## 3RT1055-2XB46-0LA2

**Data sheet** 



power contactor, AC-3e/AC-3 150 A, 75 kW / 400 V Uc: 24 V DC x (0.7-1.25) PLC input 24-110 V DC 3-pole, auxiliary contacts 2 NO + 2 NC drive: electronic main circuit: busbar control and auxiliary circuit: spring-loaded terminal extended rated condition railroad IEC 60077

product brand name	SIRIUS
product designation	Power contactor
design of the product	With extended operating range
product type designation	3RT1
General technical data	
size of contactor	S6
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	27 W
at AC in hot operating state per pole	9 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	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 for railway applications according to EN 61373	Category 1, Class B
shock resistance at rectangular impulse	
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (operating cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
of the contactor with added auxiliary switch block typical	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	09/06/2016
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-40 +70 °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	

0101110

number of poles for main current circuit	3
number of NO contacts for main contacts	3
number of NC contacts for main contacts	0
operating voltage	40004
<ul> <li>at AC-3 rated value maximum</li> </ul>	1 000 V
at AC-3e rated value maximum	1 000 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	185 A
• at AC-1	
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	185 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	160 A
— up to 1000 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	90 A
• at AC-2 at 400 V rated value	150 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
at AC-4 at 400 V rated value	132 A
minimum cross-section in main circuit	
at maximum AC-1 rated value	95 mm²
at maximum Ith rated value	95 mm²
operational current for approx. 200000 operating cycles at	
operational current for approx. 200000 operating cycles at AC-4	
operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value	68 A
operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value	
operational current for approx. 200000 operating cycles at AC-4	68 A
operational current for approx. 200000 operating cycles at AC-4         • at 400 V rated value         • at 690 V rated value         operational current         • at 1 current path at DC-1	68 A 57 A
operational current for approx. 200000 operating cycles at AC-4     o at 400 V rated value     o at 690 V rated value     operational current     o at 1 current path at DC-1         — at 24 V rated value	68 A 57 A 160 A
perational current for approx. 200000 operating cycles at AC-4         • at 400 V rated value         • at 690 V rated value          perational current         • at 1 current path at DC-1             — at 24 V rated value         — at 110 V rated value	68 A 57 A 160 A 18 A
perational current for approx. 200000 operating cycles at AC-4         • at 400 V rated value         • at 690 V rated value              • at 1 current             • at 24 V rated value             — at 110 V rated value             — at 220 V rated value	68 A 57 A 160 A 18 A 3.4 A
perational current for approx. 200000 operating cycles at AC-4	68 A 57 A 160 A 18 A 3.4 A 0.8 A
operational current for approx. 200000 operating cycles at AC-4     o at 400 V rated value     o at 690 V rated value     operational current     o at 1 current path at DC-1	68 A 57 A 160 A 18 A 3.4 A
perational current for approx. 200000 operating cycles at AC-4  at 400 V rated value  at 690 V rated value perational current  at 1 current path at DC-1  at 24 V rated value  at 110 V rated value  at 220 V rated value  at 440 V rated value  at 600 V rated value  with 2 current paths in series at DC-1	68 A 57 A 160 A 18 A 3.4 A 0.8 A 0.5 A
perational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  perational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value	68 A 57 A 160 A 18 A 3.4 A 0.8 A 0.5 A
perational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  perational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  • at 10 V rated value  • with 2 rated value  — at 110 V rated value  — at 110 V rated value	68 A 57 A 160 A 18 A 3.4 A 0.8 A 0.5 A 160 A
perational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  perational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 24 V rated value  — at 24 V rated value  — at 210 V rated value  — at 220 V rated value	68 A 57 A 160 A 18 A 3.4 A 0.8 A 0.5 A 160 A 160 A 20 A
perational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  perational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 120 V rated value  — at 440 V rated value	68 A 57 A 160 A 18 A 3.4 A 0.8 A 0.5 A 160 A 160 A 160 A 20 A 3.2 A
perational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  perational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 440 V rated value  — at 440 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value	68 A 57 A 160 A 18 A 3.4 A 0.8 A 0.5 A 160 A 160 A 20 A
perational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  perational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 120 V rated value  — at 440 V rated value	68 A 57 A 160 A 18 A 3.4 A 0.8 A 0.5 A 160 A 160 A 160 A 20 A 3.2 A
perational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  perational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 440 V rated value  — at 440 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value	68 A 57 A  160 A 18 A 3.4 A 0.8 A 0.5 A  160 A 160 A 20 A 3.2 A 1.6 A
perational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  perational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 440 V rated value  — at 440 V rated value  — at 440 V rated value  — at 110 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value  • with 3 current paths in series at DC-1	68 A 57 A  160 A 18 A 3.4 A 0.8 A 0.5 A  160 A 160 A 20 A 3.2 A 1.6 A
operational current for approx. 200000 operating cycles at AC-4	68 A 57 A  160 A 18 A 3.4 A 0.8 A 0.5 A  160 A 160 A 20 A 3.2 A 1.6 A
perational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  perational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 110 V rated value  — at 200 V rated value  — at 200 V rated value  — at 210 V rated value  — at 220 V rated value  — at 240 V rated value  — at 440 V rated value  — at 440 V rated value  — at 24 V rated value  — at 24 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value  • at 24 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value	68 A 57 A  160 A 18 A 3.4 A 0.8 A 0.5 A  160 A 160 A 20 A 3.2 A 1.6 A
perational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  perational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 24 V rated value  — at 24 V rated value  — at 250 V rated value  — at 2600 V rated value  — at 440 V rated value  — at 24 V rated value  — at 24 V rated value  — at 24 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 110 V rated value  — at 220 V rated value	68 A 57 A  160 A 18 A 3.4 A 0.8 A 0.5 A  160 A 160 A 20 A 3.2 A 1.6 A  160 A 160 A
perational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  perational current  • at 1 current path at DC-1  — at 24 V rated value — at 110 V rated value — at 440 V rated value — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value — at 110 V rated value — at 110 V rated value — at 440 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 110 V rated value — at 24 V rated value — at 440 V rated value	68 A 57 A  160 A 18 A 3.4 A 0.8 A 0.5 A  160 A 160 A 20 A 3.2 A 1.6 A  160 A 160 A 160 A
experational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  experational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 110 V rated value  — at 220 V rated value  — at 600 V rated value  — at 440 V rated value  — at 440 V rated value  — at 600 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value	68 A 57 A  160 A 18 A 3.4 A 0.8 A 0.5 A  160 A 160 A 20 A 3.2 A 1.6 A  160 A 160 A 160 A
perational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  perational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 110 V rated value  — at 220 V rated value  — at 24 V rated value  — at 24 V rated value  — at 24 V rated value  — at 440 V rated value  — at 440 V rated value  — at 600 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value  — at 440 V rated value  — at 600 V rated value	68 A 57 A  160 A 18 A 3.4 A 0.8 A 0.5 A  160 A 160 A 20 A 3.2 A 1.6 A  160 A 160 A 160 A
experational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value — at 110 V rated value — at 440 V rated value — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 24 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value — at 110 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 1 current path at DC-3 at DC-5 — at 24 V rated value	68 A 57 A  160 A 18 A 3.4 A 0.8 A 0.5 A  160 A 160 A 20 A 3.2 A 1.6 A  160 A 160 A 160 A 160 A
operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value — at 110 V rated value — at 440 V rated value — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 24 V rated value — at 220 V rated value — at 24 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 110 V rated value — at 110 V rated value — at 110 V rated value — at 120 V rated value — at 120 V rated value — at 120 V rated value — at 110 V rated value — at 440 V rated value — at 440 V rated value — at 1 current path at DC-3 at DC-5 — at 24 V rated value — at 10 V rated value — at 110 V rated value	68 A 57 A  160 A 18 A 3.4 A 0.8 A 0.5 A  160 A 160 A 20 A 3.2 A 1.6 A  160 A 160 A 160 A
operational current for approx. 200000 operating cycles at AC-4         • at 400 V rated value         • at 690 V rated value         operational current         • at 1 current path at DC-1             — at 24 V rated value             — at 110 V rated value             — at 440 V rated value             — at 600 V rated value             — at 24 V rated value             — at 440 V rated value             — at 24 V rated value             — at 24 V rated value             — at 24 V rated value             — at 110 V rated value             — at 220 V rated value             — at 600 V rated value             — at 600 V rated value             — at 600 V rated value             — at 110 V rated value             — at 24 V rated value             — at 20 V rated value             — at 10 V rated value             — at 20 V rated value             — at 440 V rated value             — at 440 V rated value             — at 600 V rated value             — at 20 V rated value	68 A 57 A  160 A 18 A 3.4 A 0.8 A 0.5 A  160 A 160 A 20 A 3.2 A 1.6 A  160 A 160 A 160 A 160 A 160 A 160 A 160 A 11.5 A 4 A
operational current for approx. 200000 operating cycles at AC-4         • at 400 V rated value         • at 690 V rated value         • at 1 current path at DC-1             — at 24 V rated value             — at 110 V rated value             — at 220 V rated value             — at 440 V rated value             — at 600 V rated value             — at 600 V rated value             • with 2 current paths in series at DC-1             — at 24 V rated value             — at 110 V rated value             — at 220 V rated value             — at 240 V rated value             — at 240 V rated value             — at 440 V rated value             — at 600 V rated value             — at 24 V rated value             — at 240 V rated value	68 A 57 A  160 A 18 A 3.4 A 0.8 A 0.5 A  160 A 160 A 20 A 3.2 A 1.6 A  160 A 160 A 160 A 160 A

— at 110 V rated value	160 A
— at 220 V rated value	2.5 A
— at 440 V rated value	0.65 A
— at 600 V rated value	0.37 A
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	160 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	
<ul> <li>at AC-2 at 400 V rated value</li> </ul>	75 kW
• at AC-3	
— at 230 V rated value	50 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	50 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-	O NIT
4	
at 400 V rated value	38 kW
at 690 V rated value	55 kW
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 cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	1 831 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	1 300 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	850 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 60 s switching at zero current maximum	703 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at DC	1 000 1/h
operating frequency	
• at AC-1 maximum	800 1/h
• at AC-2 maximum	300 1/h
• at AC-3 maximum	750 1/h
• at AC-3e maximum	750 1/h
• at AC-2 at AC-3e maximum	300 1/h
• at AC-4 maximum	130 1/h
operating frequency	
• at DC-1 maximum	400 1/h
• at DC-3 maximum	350 1/h
• at DC-5 maximum	350 1/h
Ratings for railway applications	
thermal current (Ith) up to 690 V	
<ul> <li>up to 40 °C according to IEC 60077 rated value</li> </ul>	185 A
up to 70 °C according to IEC 60077 rated value	140 A
Control circuit/ Control	
type of voltage	DC
type of voltage of the control supply voltage	DC
control supply voltage at DC	
• rated value	24 V
operating range factor control supply voltage rated value of magnet coil at DC	
• initial value	0.7
• full-scale value	1.25
- Tall Coale Talae	

	0 4
consumed current at PLC-control input according to IEC 60947-1 maximum	2 mA
voltage at PLC-control input	24 110 V
design of the surge suppressor	with varistor
closing power of magnet coil at DC	320 W
holding power of magnet coil at DC	2.8 W
closing delay	2.0 **
• at DC	35 75 ms
opening delay	55 75 HIS
• at DC	80 90 ms
arcing time	10 15 ms
control version of the switch operating mechanism	PLC-IN or Standard A1 - A2 (adjustable)
Auxiliary circuit	1 20 in on orange and the factorial of
number of NC contacts for auxiliary contacts	2
instantaneous contact	2
number of NO contacts for auxiliary contacts	2
instantaneous contact	2
operational current at AC-12 maximum	2 10 A
operational current at AC-12 maximum	
• at 230 V rated value	6 A
at 400 V rated value	3 A
at 500 V rated value      at 500 V rated value	2 A
operational current at DC-12	4 N
• at 24 V rated value	10 A
at 24 V rated value      at 48 V rated value	6 A
at 60 V rated value     at 60 V rated value	6 A
at 110 V rated value      at 110 V rated value	3 A
at 110 V rated value      at 125 V rated value	2 A
at 125 V rated value     at 220 V rated value	1 A
	0.15 A
at 600 V rated value     approximal current at DC 13	0.10 A
operational current at DC-13  • at 24 V rated value	6.4
	6 A 2 A
at 48 V rated value     at 60 V rated value	
at 40 V rated value	2 A
at 110 V rated value     at 125 V rated value	1 A
at 125 V rated value     at 230 V rated value	0.9 A
at 220 V rated value     at 600 V rated value	0.3 A
at 600 V rated value  III (CSA ratings)	0.1 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	156 A
at 480 V rated value     at 600 V rated value	156 A
at 600 V rated value  violated masks pice I performance [bm]	144 A
yielded mechanical performance [hp]	
for single-phase AC motor     at 230 V retad value.	20 ha
— at 230 V rated value	30 hp
• for 3-phase AC motor	50 ha
— 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	
product function short circuit protection	No
design of the fuse link	
for short-circuit protection of the main circuit	0.000 1.000 1.000 1.00
— with type of coordination 1 required	gG: 355 A (690 V, 100 kA)
<ul> <li>— with type of assignment 2 required</li> </ul>	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA)
for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	90. 10 A (000 V, 1 M)
	with vortical mounting ourface 1/00° retatable with vertical recurting ourface
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
required spacing	
<ul> <li>with side-by-side mounting</li> </ul>	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
for grounded parts	
— forwards	20 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
• for live parts	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
for auxiliary and control circuit	spring-loaded terminals
width of connection bar	17 mm
thickness of connection bar	3 mm
diameter of holes	9 mm
number of holes	1
type of connectable conductor cross-sections for main contacts	
solid or stranded	2x (25 120 mm²)
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid	2x (0.25 2.5 mm²)
— solid or stranded	2x (0,25 2,5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.25 1.5 mm²)
finely stranded without core end processing	2x (0.25 2.5 mm²)
for 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	
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes
<ul> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	No
B10 value with high demand rate according to SN 31920	1 000 000
T1 value for proof test interval or service life according to IEC 61508	20 a
protection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover
Communication/ Protocol	
product function bus communication	No
Certificates/ approvals	



Confirmation





<u>KC</u>



EMC

Functional Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 



Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate

other Railway

<u>Confirmation</u> <u>Miscellaneous</u> <u>Miscellaneous</u> <u>Special Test Certific-</u> <u>Type Test Certific-</u> <u>Vibration and Shock ate</u> <u>ates/Test Report</u>

## 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=3RT1055-2XB46-0LA2

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1055-2XB46-0LA2

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1055-2XB46-0LA2

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

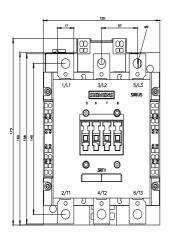
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1055-2XB46-0LA2&lang=en

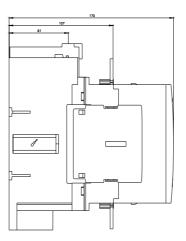
Characteristic: Tripping characteristics, I2t, Let-through current

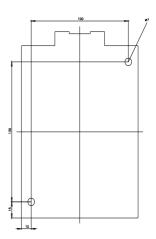
https://support.industry.siemens.com/cs/ww/en/ps/3RT1055-2XB46-0LA2/char

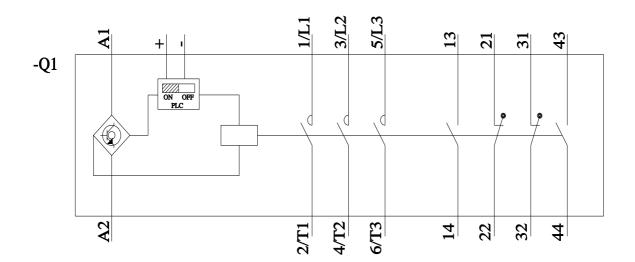
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1055-2XB46-0LA2&objecttype=14&gridview=view1









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