SIEMENS

Data sheet 3RT1054-6AB36



power contactor, AC-3e/AC-3 115 A, 55 kW / 400 V, AC (50-60 Hz) / DC Uc: 23-26 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	
 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 protective separation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (operating cycles)	
of contactor typical	10 000 000
 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
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	160 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated	160 A
value	
— up to 690 V at ambient temperature 60 °C rated	140 A
value	00.4
 up to 1000 V at ambient temperature 40 °C rated value 	80 A
— up to 1000 V at ambient temperature 60 °C rated	80 A
value	
• at AC-3	
— 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-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
	140 A
at AC-5a up to 690 V rated value at AC-5b up to 400 V rated value	95 A
at AC-5b up to 400 V rated value	95 A
• at AC-6a	445.0
— 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
·	98 A
— up to 400 V for current peak value n=30 rated value	
— 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	70 mm²
value	70 11111
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
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-3	
— at 230 V rated value	37 kW
— at 400 V rated value	55 kW
— at 500 V rated value	75 kW
— at 690 V rated value	110 kW
— at 1000 V rated value	75 kW
• at AC-3e	
— at 230 V rated value	37 kW
— at 400 V rated value	55 kW
— at 500 V rated value	75 kW
— at 690 V rated value	110 kW
— at 1000 V rated value	75 kW
operating power for approx. 200000 operating cycles 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 value 	90 000 VA
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 10 s switching at zero current maximum 	1 170 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	729 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	572 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	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	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	
— at 50 Hz	250 VA
— at 60 Hz	250 VA
• at maximum rated control supply voltage at AC	
— at 60 Hz	300 VA
— at 50 Hz	300 VA
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	
at minimum rated control supply voltage at DC	4.3 VA
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
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 AO	20 00 1110



a at DC	20 05 mg
• at DC	20 95 ms
opening delay	40 00 700
• 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 instantaneous contact	2
number of NO contacts for auxiliary contacts instantaneous contact	2
operational current at AC-12 maximum	10 A
operational current at AC-15	
• at 230 V rated value	6 A
• at 400 V rated value	3 A
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 60 V rated value 	6 A
 at 110 V rated value 	3 A
 at 125 V rated value 	2 A
 at 220 V rated value 	1 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	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
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	125 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 required Installation/mounting/dimensions	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
side-by-side mounting	Yes
height	172 mm
width	120 mm
depth	170 mm



- Forwards	required spacing	
- upwards	 with side-by-side mounting 	
- downwards	— forwards	20 mm
- at the side • for grounded parts - chowards - upwards - at the side - downwards • for live parts - forwards - upwards • for live parts - forwards - upwards - the side - the side	— upwards	10 mm
• for grounded parts - forwards - upwards - at the side - downwards - for live parts - forwards - upwards - forwards - forwards - forwards - forwards - forwards - upwards -	— downwards	10 mm
- forwards	— at the side	0 mm
- upwards	for grounded parts	
- at the side - downwards 10 mm 10 m	— forwards	20 mm
- downwards • for live parts - forwards - upwards - upwards - at the side - at the side - onnections/ Terminals type of electrical connection • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnetions of connection bar inchanges of connection bar diameter of holes - solid or stranded • finely stranded with core end processing • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing • for auxiliary contacts - for auxiliary	— upwards	10 mm
• for live parts — forwards — upwards — downwards — downwards — 10 mm — at the side — 10 mm — at the side — to mind formation type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil width of connection bar indicates of connection bar 17 mm 17 mm 17 mm 18 man 19 mm 19 mm 19 mm 19 mm 10 mm 25 120 mm² 26 mm 27 mm 28 mm 29 mm 19 mm 10 mm 26 mm 27 mm 28 mm 29 mm 10 mm 20 mm	— at the side	10 mm
forwards upwards downwards at the side at connection for auxiliary and control circuit at contactor for auxiliary and control circuit at contactor for auxiliary contacts at contactor for auxiliary contacts at connection bar at thickness of connection side at thickn	— downwards	10 mm
- upwards	for live parts	
- downwards - at the side 10 mm 10 m	— forwards	20 mm
type of electrical connection • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil width of connection bar thickness of connection bar diameter of holes connectable conductor cross-section for main contacts • stranded connectable conductor cross-section for auxiliary contacts • stranded for inely stranded with core end processing • for auxiliary contacts • for auxiliary	— upwards	10 mm
type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • at contactor for auxiliary contacts • of magnet coil	— downwards	10 mm
type of electrical connection • for main current circuit • for maxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Screw-type terminals **Cornection bar** 17 mm **Thinkinchases of connection bar** diameter of holes 10 mm **Connectable conductor cross-section for main contacts • stranded **Connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing • for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts **Ex (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) **Ex (20 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) **Ex (20 16), 2x (18 14), 1x 12 **AWG number as coded connectable conductor cross section • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts 18 14 **Thinking the conductor conductor contact according to IEC 60947-8-1 • positively driven operation according to IEC 60947-5-1 No **Thinking the contact according to IEC 60947-5-1 **No 17 value for proof test interval or service life according to IEC 60529 File touch protection on the front according to IEC 60529 File touch protection on the front according to IEC 60529 File touch protection on the front with box terminal/cover File touch protection on the front according to IEC 60529 File touch protection on the front with box terminal/cover	— at the side	10 mm
type of electrical connection • for main current circuit • for maxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil **Screw-type terminals **Screw-	onnections/ Terminals	
• for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • at contactor for auxiliary contacts • of magnet coil width of connection bar thickness of connection bar thickness of connection bar 17 mm 3 mm diameter of holes 9 mm number of holes 0 1 connectable conductor cross-section for main contacts • stranded connectable conductor cross-section for auxiliary contacts • stranded connectable conductor cross-section for auxiliary contacts • stranded of neity stranded with core end processing 10 5 2.5 mm² type of connectable conductor cross-sections • for auxiliary contacts - solid - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) **AVK number as coded connectable conductor cross-section • for auxiliary contacts 2x (20 16), 2x (18 14), 1x 12 **AVK number as coded connectable conductor cross-section • for auxiliary contacts 18 14 **positively driven operation according to IEC 60947-5-1 • positively driven operation according to SR 01920 1 1000 000 17 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover flouch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover		
• for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil • of magnet coil individual of connection bar individual of connection bar thickness of connection bar thickness of connection bar diameter of holes		Connection har
• at contactor for auxiliary contacts • of magnet coil width of connection bar thickness of connection bar diameter of holes number of holes ostranded ostra		
width of connection bar thickness of connection bar diameter of holes number of holes number of holes onnectable conductor cross-section for main contacts stranded of inely stranded with core end processing of or auxiliary contacts - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - for AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) 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 - for auxiliary	•	
width of connection bar thickness of connection bar diameter of holes	•	
thickness of connection bar diameter of holes number of holes 1 connectable conductor cross-section for main contacts • stranded connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid - solid - solid - solid - solid or stranded 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) - finely stranded with core end processing • for AWG cables for auxiliary contacts 2x (20 1,5 mm²), 2x (0.75 2,5 mm²), max. 2x (0.75 4 mm²) - finely stranded with core end processing • 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 afoty related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF Yes B10 value with high demand rate according to IEC 60947-5-1 No suitability for use safety-related switching OFF Yes B10 value with high demand rate according to IEC 60949 T1 value for proof test interval or service life according to IEC 60529 IP00; IP20 with box terminal/cover touch protection on the front according to IEC 60529 Ip00; IP20 with box terminal/cover		
diameter of holes number of holes number of holes 1 connectable conductor cross-section for main contacts • stranded • stranded • finely stranded with core end processing • for auxiliary contacts — solid or stranded with core end processing — solid or stranded with core end processing — solid or stranded with core end processing — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts • for auxiliary contacts 18 14 afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF Yes B10 value with high demand rate according to IEC 60947-5-1 No suitability for use safety-related switching OFF Yes B10 value with high demand rate according to IEC 60529 IPO0; IP20 with box terminal/cover touch protection on the front according to IEC 60529 Ip00; IP20 with box terminal/cover		
number of holes connectable conductor cross-section for main contacts		
connectable conductor cross-section for main contacts		
• stranded connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing - solid or stranded - solid or stranded - finely stranded with core end processing - solid or stranded with core end processing - solid or stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - solid or strander - solid -		
econnectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts 18 14 afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF Yes Blo value with high demand rate according to ISC 80947-5-1 1 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover		25 120 mm²
solid or stranded finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts — solid — solid or stranded — solid or stranded — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts 18 14 afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF Yes 1000 000 T1 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front 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		20 120 11111
type of connectable conductor cross-sections • for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing — for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section — for auxiliary contacts — for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing — 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) — 2x (20 16), 2x (18 14), 1x 12 AWG number as coded connectable conductor cross section — for auxiliary contacts — solid or stranded — for auxiliary contacts — 18 14 Arety related data Product function — mirror contact according to IEC 60947-4-1 — positively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF 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 60529 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	-	0.5 4 mm ²
type of connectable conductor cross-sections • for auxiliary contacts — solid — solid connectable conductor cross-sections — solid contacts — solid con		
• for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts • for auxiliary contacts 18 14 afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF B10 value with high demand rate according to IEC 60529 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover	· · · · · · · · · · · · · · · · · · ·	0.5 2.5 mm
- solid - solid - solid or stranded - solid or stranded - solid or stranded - finely stranded with core end processing - for AWG cables for auxiliary contacts - for auxili		
- solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts 18 14 afety related data product function • 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 IEC 60529 protection class IP on the front according to IEC 60529 i value for protection on the front according to IEC 60529 iva (0.5 1,5 mm²), 2x (0.75 2,5 mm²) 2x (20 16), 2x (18 14), 1x 12 48 14 48 14 48 14 49 14 40	•	2v (0.5
— finely stranded with core end processing for AWG cables for auxiliary contacts 2x (20 1.5 mm²), 2x (0.75 2.5 mm²) 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 • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF B10 value with high demand rate according to ISN 31920 1 000 000 T1 value for proof test interval or service life according to IEC 60529 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		
• for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts 18 14 afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover		
AWG number as coded connectable conductor cross section • for auxiliary contacts 18 14 afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF 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 60529 protection class IP on the front according to IEC 60529 IP00; IP20 with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover		
section • for auxiliary contacts 18 14 afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 suitability for use safety-related switching OFF 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 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		2X (20 10), 2X (18 14), 1X 12
● for auxiliary contacts afety related data product function ● mirror contact according to IEC 60947-4-1 ● positively driven operation according to IEC 60947-5-1 suitability for use safety-related switching OFF 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 IP00; IP20 with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover		
product function		18 14
Product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 suitability for use safety-related switching OFF	·	
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 suitability for use safety-related switching OFF 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 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 		
positively driven operation according to IEC 60947-5-1 Suitability for use safety-related switching OFF Hand Selection Class IP on the front according to IEC 60529 Hand Sele	•	Yes
Suitability for use safety-related switching OFF 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 finger-safe, for vertical contact from the front with box terminal/cover	-	
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 finger-safe, for vertical contact from the front with box terminal/cover		
T1 value for proof test interval or service life according to IEC 61508 20 a 61508 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		
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		
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover	61508	
•	·	
	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>



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

Type Test Certificates/Test Report

Test Certificates

Marine / Shipping

Miscellaneous











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

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1054-6AB36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1054-6AB36

 ${\bf Service \& Support\ (Manuals,\ Certificates,\ Characteristics,\ FAQs,...)}$

https://support.industry.siemens.com/cs/ww/en/ps/3RT1054-6AB36

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1054-6AB36&lang=en

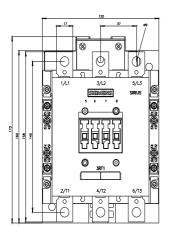
Characteristic: Tripping characteristics, I²t, Let-through current

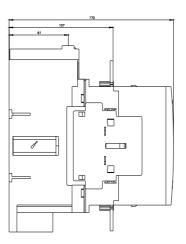
 $\underline{https://support.industry.siemens.com/cs/ww/en/ps/3RT1054-6AB36/char}$

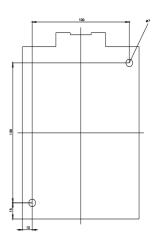
Further characteristics (e.g. electrical endurance, switching frequency)

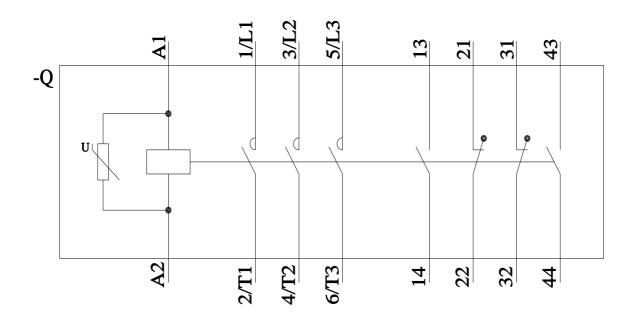
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1054-6AB36&objecttype=14&gridview=view1











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