3RT1056-2XB46-0LA2

**Data sheet** 



Traction contactor, AC-3 185 A, 90 kW / 400 V Coil 24 V DC x (0.7-1.25) PLC input 24-110 V DC Auxiliary contacts 2 NO + 2 NC 3-pole size S6 Busbar connections Coil connection: Spring-type terminal

product brand name	SIRIUS
product designation	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>	39 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	13 W
without load current share typical	2.8 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	
<ul> <li>of main circuit rated value</li> </ul>	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 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 (switching cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
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 %
lain circuit	
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	
at AC-3 rated value maximum	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>	215 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C	215 A
rated value	213 A
— up to 690 V at ambient temperature 60 °C	185 A
rated value	
— up to 1000 V at ambient temperature 60 °C	100 A
rated value	
<ul> <li>at AC-2 at 400 V rated value</li> </ul>	185 A
• at AC-3	
— at 400 V rated value	185 A
— at 500 V rated value	185 A
— at 690 V rated value	170 A
— at 1000 V rated value	65 A
• at AC-3e	
— at 400 V rated value	185 A
— at 500 V rated value	185 A
— at 690 V rated value	170 A
— at 1000 V rated value	65 A
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	160 A
minimum cross-section in main circuit	
<ul> <li>at maximum AC-1 rated value</li> </ul>	95 mm²
<ul> <li>at maximum Ith rated value</li> </ul>	95 mm²
operational current for approx. 200000 operating	
cycles at AC-4	
<ul> <li>at 400 V rated value</li> </ul>	81 A
at 690 V rated value	65 A
operating power	
• at AC-2 at 400 V rated value	90 kW
• at AC-3	
— at 230 V rated value	61 kW
— at 400 V rated value	90 kW
— at 500 V rated value	132 kW
— at 690 V rated value	160 kW
— at 1000 V rated value	90 kW
• at AC-3e	
— at 230 V rated value	61 kW
— at 400 V rated value	90 kW
— at 500 V rated value	132 kW
— at 690 V rated value	160 kW
— at 1000 V rated value	90 kW
operating power for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	45 kW
at 690 V rated value	65 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>	2 900 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	2 084 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	1 480 A; Use minimum cross-section acc. to AC-1 rated value

limited to 20 a switching at your switching	OCO A. Haa minimum areas agatism and to AC 4 material value			
limited to 30 s switching at zero current maximum	968 A; Use minimum cross-section acc. to AC-1 rated value			
Iimited to 60 s switching at zero current maximum	801 A; Use minimum cross-section acc. to AC-1 rated value			
no-load switching frequency	4 000 4 11			
• at DC	1 000 1/h			
operating frequency				
• at AC-1 maximum	800 1/h			
• at AC-2 maximum	300 1/h			
<ul><li>at AC-3 maximum</li></ul>	750 1/h			
<ul> <li>at AC-3e maximum</li> </ul>	750 1/h			
<ul> <li>at AC-2 at AC-3e maximum</li> </ul>	300 1/h			
at AC-4 maximum	130 1/h			
operating frequency				
<ul> <li>at DC-1 maximum</li> </ul>	400 1/h			
<ul> <li>at DC-3 maximum</li> </ul>	350 1/h			
<ul> <li>at DC-5 maximum</li> </ul>	350 1/h			
Ratings for railway applications				
thermal current (Ith) up to 690 V				
• up to 40 °C according to IEC 60077 rated value	215 A			
• up to 70 °C according to IEC 60077 rated value	145 A			
Control circuit/ Control				
	DC			
type of voltage type of voltage of the control supply voltage	DC			
control supply voltage at DC  • rated value	24 V			
consumed current at PLC-control input according to IEC 60947-1 maximum	2 mA			
voltage at PLC-control input 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			
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				
• at DC	35 75 ms			
opening delay				
• 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 LO IIT OF Old Florid AT 1 - 7/2 (adjustable)			
	2			
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	10 A			
operational current at AC-15				
<ul> <li>at 230 V rated value</li> </ul>	6 A			
<ul> <li>at 400 V rated value</li> </ul>	3 A			
at 500 V rated value	2 A			
operational current at DC-12				
<ul><li>at 24 V rated value</li></ul>	10 A			
● at 48 V rated value	6 A			
<ul><li>at 60 V rated value</li></ul>	6 A			
<ul><li>at 110 V rated value</li></ul>	3 A			
<ul><li>at 125 V rated value</li></ul>	2 A			
<ul> <li>at 220 V rated value</li> </ul>	1 A			
• at 600 V rated value	0.15 A			
operational current at DC-13				
at 24 V rated value	6 A			

• at 69 V rated value • at 10 V rated value • at 11 10 V rated value • at 12 V rated value • at 220 V rated value • at 600 V rated value • or 3 v rated value • or 3 v rated value • or 5 v rated value • or 6 v rated value • or 7 v rated value • or 7 v rated value • or 8 v rated value • or		
1 110 V rated value	at 48 V rated value	2 A
• at 128 V rated value		
• at 220 V rated value		
• at 800 V rated value	<ul> <li>at 125 V rated value</li> </ul>	
Tull-odd current (FLA) for 3-phase AC motor  of 48 07 v Tated value  of 60 07 v Tated value  of 50 07 v Tated value  of 50 single-phase AC motor  —a 1200 v Tated value  of 3-phase AC motor  —a 1200 v Tated value  of 3-phase AC motor  —a 1200 v Tated value  of 3-phase AC motor  —a 1200 v Tated value  of 3-phase AC motor  —a 1200 v Tated value  of 60 hp  —at 200 v Tated value  of 60 hp  —at 200 v Tated value  of 60 hp  —at 200 v Tated value  of 90 hp  A600 v G800  No  design of the fuse link  of short-circuit protection of the main circuit  —with type of coordination 1 required  with vertical mounting surface +>00° rotatable, with vertical mounting  surface +> 22.5° till sable to the front and back  screw bxing  yes  height  vitati  120 mm  required spacing  with side-by-side mounting  of the side  of organumed parts  — (nowards  — upwards  — ownwards  — ownwa	<ul> <li>at 220 V rated value</li> </ul>	
Tull-load current (FLA) for 3-phase AC motor	at 600 V rated value	0.1 A
at 480 V rated value	UL/CSA ratings	
• at 600 V rated value   192 A	full-load current (FLA) for 3-phase AC motor	
yiolded mechanical performance [hp]  • for single-phase AC motor — at 200208 V rated value • for 3-phase AC motor — at 200208 V rated value — at 460480 V rated value — at 475600 V rated value — at 675600 V rated value — with type of coordination 1 required — with type of coordination 1 required — with type of coordination 1 required — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  Installation/mounting/ dimensions  mounting position  fastening method • side-by-side mounting • side-by-side mounting • with side-by-side mounting — forwards — upwards — downwards — 10 mm — for grounded parts — forwards — at the side • of grounded parts — forwards — at the side — downwards • for live parts — forwards — upwards — the side — downwards 10 mm — forwards — onwards — 10 mm — forwards — onwards — 10 mm — forwards — 10 mm — forwards — the side — downwards — 10 mm — forwards — the side — downwards — 10 mm — forwards — the side — downwards — 10 mm — forwards — the side — downwards — the side — downwards — the side — downwards — the side — forwards — onwards — to mm — forwards — onwards — to mm — forwards — onwards — to mm — the side — downwards — the side — downwards — the side — forwards — on mm — on the side — on mm — on	<ul> <li>at 480 V rated value</li> </ul>	180 A
	at 600 V rated value	192 A
• for 3-phase AC motor  - at 200/208 V rated value - at 200/208 V rated value - at 200/208 V rated value - at 400/800 V rated value - at 400/800 V rated value - at 575/600 V rated value - at 60/80 V rated value - at 675/600 V rated value - at 6800 V rated value -	yielded mechanical performance [hp]	
	<ul> <li>for single-phase AC motor</li> </ul>	
	— at 230 V rated value	230 hp
at 220/230 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rated value 200 hp at 575/600 V rated value 200 hp	<ul> <li>for 3-phase AC motor</li> </ul>	
at 480/480 V rated value 200 hp 20	<ul> <li>at 200/208 V rated value</li> </ul>	60 hp
- at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection  product function short circuit protection design of the fuse link	— at 220/230 V rated value	75 hp
contact rating of auxiliary contacts according to UL  Short-circuit protection  product function short circuit protection  of in short-circuit protection of the main circuit  —with type of coordination 1 required —with type of assignment 2 required  (415 V, 50 kA)  • for short-circuit protection of the auxiliary switch required  —with type of assignment 2 required  (415 V, 50 kA)  • for short-circuit protection of the auxiliary switch required  Installation mounting/ dimensions  mounting position  mounting position  fastening method • side-by-side mounting  height  172 mm  width  depth  required spacing  • with side-by-side mounting —forwards — upwards — upwards — at the side — downwards — to rewards — upwards — to rowards — to rowards — upwards — to rowards — upwards — to rowards — to rowards — upwards — to rowards	— at 460/480 V rated value	150 hp
Short-circuit protection   Product function short circuit protection   design of the fuse link	— at 575/600 V rated value	200 hp
Short-circuit protection   Product function short circuit protection   design of the fuse link	contact rating of auxiliary contacts according to UL	A600 / Q600
product function short circuit protection design of the fuse link		
design of the fuse link		No
• for short-circuit protection of the main circuit  — with type of coordination 1 required — with type of assignment 2 required — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required surface of the form of the auxiliary switch required surface of the form of the		
- with type of coordination 1 required     - with type of assignment 2 required     - with type of assignment 2 required     - with type of assignment 2 required     - for short-circuit protection of the auxiliary switch required     - with vertical mounting with required    Installation/ mounting/ dimensions		
- with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  statilation/ mounting/ dimensions  mounting position  surface +/- 90" rotatable, with vertical mounting surface +/- 90" rotatabl		aG: 355 A (690 V. 100 kA)
• for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90* rotatable, with vertical m		,
Installation/ mounting/ dimensions  mounting position with vertical mounting surface +/-90* rotatable, with vertical mounting surface +/-90.* rotatable, with vertical mounting surface +/-92.5* tiltable to the front and back  fastening method scide-by-side mounting Yes height 172 mm width 120 mm  depth 170 mm  required spacing  • with side-by-side mounting  — forwards 20 mm — upwards 10 mm — downwards 10 mm  • for grounded parts — for grounded parts — at the side 10 mm  • for wards 20 mm  • upwards 10 mm • for ilive parts — forwards 20 mm — at the side 10 mm  • for live parts — forwards 20 mm — at the side 10 mm  • for live parts — forwards 20 mm — at the side 10 mm  • for main current circuit screw-type terminals  * type of electrical connection • for main current circuit spring-loaded terminals width of connection bar 17 mm thickness of connection bar 3 mm diameter of holes		(415 V, 50 kA)
mounting position with vertical mounting surface +/- 90° rotatable, with vertical mounting +/- 90° rotatable, with vertical mounting +/- 90° rota	<ul> <li>for short-circuit protection of the auxiliary switch</li> </ul>	gG: 10 A (500 V, 1 kA)
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         0           • with side-by-side mounting         0           — forwards         20 mm           — upwards         10 mm           — downwards         10 mm           — at the side         10 mm           — ownerds         20 mm           — upwards         10 mm           — for live parts         10 mm           — for live parts         20 mm           — for live parts         10 mm           — downwards         10 mm           — downwards         10 mm           — downwards         10 mm           — at the side         10 mm           — for live parts         20 mm           — upwards         10 mm           — for live parts         20 mm           — upwards         10 mm           — for live parts         20 mm           — for live p	required	
fastening method	Installation/ mounting/ dimensions	
fastening method       screw fixing         ● side-by-side mounting       Yes         height       172 mm         width       120 mm         depth       170 mm         required spacing       170 mm         ● with side-by-side mounting       0 mm         — forwards       20 mm         — upwards       10 mm         — downwards       10 mm         — at the side       10 mm         — at the side       10 mm         — at the side       10 mm         — downwards       10 mm         ● for live parts       20 mm         — upwards       10 mm         — downwards       10 mm         — at the side       10 mm         Connections/ Terminals       10 mm         type of electrical connection       screw-type terminals         type of electrical connection       screw-type terminals         width of connection bar       17 mm         thickness of connection bar       3 mm         diameter of holes       9 mm	mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting
e side-by-side mounting  height  width  120 mm  depth  170 mm  required spacing  • with side-by-side mounting  — forwards — upwards — downwards — at the side  • for grounded parts — forwards — upwards — upwards — at the side  • for grounded parts — forwards — at the side — to mm — at the side — downwards — at the side — to mm  • for live parts — forwards — upwards — upwards — to mm  • for live parts — forwards — upwards — upwards — to mm  • for live parts — forwards — upwards — to mm  • for mix current circuit — of mrain current circuit • for main current circuit • for auxiliary and control circuit  width of connection bar thickness of connection bar diameter of holes  9 mm	factoring weath ad	
height width 120 mm depth 170 mm  required spacing  • with side-by-side mounting — forwards 20 mm — upwards 10 mm — at the side 10 mm  • for grounded parts — forwards 20 mm — upwards 10 mm — at the side 10 mm  • for grounded parts — forwards 10 mm — at the side 10 mm — at the side 10 mm  • for live parts — forwards 10 mm  • for live parts — forwards 20 mm — upwards 10 mm  • for live parts — forwards 20 mm  — at the side 10 mm  • for live parts — forwards 10 mm  • for live parts — forwards 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 thickness of connection 5 mm  diameter of holes 9 mm	_	
width 120 mm  depth 170 mm  required spacing  with side-by-side mounting  — forwards 20 mm  — upwards 10 mm  — at the side 10 mm  for grounded parts  — forwards 20 mm  — upwards 10 mm  — at the side 10 mm  — downwards 10 mm  — forwards 20 mm  — downwards 10 mm  — to for live parts  — forwards 20 mm  — upwards 10 mm  — to mm  — to main current circuit screw-type terminals  type of electrical connection  — for auxiliary and control circuit spring-loaded terminals  width of connection bar 17 mm  thickness of connection bar 3 mm  diameter of holes		
depth     170 mm       required spacing <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>10 mm</li> <li>downwards</li> <li>10 mm</li> </ul> - 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             20 mm                - forwards             20 mm                - upwards             10 mm                - downwards             10 mm                - at the side             10 mm                - at the side             10 mm                - or main current circuit             screw-type terminals                type of electrical connection             screw-type terminals                • for main current circuit             spring-loaded terminals                width of connection bar             17 mm                     thickness of connection bar             3 mm                     quantification             9 mm		
required spacing  • with side-by-side mounting  — forwards — upwards — downwards — at the side 10 mm  • for grounded parts — forwards — upwards — upwards — upwards — upwards — at the side 10 mm — at the side — downwards — 10 mm — of or live parts — forwards — upwards — upwards 10 mm  • for live parts — forwards — upwards — upwards — 10 mm  • for live parts  — forwards — upwards — upwards — upwards — upwards — to mm  Connections/ Terminals  type of electrical connection • for main current circuit • for auxiliary and control circuit  width of connection bar  thickness of connection bar  diameter of holes  20 mm  10 mm  csrew-type terminals  17 mm  thickness of connection bar  3 mm  diameter of holes		
with side-by-side mounting     — forwards     — upwards     — upwards     — downwards     — at the side     • for grounded parts     — forwards     — upwards     — upwards     — upwards     — at the side     — downwards     — at the side     — downwards     — at the side     — downwards     — for live parts     — for wards     — upwards     — upwards     — upwards     — to mm     — downwards     — to mm     — at the side     — upwards     — upwards     — upwards     — upwards     — upwards     — upwards     — to mm     — downwards     — to mm     — downwards     — of or main current circuit     • for main current circuit     • for auxiliary and control circuit     • for auxiliary and control circuit     * for onnection bar     thickness of connection bar     diameter of holes		170 mm
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 at the side 10 mm at the side 10 mm downwards 10 mm downwards 10 mm for live parts forwards 20 mm upwards 10 mm for wards 10 mm upwards 10 mm upwards 10 mm at the side 10 mm at the side 10 mm at the side 50 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 - at the side 10 mm - at the side 10 mm - downwards 10 mm • for live parts - forwards 20 mm - upwards 10 mm - at the side 10 mm  • for live parts - forwards 20 mm - upwards 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		00
- downwards 10 mm - at the side 10 mm  • for grounded parts		
- at the side		
for grounded parts         — forwards         — upwards         — at the side         — downwards         — for live parts         — forwards         — forwards         — forwards         — upwards         — upwards         — upwards         — upwards         — upwards         — downwards         — at the side         — at the side         — at the side         — onections/ Terminals  type of electrical connection         — for main current circuit         — for auxiliary and control circuit  width of connection bar thickness of connection bar diameter of holes  9 mm		
— forwards 20 mm — upwards 10 mm — at the side 10 mm — downwards 10 mm  • for live parts — forwards 20 mm — upwards 10 mm — upwards 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		10 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		00
- 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		
- downwards  • for live parts  - forwards  - upwards  - upwards  - downwards  - at the side  Connections/ Terminals  type of electrical connection  • for main current circuit  • for auxiliary and control circuit  width of connection bar  thickness of connection bar  diameter of holes  10 mm  10 mm  20 mm  20 mm  20 mm  30 mm  20 mm  40 mm  50 mm  50 mm  50 mm  60 mm  60 mm  60 mm  60 mm  60 mm  70 mm	•	
<ul> <li>for live parts</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>10 mm</li> <li>at the side</li> <li>10 mm</li> <li>Connections/ Terminals</li> <li>type of electrical connection</li> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>width of connection bar</li> <li>thickness of connection bar</li> <li>diameter of holes</li> <li>20 mm</li> <li>screw-type terminals</li> <li>spring-loaded terminals</li> <li>3 mm</li> <li>diameter of holes</li> <li>9 mm</li> </ul>		
- 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		10 mm
<ul> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>10 mm</li> <li>Connections/ Terminals</li> <li>type of electrical connection         <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>spring-loaded terminals</li> </ul> </li> <li>width of connection bar</li> <li>thickness of connection bar</li> <li>diameter of holes</li> <li>10 mm</li> <li>screw-type terminals</li> <li>spring-loaded terminals</li> <li>3 mm</li> <li>mm</li> <li>mm</li> </ul>	·	
- downwards - at the side 10 mm  Connections/ Terminals  type of electrical connection		
— at the side 10 mm  Connections/ Terminals  type of electrical connection	•	
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		
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		10 mm
<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>width of connection bar</li> <li>thickness of connection bar</li> <li>diameter of holes</li> <li>screw-type terminals</li> <li>spring-loaded terminals</li> <li>17 mm</li> <li>3 mm</li> <li>9 mm</li> </ul>		
● 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		
width of connection bar17 mmthickness of connection bar3 mmdiameter of holes9 mm		
thickness of connection bar 3 mm diameter of holes 9 mm		
diameter of holes 9 mm		
number of holes 1		
	number of holes	1

2x (25 120 mm²)
4 250 kcmil
2x (0.25 2.5 mm²)
2x (0,25 2,5 mm²)
2x (0.25 1.5 mm²)
2x (0.25 2.5 mm²)
2x (24 14)
24 14
Yes
No
1 000 000
IP00; IP20 with box terminal/cover
finger-safe, for vertical contact from the front with box terminal/cover
No



**General Product Approval** 



Confirmation



<u>KC</u>



|--|



Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate

other			Railway	
<u>Miscellaneous</u>	Confirmation	Miscellaneous	Type Test Certificates/Test Report	Special Test Certific- ate

## Further information

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1056-2XB46-0LA2

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1056-2XB46-0LA2

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1056-2XB46-0LA2

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1056-2XB46-0LA2&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1056-2XB46-0LA2&lang=en</a>

Characteristic: Tripping characteristics, I²t, Let-through current <a href="https://support.industry.siemens.com/cs/ww/en/ps/3RT1056-2XB46-0LA2/char">https://support.industry.siemens.com/cs/ww/en/ps/3RT1056-2XB46-0LA2/char</a>
Further characteristics (e.g. electrical endurance, switching frequency)
<a href="http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1056-2XB46-0LA2&objecttype=14&gridview=view1">http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1056-2XB46-0LA2&objecttype=14&gridview=view1</a>

last modified: 3/26/2022 **©**