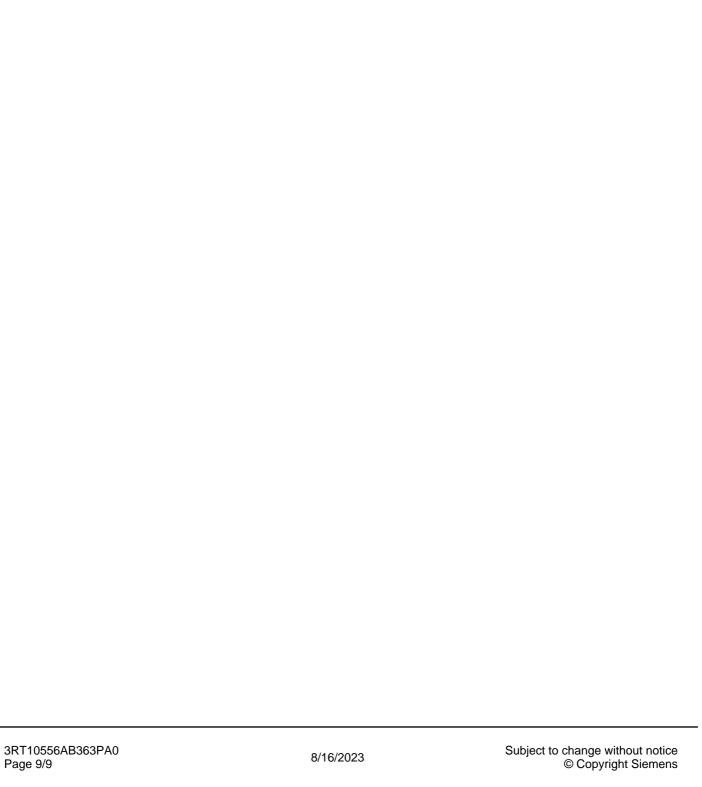






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