## SIEMENS

## Data sheet

## 3RT1055-6AP36



power contactor, AC-3e/AC-3 150 A, 75 kW / 400 V AC (50-60 Hz) / DC Uc: 220-240 V 3-pole, auxiliary contacts 2 NO + 2 NC 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
<ul> <li>auxiliary switch</li> </ul>	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 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)	
<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
<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	
during operation	-25 +60 °C
<ul> <li>during storage</li> </ul>	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %

Main 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
<ul> <li>at AC-3e rated value maximum</li> </ul>	1 000 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C	185 A
rated value	
• at AC-1	405 A
— up to 690 V at ambient temperature 40 °C rated value	185 A
— up to 690 V at ambient temperature 60 °C	160 A
rated value	
<ul> <li>— up to 1000 V at ambient temperature 40 °C</li> </ul>	90 A
rated value	
— up to 1000 V at ambient temperature 60 °C rated value	90 A
• 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
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	132 A
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	162 A
<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	124 A
• at AC-6a	
<ul> <li>— up to 230 V for current peak value n=20 rated value</li> </ul>	150 A
— up to 400 V for current peak value n=20 rated	150 A
value	
<ul> <li>up to 500 V for current peak value n=20 rated</li> </ul>	150 A
value	
<ul> <li>— up to 690 V for current peak value n=20 rated value</li> </ul>	150 A
— up to 1000 V for current peak value n=20 rated	65 A
value	
● at AC-6a	
<ul> <li>— up to 230 V for current peak value n=30 rated value</li> </ul>	105 A
— up to 400 V for current peak value n=30 rated	105 A
value	100 A
<ul> <li>— up to 500 V for current peak value n=30 rated</li> </ul>	105 A
value	
<ul> <li>— up to 690 V for current peak value n=30 rated value</li> </ul>	105 A
— up to 1000 V for current peak value n=30 rated	65 A
value	
minimum cross-section in main circuit at maximum AC-1	95 mm²
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	160.4
— at 24 V rated value	160 A 18 A
— at 110 V rated value — at 220 V rated value	3.4 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.5 A

Ι

— 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
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— 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
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	160 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	100.4
— at 24 V rated value	160 A
— at 110 V rated value — at 220 V rated value	160 A 2.5 A
— at 440 V rated value	2.5 A 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>	0.37 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	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
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	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
<ul> <li>up to 1000 V for current peak value n=20 rated</li> </ul>	110 000 VA
value	
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
<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	
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	2 727 A; Use minimum cros
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	1 831 A; Use minimum cro
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	1 300 A; Use minimum cros
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	850 A: Use minimum cross

2 727 A; Use minimum cross-section acc. to AC-1 rated value I 831 A; Use minimum cross-section acc. to AC-1 rated value I 300 A; Use minimum cross-section acc. to AC-1 rated value

850 A; Use minimum cross-section acc. to AC-1 rated value

<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	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
<ul> <li>at AC-3e maximum</li> </ul>	750 1/h
<ul> <li>at AC-4 maximum</li> </ul>	130 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
• at 50 Hz rated value	220 240 V
• at 60 Hz rated value	220 240 V
control supply voltage at DC	
rated value	220 240 V
	220 240 V
operating range factor control supply voltage rated value of magnet coil at DC	
-	0.0
• 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
	300 VA
inductive power factor with closing power of the coil	0.0
• 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	
• 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	
• at AC	20 95 ms
• at DC	20 95 ms
opening delay	
• 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	
number of NC contacts for auxiliary contacts	2
instantaneous contact	
number of NO contacts for auxiliary contacts	2
instantaneous contact	
operational current at AC-12 maximum	
	10 A
operational current at AC-15	10 A
• at 230 V rated value	10 A 6 A
• at 230 V rated value	6 A
<ul><li>at 230 V rated value</li><li>at 400 V rated value</li></ul>	6 A 3 A
<ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> </ul>	6 A 3 A 2 A
<ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul>	6 A 3 A
<ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul> operational current at DC-12	6 A 3 A 2 A 1 A
<ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul> <b>operational current at DC-12</b> <ul> <li>at 24 V rated value</li> </ul>	6 A 3 A 2 A 1 A 10 A
<ul> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul> operational current at DC-12	6 A 3 A 2 A 1 A

<ul> <li>at 110 V rated value</li> </ul>	3 A
<ul> <li>at 125 V rated value</li> </ul>	2 A
<ul> <li>at 220 V rated value</li> </ul>	1 A
<ul> <li>at 600 V rated value</li> </ul>	0.15 A
operational current at DC-13	
<ul> <li>at 24 V rated value</li> </ul>	10 A
<ul> <li>at 48 V rated value</li> </ul>	2 A
<ul> <li>at 60 V rated value</li> </ul>	2 A
<ul> <li>at 110 V rated value</li> </ul>	1 A
<ul> <li>at 125 V rated value</li> </ul>	0.9 A
<ul> <li>at 220 V rated value</li> </ul>	0.3 A
<ul> <li>at 600 V rated value</li> </ul>	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	156 A
• at 600 V rated value	144 A
yielded mechanical performance [hp]	
for single-phase AC motor	
— at 230 V rated value	30 hp
<ul> <li>for 3-phase AC motor</li> </ul>	
— at 200/208 V rated value	50 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	
<ul> <li>for short-circuit protection of the main circuit</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, 50 kA)
<ul> <li>for short-circuit protection of the auxiliary switch</li> </ul>	gG: 10 A (500 V, 1 kA)
required	
required	
required Installation/ mounting/ dimensions mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
required Installation/ mounting/ dimensions	with vertical mounting surface +/-90° rotatable, with vertical mounting
required Installation/ mounting/ dimensions mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
required Installation/ mounting/ dimensions mounting position fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing
required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes
required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm
required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm
required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm
required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm
required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm
required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm
required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm
required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 10 mm 10 mm
required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 10 mm 10 mm
required Installation/ mounting/ dimensions mounting position fastening method <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing                 <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>for grounded parts</li> </ul> </li> </ul>	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 10 mm 0 mm
required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 10 mm 0 mm 20 mm
required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — a the side	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 120 mm 170 mm 20 mm 0 mm 20 mm 10 mm
required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — a the side • for grounded parts — forwards — upwards — upwards — at the side • for wards — upwards — downwards — at the side — downwards — at the side — downwards	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 120 mm 170 mm 20 mm 10 mm 0 mm 20 mm 10 mm 10 mm
required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — a the side • for grounded parts — forwards — upwards — at the side • for wards — at the side — downwards — at the side — forwards — upwards — of revards — upwards — of revards — of revards	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 120 mm 170 mm 20 mm 10 mm 0 mm 20 mm 10 mm 10 mm
required Installation/ mounting/ dimensions mounting position fastening method     • side-by-side mounting height width depth required spacing     • with side-by-side mounting         forwards         upwards         downwards         at the side     • for grounded parts         forwards         at the side         downwards         at the side         downwards         at the side         forwards         downwards         at the side         forwards         forwards         at the side         forwards         at the side         forwards         at the side         forwards         at the side         downwards         at the side         downwards         at the side         forwards         forwards         forwards         at the side         downwards         at the side         downwards         at the side         forwards         forwards         forwards	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 120 mm 170 mm 20 mm 0 mm 20 mm 10 mm 20 mm 20 mm 20 mm
required Installation/ mounting/ dimensions mounting position fastening method     • side-by-side mounting height width depth required spacing     • with side-by-side mounting         forwards         upwards         a the side     • for grounded parts         at the side         forwards         at the side         at the side         at the side         at the side         forwards         at the side         downwards         at the side	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 120 mm 170 mm 20 mm 10 mm 20 mm 10 mm 20 mm 10 mm 20 mm 10 mm 20 mm
required Installation/ mounting/ dimensions mounting position fastening method <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing                 <ul> <li>with side-by-side mounting</li> <li>forwards</li></ul></li></ul>	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 120 mm 170 mm 20 mm 0 mm 20 mm 10 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
required Installation/ mounting/ dimensions mounting position fastening method <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing                 <ul> <li>with side-by-side mounting</li> <li>forwards</li></ul></li></ul>	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 120 mm 170 mm 20 mm 10 mm 20 mm 10 mm 20 mm 10 mm 20 mm 10 mm 20 mm
required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — a the side • for grounded parts — forwards — at the side • for live parts — forwards • for live parts — forwards — upwards — at the side — downwards — at the side — downwards — at the side — downwards — at the side — forwards — at the side — downwards — at the side — the side	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 120 mm 170 mm 20 mm 0 mm 20 mm 10 mm 20 mm 10 mm 20 mm 10 mm 10 mm 10 mm 10 mm
required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — a the side • for grounded parts — forwards — at the side • for live parts — forwards • for live parts — forwards • downwards • for live parts — forwards — at the side — downwards • for live parts — forwards — at the side — downwards • for live parts — forwards — at the side — the side — downwards — at the side — the side — the side	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 120 mm 10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — a the side • for grounded parts — forwards — at the side • for grounded parts — forwards — at the side — downwards • for live parts — forwards • for live parts — forwards — upwards — at the side • for live parts — forwards — at the side — downwards — at the side — torwards — at the side — forwards — upwards — at the side — forwards — other side — forwards — other side — forwards — other side — other s	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 120 mm 10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — a the side • for grounded parts — forwards — at the side • for live parts — forwards • for live parts — forwards • for live parts — forwards — upwards — at the side • for live parts — forwards — at the side — downwards — at the side — downwards — at the side — forwards — upwards — at the side — for main current circuit • for auxiliary and control circuit	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 120 mm 10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — a the side • for grounded parts — forwards — at the side • for grounded parts — forwards — at the side — downwards • for live parts — forwards • for live parts — forwards — upwards — at the side — downwards • for live parts — forwards — at the side — the side — the side — the side — forwards — at the side — forwards — upwards — at the side — forwards — of the side — the side — the side — the side — the side — the side	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 120 mm 10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm

<ul> <li>of magnet coil</li> </ul>			Screw-type terminals		
width of connection			17 mm		
thickness of connec	tion bar		3 mm		
diameter of holes			9 mm		
number of holes			1		
	conductor cross-sect	ions	4 050 keesil		
at AWG cables			4 250 kcmil		
connectable conduc	tor cross-section for	main			
stranded			25 120 mm²		
	tor cross-section for	auxiliary	20 120 mm		
contacts					
<ul> <li>solid or strande</li> </ul>	d		0.5 4 mm²		
<ul> <li>finely stranded</li> </ul>	with core end processir	ng	0.5 2.5 mm²		
type of connectable	conductor cross-sect	ions			
<ul> <li>for auxiliary con</li> </ul>	itacts				
— solid			2x (0.5 1.5 mm²), 2x (0.1	75 2.5 mm²), max. 2x	(0.75 4 mm <sup>2</sup> )
— solid or str	anded		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 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )			
<ul> <li>at AWG cables</li> </ul>	for auxiliary contacts		2x (20 16), 2x (18 14)	, 1x 12	
	ded connectable cond	uctor cross			
section	taata		10 14		
<ul> <li>for auxiliary con</li> </ul>			18 14		
Safety related data					
product function			X		
	iccording to IEC 60947-		Yes		
<ul> <li>positively driver 5-1</li> </ul>	n operation according to	DIEC 60947-	No		
	emand rate according t	0 SN 31020	1 000 000		
-	t interval or service life		20 y		
IEC 61508		according to	20 y		
	on the front according	to IEC	IP00; IP20 with box termin	al/cover	
60529 touch protection on	the front according to	LEC 60529	finger-safe, for vertical con	tact from the front with t	hov terminal/cover
suitability for use		1EC 00525	inger-sale, for vertical con		
<ul> <li>safety-related s</li> </ul>	witching OEE		Yes		
Certificates/ approval	-		100		
General Product Ap	proval				
	Confirmation		-	KC	
(G)	<b>Confirmation</b>	(m)	<u>m</u>	<u>KC</u>	гпг
<b>U</b>		<u> </u>			r m i
CSA		ccc	UL		
	Functional				
EMC	Safety/Safety of	Declaration of	of Conformity	Test Certificates	
	Machinery		,		
	-				
<b>A</b>	Type Examination	~ ~		Type Test Certific-	Special Test Certific-
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	Marine / Shipping	Hoyds Register us	PRS	RMRS	DNV-GL DNV-GL
	Marine / Shipping	Lloyds Register uis	PES	RMPS	
	Marine / Shipping	Hoyds Register urs	PRS	RMRS	DINV-GL EMPLICIELE
<u>Miscellaneous</u>	Marine / Shipping	Hoyds Kegister us	PRS	RMRS	Ewolucieur
	Marine / Shipping	Lloyds Register uis	PRS	RMRS Railway	DNV-GL NVLLDAN

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**Confirmation** 

**Confirmation** 

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Special Test Certific- Vibration and Shock

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=3RT1055-6AP36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1055-6AP36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1055-6AP36

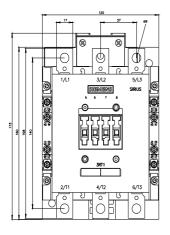
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

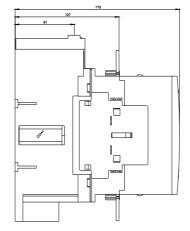
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1055-6AP36&lang=en

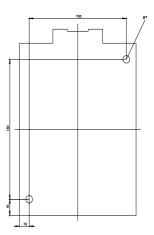
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

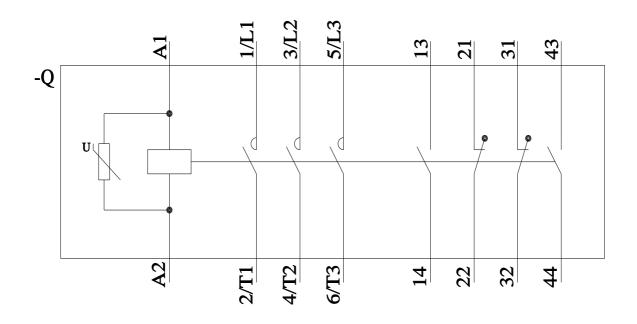
https://support.industry.siemens.com/cs/ww/en/ps/3RT1055-6AP36/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1055-6AP36&objecttype=14&gridview=view1









last modified:

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