# SIEMENS

#### Data sheet

### 3RT1064-6NP36



power contactor, AC-3e/AC-3 225 A, 110 kW / 400 V AC (50-60 Hz) / DC Uc: 200-277 V PLC input 24 V DC 3-pole, auxiliary contacts 2 NO + 2 NC drive: electronic 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	S10
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>	51 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	17 W
<ul> <li>without load current share typical</li> </ul>	3.4 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	1 000 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	500 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	8 kV
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
maximum permissible voltage for 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)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7
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	
Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
<ul> <li>at AC-3 rated value maximum</li> </ul>	1 000 V
• 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</li> </ul>	275 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	275 A
— up to 690 V at ambient temperature 60 °C rated value	250 A
— up to 1000 V at ambient temperature 40 $^\circ \text{C}$ rated value	100 A
— up to 1000 V at ambient temperature 60 °C rated value	100 A
• at AC-3	
— at 400 V rated value	225 A
— at 500 V rated value	225 A
— at 690 V rated value	225 A
— at 1000 V rated value	68 A
● at AC-3e	
— at 400 V rated value	225 A
— at 500 V rated value	225 A
— at 690 V rated value	225 A
— at 1000 V rated value	68 A
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	195 A
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	242 A
<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	186 A
• at AC-6a	
<ul> <li>— up to 230 V for current peak value n=20 rated value</li> </ul>	225 A
<ul> <li>— up to 400 V for current peak value n=20 rated value</li> </ul>	225 A
<ul> <li>— up to 500 V for current peak value n=20 rated value</li> </ul>	225 A
<ul> <li>— up to 690 V for current peak value n=20 rated value</li> </ul>	225 A
<ul> <li>— up to 1000 V for current peak value n=20 rated value</li> </ul>	68 A
● at AC-6a	
<ul> <li>— up to 230 V for current peak value n=30 rated value</li> </ul>	172 A
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	172 A
<ul> <li>— up to 500 V for current peak value n=30 rated value</li> </ul>	172 A
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	172 A
<ul> <li>— up to 1000 V for current peak value n=30 rated value</li> </ul>	68 A
minimum cross-section in main circuit at maximum AC-1 rated value	150 mm²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	96 A
at 690 V rated value	85 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	200 A
— at 60 V rated value	200 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
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	200 A

— at 60 V rated value	200 A
— at 110 V rated value	200 A
— at 220 V rated value	20 A
— at 440 V rated value	3.2 A
— at 600 V rated value	1.6 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	200 A
— at 60 V rated value	200 A
— at 110 V rated value	200 A
— at 220 V rated value	200 A
— at 440 V rated value	11 A
— at 600 V rated value	4 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	200 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
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	200 A
— at 60 V rated value	200 A
— at 110 V rated value	200 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	200 A
— at 60 V rated value	200 A
— at 110 V rated value	200 A
— at 220 V rated value	200 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	55 kW
— at 400 V rated value	110 kW
— at 500 V rated value	160 kW
— at 690 V rated value	200 kW
— at 1000 V rated value	90 kW
• at AC-3e	EE IVAN
- at 230 V rated value	55 kW
- at 400 V rated value	110 kW
— at 500 V rated value — at 690 V rated value	160 kW 200 kW
— at 1000 V rated value	90 kW
operating power for approx. 200000 operating cycles at AC-	50 KW
4	
• at 400 V rated value	54 kW
• at 690 V rated value	82 kW
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	90 000 kVA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	150 000 VA
• up to 500 V for current peak value n=20 rated value	190 000 VA
• up to 690 V for current peak value n=20 rated value	260 000 VA
• up to 1000 V for current peak value n=20 rated value	110 000 VA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	60 000 VA
• up to 400 V for current peak value n=30 rated value	110 000 VA
• up to 500 V for current peak value n=30 rated value	140 000 VA
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	200 000 VA
<ul> <li>up to 1000 V for current peak value n=30 rated value</li> </ul>	110 000 VA

short-time withstand current in cold operating state up to 40 °C				
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	4 000 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	2 807 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	2 082 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	1 397 A; Use minimum cross-section acc. to AC-1 rated value			
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	1 144 A; Use minimum cross-section acc. to AC-1 rated value			
no-load switching frequency				
• at AC	1 000 1/h			
• at DC	1 000 1/h			
operating frequency				
• at AC-1 maximum	750 1/h			
• at AC-2 maximum	250 1/h			
• at AC-3 maximum	500 1/h			
• at AC-3e maximum	500 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	200 277 V			
at 60 Hz rated value	200 277 V			
control supply voltage at DC				
rated value	200 277 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			
type of PLC-control input according to IEC 60947-1	Туре 2			
consumed current at PLC-control input according to IEC 60947-1 maximum	20 mA			
voltage at PLC-control input rated value	24 V			
operating range factor of the voltage at PLC-control input	0.8 1.1			
design of the surge suppressor	with varistor			
apparent pick-up power				
<ul> <li>at minimum rated control supply voltage at AC</li> </ul>				
— at 50 Hz	400 VA			
— at 60 Hz	400 VA			
<ul> <li>at maximum rated control supply voltage at AC</li> </ul>				
— at 60 Hz	530 VA			
— at 50 Hz	530 VA			
apparent pick-up power of magnet coil at AC				
• at 50 Hz	530 VA			
• at 60 Hz	530 VA			
inductive power factor with closing power of the coil				
• at 50 Hz	0.8			
• at 60 Hz	0.8			
apparent holding power				
at minimum rated control supply voltage at DC	2.8 VA			
at maximum rated control supply voltage at DC	3.4 VA			
apparent holding power				
at minimum rated control supply voltage at AC				
— at 50 Hz	5.5 VA			
— at 60 Hz	5.5 VA			
at maximum rated control supply voltage at AC				
— at 50 Hz	8.5 VA			
— at 60 Hz	8.5 VA			
apparent holding power of magnet coil at AC				
• at 50 Hz	8.5 VA			

• at 60 Hz	8.5 VA		
inductive power factor with the holding power of the coil			
• at 50 Hz	0.5		
• at 60 Hz	0.4		
closing power of magnet coil at DC	580 W		
holding power of magnet coil at DC	3.4 W		
closing delay			
• at AC	45 80 ms		
• at DC	45 80 ms		
opening delay			
• at AC	80 100 ms		
• at DC	80 100 ms		
arcing time	10 15 ms		
control version of the switch operating mechanism	PLC-IN or Standard A1 - A2 (adjustable)		
Auxiliary circuit	· _ · · · · · · · · · · · · · · · · · ·		
number of NC contacts for auxiliary contacts instantaneous	2		
contact	-		
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	1A		
operational current at DC-12			
at 24 V rated value	10 A		
<ul> <li>at 48 V rated value</li> </ul>	6 A		
<ul> <li>at 60 V rated value</li> </ul>	6 A		
at 110 V rated value	3 A		
at 125 V rated value	2 A		
at 220 V rated value	1A		
at 600 V rated value	0.15 A		
operational current at DC-13	0.1071		
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	180 A		
• at 600 V rated value	192 A		
yielded mechanical performance [hp]			
<ul> <li>for 3-phase AC motor</li> </ul>			
— at 200/208 V rated value	60 hp		
— at 220/230 V rated value	75 hp		
— at 460/480 V rated value	150 hp		
— at 575/600 V rated value	200 hp		
contact rating of auxiliary contacts according to UL	A600 / Q600		
Short-circuit protection			
design of the fuse link			
<ul> <li>for short-circuit protection of the main circuit</li> </ul>			
- with type of coordination 1 required	gG: 500 A (690 V, 100 kA)		
— with type of assignment 2 required	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)		
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions	gG: 10 A (500 V, 1 kA)		

festening method     screw fixing       • elsipht     210 mm       width     145 mm       depth     202 mm       required spacing     0 mm       • with side-by-side mounting     202 mm       • with side-by-side mounting     0 mm       - downwards     10 mm	mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface			
• side by side mountingVesheight210 mmdepth202 mmdepth202 mmevent side-by-side mounting20 mm- upwords10 mm- upwords10 mm- upwords10 mm- downwords10 mm- downwords10 mm- upwords10 mm- downwords10 mm- downwords70 - 20 mm- downwords70 - 20 mm- downwords11 mm- downwords10 mm- downwords10 mm- downwords	factoring mothed	+/- 22.5° tiltable to the front and back			
height20 nmwidth145 mmdepth202 nmrequired spacing20 nm- forwards20 nm- forwards10 mm- downards0 nm- downards10 mm- downards10		с. С			
width         445 mm           depth         202 mm           equind spacing         202 mm           • with side-by-side mounting         207 mm           - forwards         10 mm           - downwards         10 mm           - downwards         20 mm           - downwards         10 mm           - downwards         10 mm           - downwards         20 mm           - downwards         10 mm           - downwards					
depth         202 mm           required spacing					
required spacing         20 mm           - low works         20 mm           - upwards         10 mm           - upwards         10 mm           - downwards         0 mm           - at the side         0 mm           - for younds parts         20 mm           - for younds parts         20 mm           - for younds         10 mm           - at the side         20 mm           - downwards         10 mm           - downwards         20 mm           - for walliary contacts         Screw-type terminals           - for main current circuit         Screw-type terminals           - of or auxiliary contacts         Screw-type terminals           - of and for auxiliary contacts         Screw-type terminals           - of and for auxiliary contacts         Screw-type terminals           - of anototchor cross-section for auxiliary contacts         Sco					
• with side-by-side mounting20 mm- forwards10 mm- upwards10 mm- downwards0 mm- downwards0 mm- for grounded parts20 mm- upwards10 mm- upwards10 mm- upwards10 mm- upwards10 mm- upwards10 mm- downwards10 mm- downwards20 mmComection for auxiliary contactsScrew-type terminals- of ranal not encluit5 mm- of razoliary and control circuitScrew-type terminals- of auxiliary contacts70 _ 240 mm²- enclubie conductor cross-section for auxiliary contacts11 mm- solid or standed0.5 _ 2.5 mm²- solid or standed25 5.5 mm², 2x (0.75 2.5 mm², max. 2x (0.75 4 mm²- inditiary contacts2x (0.5 1.5 mm²), 2x (0.75 4.5 mm²	•	202 mm			
- forwards20 mm- upwards10 mm- upwards0 mm- at the side0 mm- for grounded parts20 mm- forwards20 mm- upwards10 mm- upwards10 mm- downwards20 mm- downwards20 mm- downwards10 mm- downwards20 mm- downwards10 mm- downwards20 mm- downards5 crew-kype terminals- downards11 mm- downards11 mm- downards10 mm <sup>2</sup> - downards5 crew-kype terminals- downards5 crew-kype terminals- downards10 mm <sup>2</sup> - downards10 mm <sup>2</sup> - downards10 mm <sup>2</sup> - downards5 crew-kype terminals- downards10 mm <sup>2</sup> - downards10 mm <sup>2</sup> - downards10 mm <sup>2</sup> - downards10 mm					
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- downwards10 mm- at the side0 mm- for grunded parts20 mm- forwards20 mm- upwards10 mm- upwards10 mm- downwards00 mm- for live parts20 mm- forwards20 mm- upwards10 mm- downwards10 mm- downwards10 mm- downwards00 mm- downwards00 mm- downwards00 mm- downwards00 mm- downwards00 mm- downwards00 mm- downwards20 mm- downwards00 mm- downardsScrew-type terminals- downards0 mm- downards <t< td=""><td></td><td></td></t<>					
at the side0 mm•- for younded parts (owards20 mm upwards10 mm upwards10 mm downwards10 mm downwards10 mm forwards20 mm upwards10 mm upwards10 mm upwards10 mm upwards10 mm upwards0 formaling uncent circuit or unitiany and control circuitScrew-type terminals or unitiany contacts	-				
• for grounded partsUm- forwards20 mm- forwards10 mm- at the side10 mm- downwards00 mm• for ive parts20 mm- forwards20 mm- forwards10 mm- upwards10 mm- upwards10 mm- upwards10 mm- downwards00 mm- downwards50 mm- forwards50 mm- downwards00 mm- downwards50 mm- downards50 mm- downards50 mm- downards50 mm- downards10 mm- downards50 mm- solid or stranded50 mm- solid or stranded20 (05 mm) max. 20 (07 m					
-     forwards     20 mm       -     upwards     10 mm       -     upwards     10 mm       -     downwards     10 mm       -     for live parts     20 mm       -     upwards     10 mm       -     the side     10 mm       -     the side     10 mm       -     the side     0 mm		0 mm			
upwards10 mm of wards10 mm of wards20 mm forwards20 mm of wards10 mm of main current circuit0 mm of main current circuitconnection bar of main current circuitconnection bar of main current circuitcornection bar of main current circuitcornection bar of magnet coliScrew-type terminals onnection bar		20 mm			
- a the side10 mm- downwards10 mm• for live parts20 mm- upwards20 mm- upwards10 mm- downwards10 mm- downwards10 mm- downwards10 mm- downwards10 mm- downwards00 mm- downwards10 mm- downwards10 mm- downwards00 mm- for anic normet circuit00 mm- for anic normet circuit00 mm- downwards00 mm- downwards00 mm- downards00 mm- downards00 mm- downards00 mm- downards10 mm- downards00 mm<					
- downwards10 mm• for lve parts20 mm- downwards20 mm- downwards10 mm- downwards10 mm- downwards10 mm- dt he side0 mmconnections/ TerminalsScrew-type terminalstype of electrical connectionScrew-type terminalsof rad sublary and control circuitScrew-type terminalsof angant collScrew-type terminalsof angant collScrew-type terminalswith of connection bar25 mmdiameter of holes11 mmnumber of holes1connectable conductor cross-section for main contactsNo• stranded0.525 mm <sup>2</sup> • for auxiliary contactsScrew-type terminals• for auxiliary contacts <td< td=""><td>•</td><td></td></td<>	•				
• for live parts- forwards20 mm- upwards10 mm- downwards10 mm- at the side10 mm- at the side10 mm <b>Connections/Terminals</b> Connection bar• for main current circuitConnection bar• for auxiliary and control circuitScrew-type terminals• of magnet collScrew-type terminals• of magnet coll11 mm <b>number of holes</b> 11 nm• stranded0.5 4 mm²• stranded0.5 4 mm²• for auxiliary contacts0.5 4 mm²• for auxiliary contacts0.5 4 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)• stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)• solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)• solid or stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)• for auxiliary contacts18 14Screw-type transle100 000• miror contact according to IEC 60947-51No• miror contact according to IEC 60947-51 <td></td> <td></td>					
forwards20 mm upwards10 mm downwards10 mm downwards0 mm for main current circuitConnection bar for main current circuitConnection bar downwards25 mm downwards25 mm downwards1 mmunthor of holes1 connectable conductor cross-section for main contacts		10 mm			
- upwards10 mm- downwards10 mm- at the side10 mmConnection Terminalsfor main current circuitConnection barof main current circuitscrew-type terminalsof anginet colScrew-type terminalsof anginet collScrew-type terminalswidth of connection bar6 mmdiameter of holes11 mmnumber of holes11 mmconnectable conductor cross-section for main contacts70 240 mm²of anginet coll0.5 4 mm²of anginet coll0.5 4 mm²of anginet coll0.5 2.5 mm³diameter of holes1connectable conductor cross-section for main contacts70 240 mm²of anginet coll0.5 4 mm²of anginet coll0.5 2.5 mm³type of connectable conductor cross-sections0.5 2.5 mm³of auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) solid2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) for auxiliary contacts18 14Steptorentated data10 14Steptorentated data100 000 for auxiliary contacts100 000 for auxiliary contact according to IEC 60947-5-1Nosuitability for use safely-related switching OFFNoB10 value with high demand rate according to IEC 60947-51NoB10 value with high demand	•	20 mm			
	•				
Connections/ Terminals           type of electrical connection         Connection bar           • for main current circuit         connection bar           • for auxiliary contacts         Screw-type terminals           • of magnet coil         Screw-type terminals           width of connection bar         Emm           diameter of holes         11 mm           number of holes         11 mm           connectable conductor cross-section for main contacts         -           • stranded         0.5 4 mm²           connectable conductor cross-section for auxiliary contacts         0.5 4 mm²           • stranded         0.5 4 mm²           finely stranded with core end processing         0.5 2.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)           - solid         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)           - 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)           - for auxiliary contacts         18 14           AWG number as coded connectable conductor cross section         18 14           Safety related data         10000 000					
type of electrical connection         Connection bar           • for main current circuit         Connection bar           • for auxiliary and control circuit         Screw-type terminals           • at contactor for auxiliary contacts         Screw-type terminals           • of magnet coil         Screw-type terminals           width of connection bar         25 mm           filteress of connection bar         6 mm           diameter of holes         11 mm           number of holes         1           connectable conductor cross-section for main contacts         5 4 mm²           • standed         70 240 mm²           connectable conductor cross-section for auxiliary contacts         0.5 4 mm²           • finely stranded with core end processing         0.5 2.5 mm³), 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)           - 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         2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)           • for AWG cables for auxiliary contacts         2x (20 1.5 mm²), 2x (0.75 2.5 mm²)           • for AWG cables for auxiliary contacts         2x (20 1.6 m²), 2x (0.75 2.5 mm²)           • for AWG cables f		10 mm			
nConnection bar• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals• of magnet collScrew-type terminalswidth of connection bar25 mmthickness of connection bar6 mmdiameter of holes1 1 mmnumber of holes1connectable conductor cross-section for auxiliary contacts0.5 240 mm²• stranded70 240 mm²connectable conductor cross-section for auxiliary contacts0.5 4 mm²• sitical or stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)• solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)• solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)• solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)• finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)• for AWG cables for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)• for auxiliary contacts18 14Sector18 14setty related dataYes• positively drive operation according to IEC 60947-5-1No• suitability for use safety-related switching OFFNo• suitability for use safety-related switching OFFNo• suitability for use safety-related switching OFFNo• travel with high d					
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• for auxiliary contacts       18 14         Safety 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         touch protection on the front according to IEC 60529					
Safety 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         touch protection on the front according to IEC 60529		18 14			
product function       Yes         • mirror contact according to IEC 60947-4-1       Yes         • positively driven operation according to IEC 60947-5-1       No         suitability for use safety-related switching OFF       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 60529       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					
<ul> <li>mirror contact according to IEC 60947-4-1</li> <li>Positively driven operation according to IEC 60947-5-1</li> <li>No</li> <li>suitability for use safety-related switching OFF</li> <li>No</li> <li>B10 value with high demand rate according to SN 31920</li> <li>1 000 000</li> <li>T1 value for proof test interval or service life according to IEC 60529</li> <li>IP00; IP20 with box terminal/cover</li> <li>finger-safe, for vertical contact from the front with box terminal/cover</li> </ul>					
Positively driven operation according to IEC 60947-5-1 No Suitability for use safety-related switching OFF 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 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	-	Yes			
suitability for use safety-related switching OFF       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       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	-				
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					
T1 value for proof test interval or service life according to IEC       20 a         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					
61508       IP00; IP20 with box terminal/cover         touch protection 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					
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover	61508				
	•				
Contificatory approvale		finger-safe, for vertical contact from the front with box terminal/cover			
	Certificates/ approvals				

		<u>Confirmation</u>		<u>KC</u>	EHC
EMC	Functional Safety/Safety of Ma- chinery	Declaration of Confo	mity	Test Certificates	
RCM	Type Examination Cer- tificate	CE EG-Konf.	UK CA	<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific-</u> ates/Test Report
Marine / Shipping					other
ABS	Lloyds Register Lirs	PRS	KMRS	DINV-GL.	<u>Miscellaneous</u>
other			Railway		
Confirmation	<u>Miscellaneous</u>	Confirmation	Vibration and Shock	<u>Special Test Certific-</u> <u>ate</u>	

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,...)

htt om/ic10

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1064-6NP36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1064-6NP36

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

htt industry.siemens.com/cs/ww/en/ps/3RT106

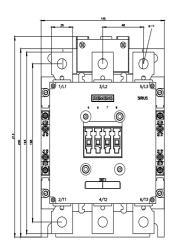
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1064-6NP36&lang=en

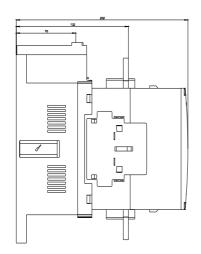
Characteristic: Tripping characteristics, I2t, Let-through current

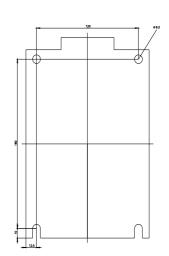
https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-6NP36/char

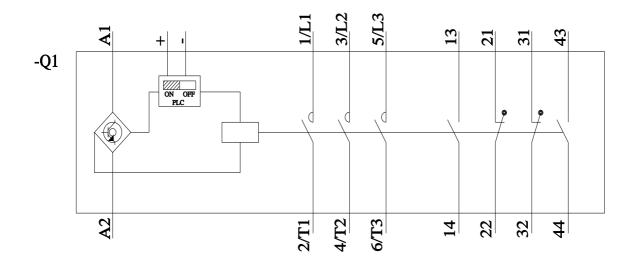
Further characteristics (e.g. electrical endurance, switching frequency)

3RT1064-6NP36&objecttype=14&gridview=view1 http://www.automation.si s.com/bilddb/index.aspx?view=









8/15/2023 🖸

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