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
 at AC in hot operating state per pole 	4 W
without load current share typical	6.5 W
insulation voltage	
of main circuit with degree of pollution 3 rated value	690 V
 of auxiliary circuit with degree of pollution 3 rated value 	690 V
surge voltage resistance	
of main circuit rated value	6 kV
 of auxiliary circuit rated value 	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)	
 of contactor typical 	10 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2014
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 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	
 — up to 230 V for current peak value n=20 rated value 	43.2 A
 — up to 400 V for current peak value n=20 rated value 	43.2 A
 — up to 500 V for current peak value n=20 rated value 	43.2 A
 — up to 690 V for current peak value n=20 rated value 	24 A
● at AC-6a	
 — up to 230 V for current peak value n=30 rated value 	28.8 A
 — up to 400 V for current peak value n=30 rated value 	28.8 A
 — up to 500 V for current peak value n=30 rated value 	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 ²
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	
 at 1 current path at DC-1 	
— 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
 at 1 current path at DC-3 at DC-5 	

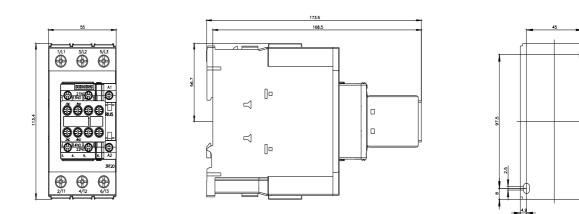
— at 24 V rated value	35 A
— at 60 V rated value	6 A
— at 220 V rated value	1 A
— at 440 V rated value	0.1 A
— at 600 V rated value	0.06 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	55 A
— at 60 V rated value	45 A
— at 110 V rated value	25 A
— at 220 V rated value	5 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
 with 3 current paths in series at DC-3 at DC-5 	
— 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	
 up to 230 V for current peak value n=20 rated value 	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
 up to 500 V for current peak value n=30 rated value 	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	
 limited to 1 s switching at zero current maximum 	937 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	697 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	282 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	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

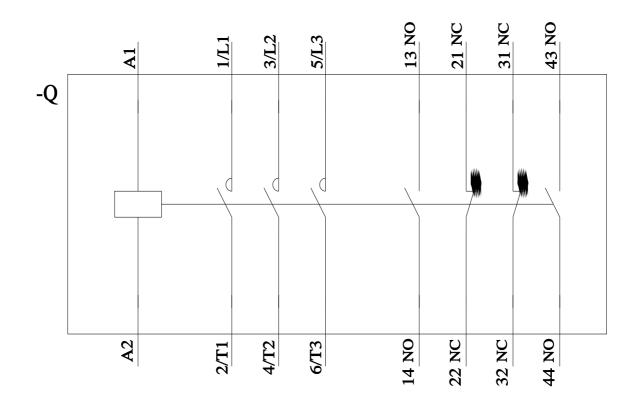
control supply voltage at AC	
• at 50 Hz rated value	220 V
at 60 Hz rated value	240 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	
● at 50 Hz	212 VA
● at 60 Hz	188 VA
inductive power 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

 	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		· ·
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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	 — with type of coordination 1 required 	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	 — with type of assignment 2 required 	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 ³)- 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 ² solid or stranded2 x (0.5 m. 1.5 mm ²), 2 x (0.75 m. 2.5 mm ²) of rawailary contacts solid or stranded solid or stranded2 x (0.5 m. 1.5 mm ²), 2 x (0.75 m. 2.5 mm ²) forwailary contacts2 x (0.5 m. 1.5 mm ²), 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	 for grounded parts 	
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 ²), 1x (1 50 mm ²)• finely stranded with core end processing1 35 mm ² .• finely stranded with core end processing1 35 mm ² • for axiliary contacts 2.5 mm ² • for AWC cables for axiliary contacts 2.5 mm ² • for axiliary contacts 2.5 mm ² • for axiliary contacts 2.5 mm ² , 2x (0.75 2.5 mm ²)• for axiliary contacts 2.5 mm ² , 2x (0.75 2.5 mm ²)• for axiliary contacts 2.0 m ² , 2x (0.75 2.5 mm ²)• 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
	 for live parts 	
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	
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	Safety related data	

product function						
 mirror contact a 	ccording to IEC 60947-4-1	Y	/es			
 positively driven 	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				
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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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