SIEMENS

product brand name

Data sheet 3RT1055-2AR36

SIRIUS



power contactor, AC-3 150 A, 75 kW / 400 V AC (50-60 Hz) / DC operation 440-480 V AC/DC auxiliary contacts 2 NO + 2 NC 3-pole, frame size S6 busbar connections drive: conventional spring-loaded terminal

product brand name	SIKIUS
product designation	Power contactor
product type designation	3RT1
General technical data	
size of contactor	S6
product extension	
 function module for communication 	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	27 W
 at AC in hot operating state per pole 	9 W
without load current share typical	5.2 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	1 000 V
 of auxiliary circuit with degree of pollution 3 rated value 	500 V
surge voltage resistance	
of main circuit rated value	8 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (switching cycles)	
of contactor typical	10 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
mbient 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 at 55 °C according to IEC 60069 2 20	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
lain 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	1 000 7
at AC-1 at 400 V at ambient temperature 40 °C rated value	185 A
• at AC-1	
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	185 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	160 A
 up to 1000 V at ambient temperature 40 °C rated value 	90 A
— up to 1000 V at ambient temperature 60 °C rated value	90 A
• at AC-3	150 A
— 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	450.4
— 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 — up to 500 V for current peak value n=20 rated 	150 A 150 A
value — up to 690 V for current peak value n=20 rated	150 A
value	
 up to 1000 V for current peak value n=20 rated value at AC-6a 	65 A
 at AC-oa 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 value minimum cross-section in main circuit at maximum AC-1	65 A 95 mm ²
rated value operational current for approx. 200000 operating	
cycles at AC-4	
 at 400 V rated value 	68 A
at 690 V rated value	57 A
operational current	
at 1 current path at DC-1	

— at 24 V rated value	160 A
— 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 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
	1:0 A
with 3 current paths in series at DC-1	400 A
— at 24 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
 at 1 current path at DC-3 at DC-5 	
— at 24 V rated value	160 A
— at 110 V rated value	2.5 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
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 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
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 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	
• 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	
at 400 V rated value	38 kW
at 690 V rated value	55 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	60 000 kVA
• up to 400 V for current peak value n=20 rated value	100 000 VA
• up to 500 V for current peak value n=20 rated value	130 000 VA
• up to 690 V for current peak value n=20 rated value	170 000 VA
up to 1000 V for current peak value n=20 rated value value	110 000 VA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	40 000 VA

 up to 400 V for current peak value n=30 rated value 	70 000 VA
 up to 500 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
 up to 1000 V for current peak value n=30 rated 	110 000 VA
value	
short-time withstand current in cold operating state up to 40 °C	
Iimited to 1 s switching at zero current maximum	2 727 A; Use minimum cross-section acc. to AC-1 rated value
Ilmited to 1's switching at zero current maximum Ilmited to 5 s switching at zero current maximum	1 831 A; Use minimum cross-section acc. to AC-1 rated value
limited to 3 s switching at zero current maximum limited to 10 s switching at zero current maximum	1 300 A; Use minimum cross-section acc. to AC-1 rated value
limited to 10 3 switching at zero current maximum	850 A; Use minimum cross-section acc. to AC-1 rated value
limited to 50 s switching at zero current maximum	703 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	703 A, USE Millimum cross-section acc. to AC-1 fated value
at AC	2 000 1/h
• at DC	2 000 1/h
operating frequency	2 000 1/11
at AC-1 maximum	800 1/h
at AC-2 maximum	300 1/h
at AC-2 maximum at AC-3 maximum	750 1/h
at AC-3 maximum at AC-3e maximum	750 1/h
at AC-3e maximum at AC-4 maximum	130 1/h
Control circuit/ Control	100 1/11
	AC/DC
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	440 490 V
at 50 Hz rated value	440 480 V
• at 60 Hz rated value	440 480 V
control supply voltage at DC	440 400 1/
• rated value	440 480 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	300 VA
• at 60 Hz	300 VA
inductive power factor with closing power of the coil	
● at 50 Hz	0.9
● at 60 Hz	0.9
apparent holding power of magnet coil at AC	
● at 50 Hz	5.8 VA
● at 60 Hz	5.8 VA
inductive power factor with the holding power of the	
coil	0.0
• at 50 Hz	0.8
• at 60 Hz	0.8
closing power of magnet coil at DC	360 W
holding power of magnet coil at DC	5.2 W
closing delay	20 05
• at AC	20 95 ms
• at DC	20 95 ms
opening delay	40
• at AC	40 60 ms
• at DC	40 60 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	

mmber of NC contacts for sucliary contacts		-
instantaneous contact operational current at AC-15 a at 200 V rated value a at 300 V rated value a at 300 V rated value at 360 V rated value at 46 V rated value at 100 V rated value at 360 V rated valu		2
Operational current at AC-15 A A	number of NO contacts for auxiliary contacts	2
Section Current at AC-15		10 A
a d 400 V rited value	operational current at AC-15	
a 1500 V rated value	at 230 V rated value	6 A
• at 690 V rated value 10 A	at 400 V rated value	3 A
Poperational current at DC-12	at 500 V rated value	2 A
• at 24 V rated value	at 690 V rated value	1 A
• at 48 V rated value	operational current at DC-12	
• al 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 220 V rated value	at 110 V rated value	3 A
• at 600 V rated value	at 125 V rated value	2 A
0	at 220 V rated value	1 A
• at 24 V rated value • at 48 V rated value • at 48 V rated value • at 10 V rated value • at 110 V rated value • at 1125 V rated value • at 125 V rated value • at 125 V rated value • at 260 V rated value • at 800 V rated value • for single-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 800 V rated value • for 3-phase AC motor • at 800 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 800/430 V rated value • for 3-phase AC motor • at 800/430 V rated value • for 3-phase AC motor • at 800/430 V rated value • for 3-phase AC motor • at 800/430 V rated value • for 5-phase AC motor • at 800/430 V rated value • for 5-phase AC motor • at 800/430 V rated value • for 5-phase AC motor • at 800/430 V rated value • for 5-phase AC motor • at 800/430 V rated value • for 5-phase AC motor • at 800/430 V rated value • for 5-phase AC motor • at 800/430 V rated value • for 5-phase AC motor • at 800/430 V rated value • for 5-phase AC motor • at 800/430 V rated value • for 5-phase AC motor • at 800/430 V rated value • for 5-phase AC motor • at 800/430 V rated value • for 5-phase AC motor • at 800/430 V rated value • for 5-phase AC motor • for short-circuit protection of the main circuit • with type of coordination 1 required • for short-circuit protection of the auxiliary switch • for short-cir	at 600 V rated value	0.15 A
	operational current at DC-13	
• at 60 V rated value • at 110 V rated value • at 110 V rated value • at 1220 V rated value • at 8220 V rated value • at 8230 V rated value • at 8200 V rated value • at 800 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 coordination 1 required • with type of assignment 2 required with type of assignment 2 required side-by-side mounting • with vertical mounting surface */-90° rotatable, with vertical mounting surfa	at 24 V rated value	10 A
	at 48 V rated value	2 A
	at 60 V rated value	2 A
at 220 V rated value at 600 V rated value 20.1 A 2	at 110 V rated value	
• at 600 V rated value contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings Ill-load current (FLA) for 3-phase AC motor at 480 V rated value 156 A 144 A yielded mechanical performance [hp] 144 A of or single-phase AC motor 230 V rated value 30 hp 145 hp	at 125 V rated value	0.9 A
Contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor	at 220 V rated value	0.3 A
### Support of the first 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 singh-chaic of the auxiliary switch required - with of position - with type of singh-chaic of the main circuit - with type of singh-chaic of the auxiliary switch required - with type of singh-chaic of the auxiliary switch - with type of contac	at 600 V rated value	0.1 A
### Support of the first 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 singh-chaic of the auxiliary switch required - with of position - with type of singh-chaic of the main circuit - with type of singh-chaic of the auxiliary switch required - with type of singh-chaic of the auxiliary switch - with type of contac	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
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	UL/CSA ratings	
at 480 V rated value at 600 V rated value to 41600 V rated value at 600 V rated value if or single-phase AC motor	-	
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 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value Contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back • side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • or mards — upwards — upwards 10 mm		156 A
• 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 4575/600 V rated value — at 575/600 V rated value — with type 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 9G: 315 A (690 V, 100 kA) 9 (G: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required prequired Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +	at 600 V rated value	144 A
• 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 4575/600 V rated value — at 575/600 V rated value — with type 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 9G: 315 A (690 V, 100 kA) 9 (G: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required prequired Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +	vielded mechanical performance [hp]	
- at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 240/480 V rated value — at 460/480 V rated value — at 575/600 V rated value — with stype 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 — with type of assignment 2 required gG: 355 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 mounting surface +/-22.5° tiltable to the front and back screw fixing Yes height 172 mm width depth 170 mm required spacing • with side-by-side mounting — forwards — upwards 10 mm		
- at 200/208 V rated value 50 hp - at 220/230 V rated value 60 hp - at 4460/480 V rated value 125 hp - at 575/600 V rated value 150 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link		30 hp
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting • with side-by-side mounting • or mounting position • side-by-side mounting • with side-by-side mounting • with side-by-side mounting • or mounting position • or mounting position • side-by-side mounting • with side-by-side mounting • mounting position • mounting position • mounting position • with side-by-side mounting • mounting position • mount	• for 3-phase AC motor	
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting • with side-by-side mounting • or mounting position • side-by-side mounting • with side-by-side mounting • with side-by-side mounting • or mounting position • or mounting position • side-by-side mounting • with side-by-side mounting • mounting position • mounting position • mounting position • with side-by-side mounting • mounting position • mount	— at 200/208 V rated value	50 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 with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back screw fixing • side-by-side mounting width depth required spacing • with side-by-side mounting — forwards — upwards 150 hp A600 / Q600 A600 A600 / Q600 A600 / Q600 A600 / Q600 A600 / Q600 A600 / Q600 A600 / Q600 A600 / Q600 A600 / Q600 A600 / Q600 A600 / Q600 A600 / Q600 A600 / Q600 A600 / Q600 A600 / Q600 A600 / Q600 A600 / Q600 Ge: 355 A (690 V, 100 kA) A690 V,	— at 220/230 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 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 • side-by-side mounting • with side-by-side mounting - forwards — upwards A600 / Q600 A600 A600 / Q600 A600 / Q600 A600 A600 / Q600 A600 / Q600 A690 / Q00 / Q00 / Q00 A600 / Q00 / Q00 / Q00 / Q00 A600 / Q00 / Q00 / Q00 / Q00 A600 / Q00 / Q00 / Q00 / Q00 A600 / Q00 / Q00 / Q00 / Q00 / Q00 A600 / Q00 / Q00 / Q00 / Q00 / Q00 A600 / Q00 / Q00 / Q00 / Q00 / Q00 / Q00 A600 / Q00 / Q00 / Q00 / Q00 / Q00 / Q00 A600 / Q00 / Q00 / Q00 / Q00 / Q00 / Q00 A600 / Q00 A600 / Q00 / Q00 / Q00 / Q00 / Q00 / Q00 A600 / Q00 / Q00 / Q00 / Q00	— at 460/480 V rated value	125 hp
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 of short-circuit protection of the auxiliary switch required of short-circuit protection of the auxiliary switch required of side-by-side mounting of side-by-side mounting of side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting — forwards — upwards • for short-circuit protection of the auxiliary switch gG: 355 A (690 V, 100 kA) gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA) gG:	— at 575/600 V rated value	·
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 — 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 • with side-by-side mounting — forwards — upwards 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 • 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 width depth required spacing • with side-by-side mounting — forwards — upwards gG: 355 A (690 V, 100 kA) gG: 315 A (690 V, 100 kA) gG: 10 A (500 V, 10 kA) gG: 10 A (500 V, 10 kA) gG: 10 A (500 V, 10 kA) gG: 10 A (500 V, 100 kA)	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 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 — type height — type width — top mm depth — with side-by-side mounting — forwards — upwards — upwards — top mm 10 mm		
- with type of coordination 1 required	_	
— 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, 50 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 Yes height 172 mm width depth 170 mm required spacing • with side-by-side mounting — forwards — upwards 20 mm 10 mm		gG: 355 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 mounting surface +/- 22.5° tiltable to the front and back fastening method • side-by-side mounting • side-by-side mounting height vidth 172 mm width 120 mm depth 170 mm required spacing • with side-by-side mounting • with side-by-side mounting — forwards — upwards gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back 172 mm 172 mm 20 mm 170 mm		gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415
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 172 mm width 120 mm depth required spacing • with side-by-side mounting — forwards — upwards with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-		
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 172 mm width 120 mm depth 170 mm required spacing with side-by-side mounting forwards upwards 10 mm 	·	
surface +/- 22.5° tiltable to the front and back fastening method		with vertical mounting surface +/-90° rotatable, with vertical mounting
● side-by-side mounting height 172 mm width 120 mm depth 170 mm required spacing ● with side-by-side mounting — forwards — upwards Yes 172 mm 170 mm 20 mm 10 mm		surface +/- 22.5° tiltable to the front and back
height 172 mm width 120 mm depth 170 mm required spacing • with side-by-side mounting — forwards — upwards 20 mm 10 mm	_	
width120 mmdepth170 mmrequired spacing• with side-by-side mounting— forwards20 mm— upwards10 mm		
depth 170 mm required spacing ● with side-by-side mounting — forwards 20 mm — upwards 10 mm		
required spacing • with side-by-side mounting — forwards — upwards 20 mm 10 mm		
 with side-by-side mounting forwards upwards 20 mm 10 mm 	•	170 mm
forwardsupwards20 mm10 mm		
— upwards 10 mm		
— downwards 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
Connections/ Terminals	
type of electrical connection	
for main current circuit	Connection bar
 for auxiliary and control circuit 	spring-loaded terminals
 at contactor for auxiliary contacts 	Spring-type terminals
of magnet coil	Spring-type terminals
width of connection bar	17 mm
thickness of connection bar	3 mm
diameter of holes	9 mm
number of holes	1
type of connectable conductor cross-sections	
 at AWG cables for main contacts 	4 250 kcmil
connectable conductor cross-section for main	
contacts	
• stranded	25 120 mm²
connectable conductor cross-section for auxiliary contacts	
 solid or stranded 	0.25 2.5 mm²
 finely stranded with core end processing 	0.25 1.5 mm ²
finely stranded without core end processing	0.25 2.5 mm²
type of connectable conductor cross-sections	
 for auxiliary contacts 	
— solid	2x (0.25 2.5 mm²)
— solid or stranded	2x (0,25 2,5 mm²)
 finely stranded with core end processing 	2x (0.25 1.5 mm²)
 finely stranded without core end processing 	2x (0.25 2.5 mm²)
 at AWG cables for auxiliary contacts 	2x (24 14)
AWG number as coded connectable conductor cross section	
for auxiliary contacts	24 14
Safety related data	
product function	
 mirror contact according to IEC 60947-4-1 	Yes
 positively driven operation according to IEC 60947- 	No
5-1	
B10 value with high demand rate according to SN 31920	1 000 000
protection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover
suitability for use	
 safety-related switching OFF 	Yes
Certificates/ approvals	
General Product Approval	

General Product Approva





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

Marine / Shipping

other











Confirmation

other

Railway

Miscellaneous

Miscellaneous

Confirmation

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=3RT1055-2AR36

Cax online generator

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT1055-2AR36}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1055-2AR36

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

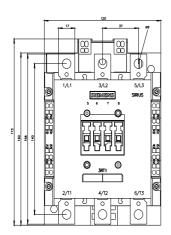
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1055-2AR36&lang=en

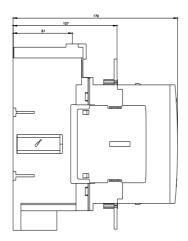
Characteristic: Tripping characteristics, I2t, Let-through current

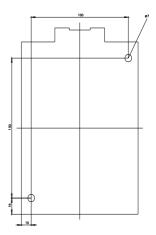
https://support.industry.siemens.com/cs/ww/en/ps/3RT1055-2AR36/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1055-2AR36&objecttype=14&gridview=view1







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