SIEMENS

Data sheet

3RT1054-3AR38-0PR0



power contactor, AC-3e/AC-3 115 A, 55 kW / 400 V, AC (50-60 Hz) / DC Uc: 440-480 V 3-pole, auxiliary switch right 3RH1921-2DE11 drive: conventional main circuit: box terminal control and auxiliary circuit: spring-loaded terminal

product brand name	SIRIUS
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 	21 W
 at AC in hot operating state per pole 	7 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 (operating 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)	03/01/2017
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 maximum	95 %

Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
 at AC-3 rated value maximum 	1 000 V
at AC-3e rated value maximum	1 000 V
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated value 	160 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C	160 A
rated value	
— up to 690 V at ambient temperature 60 °C	140 A
rated value — up to 1000 V at ambient temperature 40 °C	80 A
rated value	
— up to 1000 V at ambient temperature 60 °C	80 A
rated value	
• at AC-3	
— at 400 V rated value	115 A
— at 500 V rated value	115 A
— at 690 V rated value — at 1000 V rated value	115 A 53 A
• at AC-3e	
— at 400 V rated value	115 A
— at 500 V rated value	115 A
— at 690 V rated value	115 A
— at 1000 V rated value	53 A
 at AC-4 at 400 V rated value 	97 A
 at AC-5a up to 690 V rated value 	140 A
• at AC-5b up to 400 V rated value	95 A
• at AC-6a	
 — up to 230 V for current peak value n=20 rated value 	115 A
— up to 400 V for current peak value n=20 rated value	115 A
— up to 500 V for current peak value n=20 rated value	115 A
 up to 690 V for current peak value n=20 rated value 	115 A
 — up to 1000 V for current peak value n=20 rated value 	53 A
● at AC-6a	
 — up to 230 V for current peak value n=30 rated value 	98 A
 — up to 400 V for current peak value n=30 rated value 	98 A
 up to 500 V for current peak value n=30 rated value 	98 A
— up to 690 V for current peak value n=30 rated value	98 A
— up to 1000 V for current peak value n=30 rated value	53 A
minimum cross-section in main circuit at maximum AC-1 rated value	70 mm²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	54 A
at 690 V rated value	48 A
operational current • at 1 current path at DC-1	
— at 24 V rated value	160 A
— at 60 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

Ι

 with 2 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	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
 at 1 current path at DC-3 at DC-5 	
— 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
 with 2 current paths in series at DC-3 at DC-5 	
— 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
• with 3 current paths in series at DC-3 at DC-5	
— 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	
• at AC-2 at 400 V rated value	55 kW
• at AC-3	
— at 230 V rated value	37 kW
— at 400 V rated value — at 500 V rated value	55 kW 75 kW
— at 600 V rated value	110 kW
— at 1000 V rated value	75 kW
• at AC-3e	75 KVV
- at 230 V rated value	37 kW
— at 400 V rated value	57 KW
— at 500 V rated value	75 kW
— at 600 V rated value	110 kW
— at 1000 V rated value	75 kW
operating power for approx. 200000 operating cycles	75 KW
at AC-4	
 at 400 V rated value 	29 kW
 at 690 V rated value 	48 kW
operating apparent power at AC-6a	
 up to 230 V for current peak value n=20 rated value 	40 000 kVA
 up to 400 V for current peak value n=20 rated value 	80 000 VA
• up to 500 V for current peak value n=20 rated value	100 000 VA
• up to 690 V for current peak value n=20 rated value	130 000 VA
 up to 1000 V for current peak value n=20 rated 	90 000 VA
value	
operating apparent power at AC-6a	
 up to 230 V for current peak value n=30 rated value 	30 000 VA
 up to 400 V for current peak value n=30 rated value 	60 000 VA
 up to 500 V for current peak value n=30 rated value 	80 000 VA
 up to 690 V for current peak value n=30 rated value 	110 000 VA

 up to 1000 V for current peak value n=30 rated value 	90 000 VA
short-time withstand current in cold operating state	
up to 40 °C	
 limited to 1 s switching at zero current maximum 	2 565 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	1 654 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum 	1 170 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum 	729 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 50 s switching at zero current maximum limited to 60 s switching at zero current maximum 	572 A; Use minimum cross-section acc. to AC-1 rated value
-	572 A, Use minimum cross-section acc. to AC-1 fated value
no-load switching frequency	2 000 1/h
• at AC	
• at DC	2 000 1/h
operating frequency	000.4#
• at AC-1 maximum	800 1/h
• at AC-2 maximum	400 1/h
at AC-3 maximum	1 000 1/h
• at AC-3e maximum	1 000 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	440 480 V
at 60 Hz rated value	440 480 V
control supply voltage at DC	
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	
apparent holding power of magnet con at AC o at 50 Hz	5.8 VA
• at 50 Hz	5.8 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.8
• at 50 Hz	0.8
	0.8 360 W
closing power of magnet coil at DC	360 W 5.2 W
holding power of magnet coil at DC	0.2 VV
closing delay	20 05 mg
• 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	0
instantaneous contact	
number of NO contacts for auxiliary contacts	0
instantaneous contact	
operational current at AC-15	
• at 500 V rated value	2 A
 at 690 V rated value 	1 A

operational current at DC-12	
at 24 V rated value	10 A
 at 48 V rated value 	6 A
 at 125 V rated value 	2 A
 at 600 V rated value 	0.15 A
operational current at DC-13	
 at 24 V rated value 	10 A
 at 48 V rated value 	2 A
 at 60 V rated value 	0.3 A
 at 125 V rated value 	0.9 A
 at 600 V rated value 	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	124 A
• at 600 V rated value	124 A 125 A
	120 A
yielded mechanical performance [hp]	
for single-phase AC motor	
— at 230 V rated value	25 hp
for 3-phase AC motor	
— at 200/208 V rated value	40 hp
— at 220/230 V rated value	50 hp
— at 460/480 V rated value	100 hp
— at 575/600 V rated value	125 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: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415
	V, 50 kA)
 for short-circuit protection of the auxiliary switch 	gG: 10 A (500 V, 1 kA)
required	
required Installation/ mounting/ dimensions	
· · ·	with vertical mounting surface +/-90° rotatable, with vertical mounting
Installation/ mounting/ dimensions	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing
Installation/ mounting/ dimensions mounting position	surface +/- 22.5° tiltable to the front and back
Installation/ mounting/ dimensions mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing
Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting	surface +/- 22.5° tiltable to the front and back screw fixing Yes
Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height	surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm
Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width	surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm
Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth	surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm
Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing	surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm
Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting	surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm
Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards	surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm
Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards	surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 10 mm
Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards	surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 10 mm 10 mm
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	surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 10 mm 10 mm
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	surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 20 mm 10 mm 0 mm
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	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
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 — at the side	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 10 mm
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 — upwards — upwards — downwards — downwards — downwards — upwards — upwards	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 10 mm 10 mm 10 mm 10 mm
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 grounded parts — forwards — at the side — downwards — at the side — forwards — upwards — of the side — forwards — of the side — forwards — for live parts	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 10 mm 10 mm 10 mm 10 mm 10 mm
Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — upwards — a the side • for grounded parts — forwards — at the side • for grounded parts — forwards — at the side — downwards — at the side — forwards — at the side — forwards — at the side — forwards — for live parts — forwards	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 10 mm 10 mm 20 mm 20 mm 10 mm 20 mm
Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • for live parts — forwards — upwards — upwards — upwards — upwards — upwards — upwards — upwards — of live parts — forwards — upwards — upwards — upwards — upwards	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 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
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 — at the side — downwards — at the side — downwards — at the side — downwards • for live parts — forwards — upwards — downwards • for live parts — forwards — upwards — downwards	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 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
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 • for live parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — upwards — at the side — downwards • for live parts — forwards — upwards — upwar	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 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
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 live parts — forwards • for live parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — at the side — downwards — at the side — downwards — at the side	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 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
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 • for live parts — forwards — upwards — at the side — downwards — at the side	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 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
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 — forwards • for live parts — forwards — upwards — at the side — downwards • for live parts — forwards — at the side — downwards — at the side — forwards — upwards — at the side — forwards — of the side — forwards — forwards — forwards — of the side — formation the side • for main current circuit	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 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
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 — upwards — at the side — downwards • for live parts — forwards — upwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit	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 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 20 mm
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 — downwards • for live parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — at the side Connections/ Terminals type of electrical connection • for auxiliary and control circuit • at contactor for auxiliary contacts	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 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 20 mm
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 — upwards — at the side — downwards • for live parts — forwards — upwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit	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 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 20 mm

contacts		
stranded	max. 1x 50, 1x 70 mm ²	
 solid or stranded 	max. 1x 50, 1x 70 mm ²	
 finely stranded with core end processing 	max. 1x 50, 1x 70 mm ²	
 finely stranded without core end processing 	max. 1x 50, 1x 70 mm ²	
connectable conductor cross-section for main contacts		
stranded	16 70 mm²	
 finely stranded with core end processing 	16 70 mm²	
 finely stranded without core end processing 	16 70 mm²	
connectable conductor cross-section for auxiliary contacts		
 solid or stranded 	0.25 2.5 mm ²	
 finely stranded with core end processing 	0.25 1.5 mm²	
 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 mm ²)	
 finely stranded with core end processing 	2x (0.25 1.5 mm ²)	
— finely stranded without core end processing	2x (0.25 2.5 mm ²)	
 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		
 product function mirror contact according to IEC 60947-4-1 	Yes	
 product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 5-1 	Yes No	
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 5-1 		
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 	No	
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to 	No 1 000 000	
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 	No 1 000 000 20 a	
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 	No 1 000 000 20 a IP20	
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 	No 1 000 000 20 a IP20	
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 suitability for use 	No 1 000 000 20 a IP20 finger-safe, for vertical contact from the front	
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 suitability for use safety-related switching on 	No 1 000 000 20 a IP20 finger-safe, for vertical contact from the front Yes	
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 suitability for use safety-related switching on safety-related switching OFF 	No 1 000 000 20 a IP20 finger-safe, for vertical contact from the front Yes	
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 suitability for use safety-related switching on safety-related switching OFF 	No 1 000 000 20 a IP20 finger-safe, for vertical contact from the front Yes	
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 suitability for use safety-related switching on safety-related switching OFF 	No 1 000 000 20 a IP20 finger-safe, for vertical contact from the front Yes Yes	
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 suitability for use safety-related switching on safety-related switching OFF Certificates/ approvals 	No 1 000 000 20 a IP20 finger-safe, for vertical contact from the front Yes Yes	
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 suitability for use safety-related switching on safety-related switching OFF Certificates/ approvals 	No 1 000 000 20 a IP20 finger-safe, for vertical contact from the front Yes Yes	
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 suitability for use safety-related switching on safety-related switching OFF Certificates/ approvals 	No 1 000 000 20 a IP20 finger-safe, for vertical contact from the front Yes Yes	
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 suitability for use safety-related switching on safety-related switching OFF Certificates/ approvals 	No 1 000 000 20 a IP20 finger-safe, for vertical contact from the front Yes Yes	
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 suitability for use safety-related switching on safety-related switching OFF Certificates/ approvals 	No 1 000 000 20 a IP20 finger-safe, for vertical contact from the front Yes Yes	
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 safety-related switching on safety-related switching OFF Certificates/ approvals General Product Approval Confirmatic 	No 1 000 000 20 a IP20 finger-safe, for vertical contact from the front Yes Yes	
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- 5-1 B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 suitability for use safety-related switching on safety-related switching OFF Certificates/ approvals General Product Approval 	No 1 000 000 20 a IP20 finger-safe, for vertical contact from the front Yes Yes	

RC)

Marine / Shipping

<u>Type Examination</u> <u>Certificate</u>

CE

EG-Konf.

UK CA

Type Test Certificates/Test Report

Special Test Certific-

<u>ate</u>

other









Miscellaneous



other		Railway		
<u>Confirmation</u>	Miscellaneous	Special Test Certific- ate	Vibration and Shock	

Further information

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=3RT1054-3AR38-0PR0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1054-3AR38-0PR0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1054-3AR38-0PR0

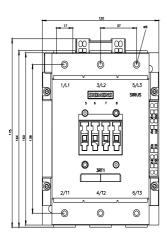
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
- http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1054-3AR38-0PR0&lang=en

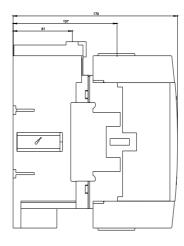
Characteristic: Tripping characteristics, I²t, Let-through current

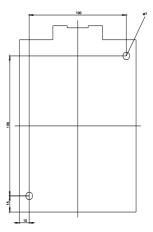
https://support.industry.siemens.com/cs/ww/en/ps/3RT1054-3AR38-0PR0/char

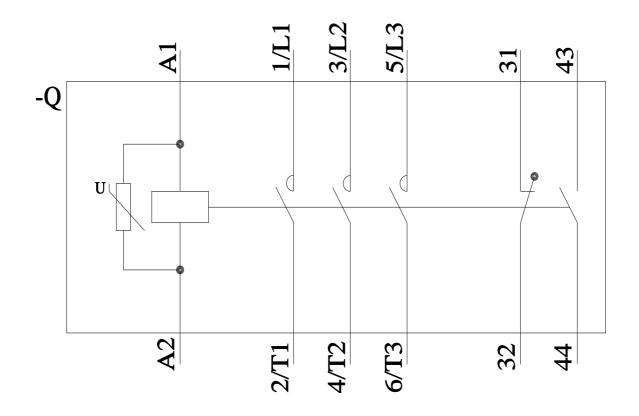
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1054-3AR38-0PR0&objecttype=14&gridview=view1









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2/10/2023 🖸