## SIEMENS

## Data sheet

## 3RT2036-1AP64



power contactor, AC-3e/AC-3, 51 A, 22 kW / 400 V, 3-pole, 220 V AC, 50 Hz / 240 V, 60 Hz, auxiliary contacts: 2 NO + 2 NC, screw terminal, size: S2, removable auxiliary switch

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	\$2
product extension	02
function module for communication	No
auxiliary switch	No
power loss [W] for rated value of the current	
at AC in hot operating state	12 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	4 W
without load current share typical	6.5 W
insulation voltage	
of main circuit with degree of pollution 3 rated value	690 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	690 V
surge voltage resistance	
of main circuit rated value	6 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	400 V
shock resistance at rectangular impulse	
• at AC	9.8g / 5 ms, 6.5g / 10 ms
shock resistance with sine pulse	
• at AC	15.3g / 5 ms, 10.1g / 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)	10/01/2014
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	
number of poles for main current circuit	3

number of NO contacts for main contacts	3
operating voltage	5
at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	
at AC-1 at 400 V at ambient temperature 40 °C rated	70 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated	70 A
value	20 A
— up to 690 V at ambient temperature 60 °C rated value	60 A
• at AC-3	
— at 400 V rated value	51 A
— at 500 V rated value	51 A
— at 690 V rated value	24 A
• at AC-3e	
— at 400 V rated value	51 A
— at 500 V rated value	51 A
— at 690 V rated value	24 A
• at AC-4 at 400 V rated value	41 A
• at AC-5a up to 690 V rated value	61.6 A
• at AC-5b up to 400 V rated value	41.5 A
• at AC-6a	
<ul> <li>— up to 230 V for current peak value n=20 rated value</li> </ul>	43.2 A
<ul> <li>— up to 400 V for current peak value n=20 rated value</li> </ul>	43.2 A
<ul> <li>— up to 500 V for current peak value n=20 rated value</li> </ul>	43.2 A
<ul> <li>— up to 690 V for current peak value n=20 rated value</li> </ul>	24 A
● at AC-6a	
<ul> <li>— up to 230 V for current peak value n=30 rated value</li> </ul>	28.8 A
<ul> <li>— up to 400 V for current peak value n=30 rated value</li> </ul>	28.8 A
<ul> <li>— up to 500 V for current peak value n=30 rated value</li> </ul>	28.8 A
— up to 690 V for current peak value n=30 rated value	24 A
minimum cross-section in main circuit at maximum AC-1 rated value	25 mm <sup>2</sup>
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	24 A
• at 690 V rated value	20 A
operational current	
<ul> <li>at 1 current path at DC-1</li> </ul>	
— at 24 V rated value	55 A
— at 60 V rated value	23 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
with 2 current paths in series at DC-1	
— at 24 V rated value	55 A
— at 60 V rated value	45 A
— at 110 V rated value	45 A
- at 220 V rated value	5 A
— at 440 V rated value	1A
— at 600 V rated value	0.8 A
with 3 current paths in series at DC-1	
— at 24 V rated value	55 A
— at 60 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	45 A
— at 440 V rated value	2.9 A
- at 600 V rated value	1.4 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	

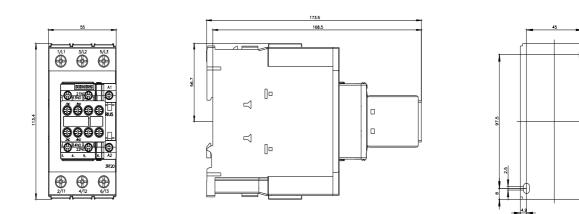
— at 24 V rated value	35 A
— at 60 V rated value	6 A
— at 220 V rated value	1 A
— at 440 V rated value	0.1 A
— at 600 V rated value	0.06 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	55 A
— at 60 V rated value	45 A
— at 110 V rated value	25 A
— at 220 V rated value	5 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	55 A
— at 60 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	25 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.35 A
operating power	
• at AC-2 at 400 V rated value	22 kW
• at AC-3	
— at 230 V rated value	15 kW
— at 400 V rated value	22 kW
— at 500 V rated value	22 kW
— at 690 V rated value	22 kW
• at AC-3e	
— at 400 V rated value	22 kW
— at 500 V rated value	22 kW
— at 690 V rated value	22 kW
operating power for approx. 200000 operating cycles at AC-	
4	
• at 400 V rated value	12.6 kW
at 690 V rated value	18.2 kW
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	17.2 kVA
• up to 400 V for current peak value n=20 rated value	29.9 kVA
• up to 500 V for current peak value n=20 rated value	37.4 kVA
up to 690 V for current peak value n=20 rated value	28.6 kVA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	11.4 kVA
• up to 400 V for current peak value n=30 rated value	19.9 kVA
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	24.9 kVA
up to 690 V for current peak value n=30 rated value	28.6 kVA
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>	937 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	697 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	468 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	282 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	229 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	5 000 1/h
operating frequency	
• at AC-1 maximum	1 000 1/h
• at AC-2 maximum	600 1/h
• at AC-3 maximum	800 1/h
• at AC-3e maximum	800 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC

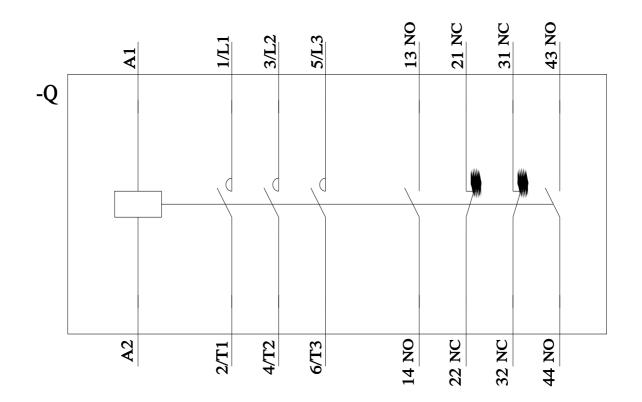
control supply voltage at AC	
• at 50 Hz rated value	220 V
at 60 Hz rated value	240 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	
● at 50 Hz	212 VA
● at 60 Hz	188 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.69
• at 60 Hz	0.65
apparent holding power of magnet coil at AC	
• at 50 Hz	18.5 VA
• at 60 Hz	16.5 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.36
• at 60 Hz	0.39
closing delay	
• at AC	10 80 ms
opening delay	
• at AC	10 18 ms
arcing time	10 20 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	6 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	52 A
at 600 V rated value	52 A
yielded mechanical performance [hp]	
for single-phase AC motor	
— at 110/120 V rated value	3 hp
— at 230 V rated value	10 hp

<ul> <li></li></ul>	e for 3 phase AC motor	
	for 3-phase AC motor     at 200/208 V rated value	15 hp
context rating of audiary contacts according to UL         A600 / 0000           Short-chrout protection of the main circuit		
Status         Status           design of the fuse link		· ·
design of the face link <ul> <li>of abort-dicut protection of the main circuit</li> <li>with type of coordination 1 required</li> <li>is of abort-dicut protection of the auxiley solutio required</li> <li>of a short-dicut protection of the auxiley solutio required</li> <li>of a short-dicut protection of the auxiley solutio required</li> <li>of a short-dicut protection of the auxiley solutio required</li> <li>of a short-dicut protection of the auxiley solutio required</li> <li>of a short-dicut protection of the auxiley solutio required</li> <li>of a short-dicut protection of the auxiley solutio required</li> <li>of a short-dicut protection of the auxiley solution required</li> <li>of a short-dicut protection of the auxiley solution required</li> <li>of a short-dicut protection of the auxiley solution required</li> <li>of a short-dicut protection of the auxiley solution required</li> <li>of a short-dicate protection of the auxiley solution required</li> <li>of a short-dicate protection of the auxiley solution required</li> <li>of a short-dicate protection of a solution of the auxiley solution required</li> <li>of a short-dicate protection of a solution of the auxiley solution and and a solution of the solution</li> <li>of a short-dicate monething</li> <li>of a short-dicate monething</li> <li>of a short-dicate monething</li> <li>of a short-dicate monething and solution</li> <li>of a short-dicate monething</li> <li>of</li></ul>	· · ·	A600 / Q600
for short-circuit production of the main circuit     with type of coordination 1 required     you foo (600 V, 100 KA), akt 50 A (690 V, 100 KA), BS86: 125 A (415 V, 80 A     you foo solid and the surface solid and the surface solid and the surface     if a short-circuit production of a neuriface     get 100 A (690 V, 100 KA), akt 50 A (690 V, 100 KA), BS86: 53A (415 V, 80 KA)     get 100 A (690 V, 100 KA), akt 50 A (690 V, 100 KA), BS86: 53A (415 V, 80 KA)     get 100 A (690 V, 100 KA), akt 50 A (690 V, 100 KA), BS86: 53A (415 V, 80 KA)     get 100 A (690 V, 100 KA), akt 50 A (690 V, 100 KA), BS86: 53A (415 V, 80 KA)     get 100 A (690 V, 100 KA), akt 50 A (690 V, 100 KA), BS86: 53A (415 V, 80 KA)     get 100 A (690 V, 100 KA), akt 50 A (690 V, 100 KA), BS86: 53A (415 V, 80 KA)     get 100 A (690 V, 100 KA), akt 50 A (690 V, 100 KA), BS86: 53A (415 V, 80 KA)     get 100 A (100 KA), akt 50 A (690 V, 100 KA), BS86: 53A (415 V, 80 KA)     get 100 A (100 KA), akt 50 A (690 V, 100 KA), BS86: 53A (415 V, 80 KA)     get 100 A (100 KA), akt 50 A (690 V, 100 KA), BS86: 53A (415 V, 80 KA)     get 100 A (100 KA), akt 50 A (690 V, 100 KA), BS86: 53A (415 V, 80 KA)     get 100 A (100 KA), akt 50 A (690 V, 100 KA), BS86: 53A (415 V, 80 KA)     get 100 A (100 KA), akt 50 A (690 V, 100 KA), BS86: 53A (415 V, 80 KA)     get 100 A (100 KA), akt 50 A (690 V, 100 KA), BS86: 53A (415 V, 80 KA)     get 100 A (100 KA), akt 50 A (690 V, 100 KA), BS86: 53A (415 V, 80 KA)     get 100 A (100 KA), akt 50 A (690 V, 100 KA), BS86: 53A (415 V, 80 KA)     get 100 A (100 KA), akt 50 A (100 KA), akt 50 A (100 KA)     get 100 A (100 KA), akt 50 A (100 KA)     get 100 A (100 KA), akt 50		
- with type of coordination 1 required known in the second probability of the second probabili	-	
iA)       - with type of assignment 2 required       gC: 80.4 (690V, 100kA), 80:88: 63A (415V, 80kA)         installation/ mounting definensions       gC: 80.4 (690V, 100kA), 80:88: 63A (415V, 80kA)         mounting position       4/180* rotation possible on vertical mounting surface; can be titled forward and backward by + 52.5* on vertical mounting surface; can be titled forward and backward by + 52.5* on vertical mounting surface; can be titled forward and backward by + 52.5* on vertical mounting surface; can be titled forward and backward by + 52.5* on vertical mounting surface; can be titled forward and backward by + 52.5* on vertical mounting surface; can be titled forward and backward by + 52.5* on vertical mounting surface; can be titled forward and backward by + 52.5* on vertical mounting surface; can be titled forward and backward by + 52.5* on vertical mounting surface; can be titled forward and backward by + 52.5* on vertical mounting surface; can be titled forward and backward by + 52.5* on vertical mounting surface; can be title downard and backward by + 52.5* on vertical mounting surface; can be title downard and backward by + 52.5* on vertical mounting surface; can be title downard and backward by + 52.5* on vertical mounting surface; can be title downard and backward by + 52.5* on vertical mounting surface; can be title downard and backward by + 52.5* on vertical mounting surface; can be title downard and backward by + 52.5* on vertical mounting surface; can be title downard and backward by + 52.5* on vertical mounting surface; can be title downards         extin subset       0 mm       -         - upwards       10 mm       -         - downards       10 mm       -         - downwards       10 mm       - </td <td>-</td> <td></td>	-	
• for short-circuit protection of the auxiliary switch required         gG: 10 A (500 V, 1 KA)           Installation/ mounting position         =<40° rotation possible on vertical mounting surface; can be titled forward and backward by V: 22 S° on vertical mounting surface; can be titled forward and backward by V: 22 S° on vertical mounting surface; can be titled forward and backward by V: 22 S° on vertical mounting surface; can be titled forward and backward by V: 22 S° on vertical mounting surface; can be titled forward and backward by V: 22 S° on vertical mounting surface; can be titled forward and backward by V: 22 S° on vertical mounting surface; can be titled forward and backward by V: 22 S° on vertical mounting surface; can be titled forward and backward by V: 22 S° on vertical mounting surface; can be titled forward and backward by V: 22 S° on vertical mounting surface; can be titled forward and backward by V: 22 S° on vertical mounting surface; can be titled forward and backward by V: 22 S° on vertical mounting surface; can be titled forward and backward by V: 22 S° on vertical mounting surface; can be titled forward and backward by V: 22 S° on vertical mounting surface; can be titled forward and backward by V: 22 S° on vertical mounting surface; can be titled forwards	<ul> <li>— with type of coordination 1 required</li> </ul>	kA)
Installation/ mounting dimensions         4/180° rotation possible on vertical mounting surface: can be tilted forward and backward by 4/5 2.5 ° or vertical mounting surface:           fastening method         screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715           height         114 mm           width         55 mm           depth         174 mm           required spacing         ves           - forwards         10 mm           - growards         10 mm           - downwards         10 mm           - forwards         10 mm	<ul> <li>— with type of assignment 2 required</li> </ul>	gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA)
mounting position         4-180° relation possible on vertical mounting surface.           fastening method         screw and snap-on mounting out-face.           • side-by-side mounting         Yes           height         114 mm           with         55 mm           depth         174 mm           required spacing         ************************************		gG: 10 A (500 V, 1 kA)
Image: Section of the secold of the section of the section of the section of the section	Installation/ mounting/ dimensions	
• side-by-side mounting         Yes           height         114 mm           width         55 mm           depth         174 mm           required spacing         10 mm           - forwards         10 mm           - forwards         10 mm           - downwards         10 mm           - of or auxiliary contacts         Screw-type terminals           screw-t	mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
height       114 mm         width       65 mm         depth       174 mm         required spacing       10 mm         - Gowards       10 mm         - upwards       10 mm         - downwards       00 mm         - downwards       10 mm         - downwards       0 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - for groundel parts       0 mm         - for wards       10 mm         - downwards	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
width         55 mm           depth         174 mm           required spacing         174 mm           • with side-by-side mounting         10 mm           - forwards         10 mm           - downwards         10 mm           - of wards	side-by-side mounting	Yes
depth     174 mm       required spacing     10 mm       - forwards     10 mm       - uywards     10 mm       - uywards     10 mm       - downwards     10 mm       - uywards     10 mm       - downwards     10 mm	height	114 mm
required spacing         • with side-by-side mounting        forwards       10 mm        upwards       10 mm        downwards       10 mm        forwards       10 mm        gowards       10 mm        gowards       10 mm        at the side       6 mm        downwards       10 mm        gowards       10 mm <td< td=""><td>width</td><td>55 mm</td></td<>	width	55 mm
• with side-by-side mounting10 mm- torwards10 mm- downwards10 mm- downwards10 mm- at the side0 mm- for grounded parts10 mm- upwards10 mm- upwards10 mm- upwards10 mm- upwards10 mm- downwards10 mm- downwards20 mm- for auxiliary contactsScrew-type terminals- of auxiliary contacts2x (1 35 mm <sup>3</sup> )- for auxiliary contact	depth	174 mm
forwards10 mm upwards10 mm downwards0 mm at the side0 mm forwards10 mm forwards10 mm forwards10 mm at the side6 mm downwards10 mm at the side6 mm downwards10 mm downwards2x (x x x x x mm) downardsScrew-type terminals </td <td>required spacing</td> <td></td>	required spacing	
	with side-by-side mounting	
	— forwards	10 mm
at the side0 mm• for grounded parts forwards10 mm upwards10 mm at the side6 mm at the side6 mm downwards10 mm• of live parts forwards10 mm upwards10 mm upwards10 mm upwards10 mm upwards10 mm downwards6 mm downwards6 mm downwards5 mm of auxiliary contacts5 mm of auxiliary contacts5 mm forwardiary contacts5 mm of for auxiliary contacts5 mm solid or stranded0.5 m. 2.5 mm <sup>2</sup> solid or stranded2 x (0.5 m. 1.5 mm <sup>2</sup> ), 2 x (0.75 m. 2.5 mm <sup>2</sup> ) of rawailary contacts solid or stranded solid or stranded2 x (0.5 m. 1.5 mm <sup>2</sup> ), 2 x (0.75 m. 2.5 mm <sup>2</sup> ) forwailary contacts2 x (0.5 m. 1.5 mm <sup>2</sup> ), 2 x	— upwards	10 mm
• for grounded parts	— downwards	10 mm
- forwards       10 mm         - upwards       6 mm         - at the side       6 mm         - downwards       10 mm         - forwards       10 mm         - upwards       10 mm         - downwards       10 mm         - atthe side       6 mm         Connectable conductor cross-sections or main contacts       screw-type terminals         of magnet coil       2x (1 35 mm²), tx (1 35 mm²)	— at the side	0 mm
upwards10 mmat the side6 mmdownwards10 mmforwards10 mmforwards10 mmupwards10 mmupwards10 mmat the side6 mmConnections/Terminalstype of electrical connectionscrew-type terminalsscrew-type terminalsto for auxiliary and control circuitscrew-type terminalsscrew-type terminalsscr	<ul> <li>for grounded parts</li> </ul>	
at the side6 mm downwards10 mm- for live parts forwards10 mm upwards10 mm upwards10 mm downwards10 mm at the side6 mmConnections/ Terminals-type of electrical connectionscrew-type terminals• for axiliary and control circuitscrew-type terminals• for axiliary and control circuitscrew-type terminals• for axiliary and control circuitScrew-type terminals• of magnet collScrew-type terminalstype of connectable conductor cross-sections for main contacts2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> )• finely stranded with core end processing1 35 mm <sup>2</sup> .• finely stranded with core end processing1 35 mm <sup>2</sup> • for axiliary contacts 2.5 mm <sup>2</sup> • for AWC cables for axiliary contacts 2.5 mm <sup>2</sup> • for axiliary contacts 2.5 mm <sup>2</sup> • for axiliary contacts 2.5 mm <sup>2</sup> , 2x (0.75 2.5 mm <sup>2</sup> )• for axiliary contacts 2.5 mm <sup>2</sup> , 2x (0.75 2.5 mm <sup>2</sup> )• for axiliary contacts 2.0 m <sup>2</sup> , 2x (0.75 2.5 mm <sup>2</sup> )• for axiliary cont	— forwards	10 mm
downwards10 mm• for live parts forwards10 mm upwards10 mm upwards10 mm downwards10 mm downwards0 mm at the side6 mmConnections/ TerminalsScrew-type terminal	— upwards	10 mm
• for live parts10 mm- forwards10 mm- upwards10 mm- downwards6 mm• at the side6 mmConnections/ Terminalsscrew-type terminalstype of electrical connectionscrew-type terminals• for main current circuitscrew-type terminals• for axiliary and control circuitscrew-type terminals• of magnet coilScrew-type terminals• of inely stranded with core end processing2x (1 35 mm²), 1x (1 50 mm²)• finely stranded with core end processing1 35 mm²• finely stranded with core end processing1 35 mm²• finely stranded with core end processing5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• for auxiliary contacts 50 mm², 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (20 10), 2x (18 14)• for main contacts18 1• for main contacts18 1• for main contacts18 1• for auxiliary contacts20 14	— at the side	6 mm
	— downwards	10 mm
	<ul> <li>for live parts</li> </ul>	
downwards10 mm at the side6 mmConnections/ Terminalstype of electrical connection• for main current circuitscrew-type terminals• for axiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals• of magnet coilScrew-type terminalstype of connectable conductor cross-sections for main contactsScrew-type terminals• solid or stranded2x (1 35 mm²), 1x (1 50 mm²)• finely stranded with core end processing2x (1 35 mm²)connectable conductor cross-section for main contactsImage: Screw-type terminals• finely stranded with core end processing1 35 mm²)connectable conductor cross-section for auxiliary contactsScrew-type terminals• finely stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• for auxiliary contacts- solid or stranded• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (0 16), 2x (18 14)AWG number as coded connectable conductor cross section18 1• for auxiliary contacts18 1• for auxiliary contacts20 14	— forwards	10 mm
	— upwards	10 mm
Connections/ Terminals         type of electrical connection         • for main current circuit       screw-type terminals         • of auxiliary and control circuit       screw-type terminals         • at contactor for auxiliary contacts       Screw-type terminals         • of magnet coil       Screw-type terminals         type of connectable conductor cross-sections for main contacts       Screw-type terminals         • solid or stranded       2x (1 35 mm²), 1x (1 50 mm²)         • finely stranded with core end processing       2x (1 25 mm²), 1x (1 35 mm²)         connectable conductor cross-section for main contacts       1 35 mm²         • finely stranded with core end processing       0.5 2.5 mm²         type of connectable conductor cross-sections       0.5 2.5 mm²         • finely stranded with core end processing       0.5 2.5 mm²         type of connectable conductor cross-sections       0.5 2.5 mm²         • for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         - solid or stranded       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         • for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         • for wWG cables for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         • for main contacts       18 1         • for main contac	— downwards	10 mm
type of electrical connection• for main current circuit• for auxiliary and control circuit• at contactor for auxiliary contacts• of magnet coiltype of connectable conductor cross-sections for main contacts• solid or stranded2x (1 35 mm²), 1x (1 50 mm²)• finely stranded with core end processing2x (1 35 mm²), 1x (1 35 mm²)connectable conductor cross-section for main contacts• finely stranded with core end processing1 35 mm²connectable conductor cross-section for auxiliary contacts• finely stranded with core end processing1 35 mm²connectable conductor cross-section for auxiliary contacts• solid or stranded0.5 2.5 mm²connectable conductor cross-sections• finely stranded with core end processing0.5 2.5 mm²• for auxiliary contacts- solid or stranded0.5 2.5 mm²• for auxiliary contacts- solid or stranded- solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)- finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)- for AWG cables for auxiliary contacts- for main contacts• for main contacts• for main contacts• for main contacts18 1• for auxiliary contacts20 14	— at the side	6 mm
of or main current circuitscrew-type terminals• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals• of magnet coilScrew-type terminalstype of connectable conductor cross-sections for main contactsScrew-type terminals• solid or stranded2x (1 35 mm²), 1x (1 50 mm²)• finely stranded with core end processing2x (1 35 mm²)• finely stranded with core end processing1 35 mm²)• finely stranded with core end processing1 35 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• for auxiliary contacts0.5 2.5 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (20 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (20 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (20 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (20 1.5 mm²), 2x (0.75 2.5 mm²)• for main contacts18 1• for main contacts18 1• for auxiliary contacts20 14	Connections/ Terminals	
• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals• of magnet coilScrew-type terminalstype of connectable conductor cross-sections for main contacts2x (1 35 mm²), 1x (1 50 mm²)• solid or stranded2x (1 35 mm²), 1x (1 50 mm²)• finely stranded with core end processing2x (1 35 mm²), 1x (1 35 mm²)connectable conductor cross-section for main contacts1 35 mm²• finely stranded with core end processing1 35 mm²connectable conductor cross-section for auxiliary contacts0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for main contacts2x (2 16), 2x (18 14)AWG cables for auxiliary contacts18 1• for auxiliary contacts18 1• for auxiliary contacts20 14	type of electrical connection	
• at contactor for auxiliary contactsScrew-type terminals• of magnet coilScrew-type terminalstype of connectable conductor cross-sections for main contacts2x (1 35 mm²), 1x (1 50 mm²)• solid or stranded2x (1 35 mm²), 1x (1 50 mm²)• finely stranded with core end processing2x (1 25 mm²), 1x (1 35 mm²)connectable conductor cross-section for main contacts1 35 mm²• finely stranded with core end processing1 35 mm²connectable conductor cross-section for auxiliary contacts0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for AWG cables for auxiliary contacts2x (20 16), 2x (18 14)AWG number as coded connectable conductor cross section2x (20 16), 2x (18 14)• for main contacts18 1• for auxiliary contacts20 14		screw-type terminals
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<ul> <li>for auxiliary contacts         <ul> <li>solid or stranded</li> <li>solid or stranded</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for AWG cables for auxiliary contacts</li> </ul> </li> <li>AWG number as coded connectable conductor cross section         <ul> <li>for main contacts</li> <li>for auxiliary contacts</li> <li>20 14</li> </ul> </li> </ul>	<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²
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• for AWG cables for auxiliary contacts       2x (20 16), 2x (18 14)         AWG number as coded connectable conductor cross section	— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
• for AWG cables for auxiliary contacts       2x (20 16), 2x (18 14)         AWG number as coded connectable conductor cross section	— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
AWG number as coded connectable conductor cross section       18 1         • for main contacts       18 1         • for auxiliary contacts       20 14	<ul> <li>for AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14)
• for auxiliary contacts 20 14	AWG number as coded connectable conductor cross	
• for auxiliary contacts 20 14	• for main contacts	18 1
•		
	Safety related data	

product function						
<ul> <li>mirror contact a</li> </ul>	ccording to IEC 60947-4-1	Y	/es			
<ul> <li>positively driven</li> </ul>	operation according to IE	C 60947-5-1	10			
suitability for use safet	y-related switching OFF	Y	′es			
B10 value with high de	emand rate according to SN	N 31920 1	000 000			
proportion of danger						
	d rate according to SN 319	20 4	0 %			
	nd rate according to SN 31		3 %			
	bw demand rate according		100 FIT			
61508	interval or service life acco	ording to IEC 2	20 a			
	n the front according to I	EC 60529	P20			
-	the front according to IEC		nger-safe, for vertical contact	from the front		
•		00323	inger-sale, for vertical contact			
ertificates/ approvals						
General Product App	oroval					
(SP)	<u>Confirmation</u>			KC	EHC	
EMC	Functional Safety/Safety of Ma- chinery	Declaration of Co	nformity	Test Certificates		
RCM	<u>Type Examination Cer-</u> tificate	UK CA	CE EG-Konf.	<u>Type Test Certific-</u> ates/Test Report	Special Test Certific ate	
Marine / Shipping	BUREAU VERAU		Llovd's Register us	PRS		
Marine / Shipping	other		Railway	Dangerous Good	Environment	
RMRS	<u>Confirmation</u>	<u>Confirmation</u>	Vibration and Shock	Transport Information	Environmental Con- firmations	
urther information Siemens has decided	to exit the Russian mar	ket (see here).				
https://press.siemens.o	com/global/en/pressrelease	e/siemens-wind-down				
	on the renewal of the curr cal Siemens office on the s		<ul> <li>EAC certification if you inten</li> </ul>	d to import or offer to supr	olv these products to a	
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https://www.siemens.c		2. Jonui 63,)				
ndustry Mall (Online	ordering system)					
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	anuals, Certificates, Char			<u>-</u>		
	/.siemens.com/cs/ww/en/p					
			dels, device circuit diagram	is, EPLAN macros,)		
	.siemens.com/bilddb/cax_o ing characteristics, I <sup>2</sup> t, Le		<u>36-1AP64⟨=en</u>			
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Further characteristi	cs (e.g. electrical endura	nce, switching frequ	ency)			
http://www.automation	.siemens.com/bilddb/index	.aspx?view=Search&	mlfb=3RT2036-1AP64&objec	ttype=14&gridview=view1		
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