SIEMENS

Data sheet 3RT2337-1NP30

	contactor AC-1, 110 A, 400 V / 40 °C, 4-pole, 175-280 V AC/DC, 50/60 Hz, with integrated varistor, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S2
product brand name	SIRIUS
product designation	Contactor
product type designation	3RT23
General technical data	01120
size of contactor	\$2
product extension	GZ
function module for communication	No
auxiliary switch	Yes
power loss [W] for rated value of the current	165
at AC in hot operating state	38.8 W
at AC in hot operating state at AC in hot operating state per pole	9.7 W
without load current share typical	1 W
insulation voltage	
of main circuit with degree of pollution 3 rated value	690 V
of the auxiliary and control circuit with degree of pollution	690 V
3 rated value	
surge voltage resistance	0.134
of main circuit rated value	6 kV
of auxiliary circuit rated value	6 kV
shock resistance at rectangular impulse	77.1545.140
• at AC	7.7g / 5 ms, 4.5g / 10 ms
• at DC	7.7g / 5 ms, 4.5g / 10 ms
shock resistance with sine pulse	40.45
• at AC	12g / 5 ms, 7g / 10 ms
• at DC	12g / 5 ms, 7g / 10 ms
mechanical service life (operating cycles)	40,000,000
of contactor typical	10 000 000
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	-40 +70 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	
number of poles for main current circuit	4
number of NO contacts for main contacts	4
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated value 	110 A
• at AC-1	
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	110 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	95 A
• at AC-3	
— at 400 V rated value	38 A
minimum cross-section in main circuit at maximum AC-1 rated value	35 mm²

short-time withstand current in cold operating state up to 40 °C	
 limited to 1 s switching at zero current maximum 	Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	Use minimum cross-section acc. to AC-1 rated value
limited to 10 s switching at zero current maximum	Use minimum cross-section acc. to AC-1 rated value
limited to 30 s switching at zero current maximum	Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	1 500 1/h
• at DC	1 500 1/h
operating frequency at AC-1 maximum	700 1/h
Control circuit/ Control	
type of voltage	AC/DC
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	7.050
• at 50 Hz rated value	175 280 V
at 60 Hz rated value	175 280 V
	173 200 V
control supply voltage at DC	175 280 V
rated value porting range factor central cumply voltage rated value of	175 280 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
design of the surge suppressor	with varistor
inrush current peak	5 A
duration of inrush current peak	30 µs
locked-rotor current mean value	0.2 A
locked-rotor current peak	0.42 A
duration of locked-rotor current	230 ms
holding current mean value	6 mA
apparent pick-up power of magnet coil at AC	
• at 50 Hz	40 VA
• at 60 Hz	40 VA
apparent holding power of magnet coil at AC	
• at 50 Hz	2 VA
• at 60 Hz	2 VA
closing power of magnet coil at DC	23 W
holding power of magnet coil at DC	1 W
closing delay	
at AC	35 110 ms
• at DC	35 110 ms
	55 1 IU IIIS
opening delay	20 FF ma
• at AC	30 55 ms
• at DC	30 55 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	1
• attachable	2
instantaneous contact	1
number of NO contacts for auxiliary contacts	1
attachable	2
instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-15	
• at 230 V rated value	10 A
• at 400 V rated value	3 A

* at 800 V rated value 2 A A A A A A A A A		
operational current at DC-12 • at 24 V rated value • at 80 V rated value • at 80 V rated value • at 100 V rated value • at 200 V rated value • at 300 V rated value • at 110 V rated value • at 120 V rated value • at 160 V rated value • or 80 value value • or 80 value value value • or 80 value value • or 80 value value • or 80 value	• at 500 V rated value	2 A
a = 12.4 V rated value	at 690 V rated value	1 A
• it 80 V rated value	operational current at DC-12	
** at 10 V rated value	 at 24 V rated value 	10 A
* at 115 V risted value	at 48 V rated value	6 A
a 122 V rated value b 122 V rated value c 160	• at 60 V rated value	6 A
• al 220 V rated value	• at 110 V rated value	3 A
• al 220 V rated value	at 125 V rated value	2 A
0.15 A Operational current at DC-13		
Operational current at DC-13 • 12 4 V rated value 2 A • 11 45 V rated value 2 A • 11 10 V rated value 1 A • 11 10 V rated value 1 A • 11 12 V rated value 0.9 A • 11 12 V rated value 0.1 A • 12 20 V rated value 0.1 A • 12 20 V rated value 0.1 A • 16 000 V rated value 0.1 A • 17 000 V rated value 0.1 A • 18 000 V rated value 0.1 A • 19 000 V rated value 0.1 A • 10 000 V rated value 0.1 A		
* at 24 V rated value * at 46 V rated value * at 140 V rated value * at 140 V rated value * at 125 V rated value * at 225 V rated value * at 226 V rated value * at 226 V rated value * at 226 V rated value * at 220 V rated v		0.1071
• nt 48 V rated value • 1 ti 10 V rated value • 1 ti 10 V rated value • 1 ti 10 V rated value • 1 220 V rated value • 1 220 V rated value • 1 220 V rated value • 1 600 V rated value • 1 600		10 Λ
at 110 V rated value at 125 V rated value at 125 V rated value at 200 V rated value at 200 V rated value at 200 V rated value design of the ministure circuit breaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts Contact rating of auxiliary contacts according to UL A600 / P600 Storic-circuit protection product function short circuit protection design of the fuse link of or short-circuit protection of the auxiliary switch required —with type of assignment 2 required —with type of coordination 1 required —with type of coordination 1 required availability of mounting dimensions mounting position 4/4 180 relation possible on vertical mounting surface; can be filled florward and backward by 4/4 22 5° on vertical mounting surface; can be filled florward and backward by 4/4 22 5° on vertical mounting surface; can be filled florward and backward by 4/4 22 5° on vertical mounting surface; can be filled florward and backward by 4/4 22 5° on vertical mounting surface; can be filled florward and backward by 4/4 22 5° on vertical mounting surface; can be filled florward and backward by 4/4 22 5° on vertical mounting surface; can be filled florward and backward by 4/4 22 5° on vertical mounting surface; can be filled florward and backward by 4/4 22 5° on vertical mounting surface; can be filled florward and backward by 4/4 22 5° on vertical mounting surface; can be filled florward and backward by 4/2 25° on vertical mounting surface; can be filled florward and backward by 4/4 22 5° on vertical mounting surface; can be filled florward and backward by 4/4 22 5° on vertical mounting surface; can be filled florward and backward by 4/2 25° on vertical mounting surface; can be filled florward and backward by 4/2 25° on vertical mounting surface; can be filled florward and backward by 4/2 25° on vertical mounting surface; can be filled florward and backward by 4/2 25° on vertical mounting surface; can be filled florward and backward by 4/2 25° on vertical mounting surfa		
a 125 V rated value at 220 V		
of 220 V rated value design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts contact rating of auxiliary contacts according to UL A600 / P600 ULCSA ratings		
design of the miniature crout breaker for short-circuit protection of the auxiliary switch required for the auxiliary switching per 100 million (17 V, 1 mA) VILCSA ratings		
design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts ULCS a retings contact reting of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 2 required • for short-circuit protection of the main circuit — 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 — with side-by-side mounting • for grounded parts — owwards — owwards — owwa		
of the auxiliary switch required contact relation of auxiliary contacts CONTACT ratings Contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection ### A600 / P600 Product function short circuit protection		
Contact rating of auxiliary contacts according to UL A600 / P600 Product function short circuit protection product function short circuit protection A600 / P600 Product function short circuit protection A600 / P600 No A600 / P600 A600 / P600 No A600 / P600 A600 / P600 / P600 A600 / P600 A600 / P600 / P600		
contact rating of auxiliary contacts according to UL Short-circuit protection product functions short circuit protection owith type of coordination 1 required — with type of assignment 2 required		1 faulty switching per 100 million (17 V, 1 mA)
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product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required in for short-circuit protection of the auxiliary switch required if or short-circuit protection of the auxiliary switch required in for short-circuit protection of the auxiliary switch required installation/mounting/ dimensions mounting position #/-180" rotation possible on vertical mounting surface; can be titled forward and backward by +f-22.5" on vertical mounting surface side-by-side mounting #/-180" rotation possible on vertical mounting surface; can be titled forward and backward by +f-22.5" on vertical mounting surface; can be titled forward and backward by +f-22.5" on vertical mounting surface; can be titled forward and backward by +f-22.5" on vertical mounting surface; can be titled forward and backward by +f-22.5" on vertical mounting surface; can be titled forward and backward by +f-22.5" on vertical mounting surface; can be titled forward and backward by +f-22.5" on vertical mounting surface; can be titled forward and backward by +f-22.5" on vertical mounting surface; can be titled forward and backward by +f-22.5" on vertical mounting surface; can be titled forward and backward by +f-22.5" on vertical mounting surface; can be titled forward and backward by +f-22.5" on vertical mounting surface; can be titled forward and backward by +f-22.5" on vertical mounting surface; can be titled forward and backward by +f-22.5" on vertical mounting surface; can be titled forward and backward by +f-22.5" on vertical mounting surface; can be titled forward and backward by +f-22.5" on vertical mounting surface; can be titled forward and backward by +f-22.5" on vertical mounting surface; can be titled forward and backward by +f-22.5" on vertical mounting surface; can be titled forward and backward by +f-22.5" on vertical mounting surface; can be titled forward and backward by +f-22.5" on vertical mounting surface; can b	contact rating of auxiliary contacts according to UL	A600 / P600
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — for short-circuit protection of the auxiliary switch required Installation/mounting/dimensions mounting position #/-180" rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; c	Short-circuit protection	
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- with type of coordination 1 required - with type of assignment 2 required - to 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 stallation/mounting/dimensions mounting position # vitabliation/mounting/dimensions mounting position # side-by-side mounting - festening method - side-by-side mounting - with side-by-side mounting - with side-by-side mounting - forwards - upwards - upwards - downwards - downwards - at the side - downwards - upwards - upwards - to rigorounded parts - forwards - upwards - upwards - upwards - under the side - downwards - upwards - to man - at the side - downwards	design of the fuse link	
- with type of assignment 2 required for short-circuit protection of the auxiliary switch required statilation/ mounting/dimensions mounting position ##-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22	for short-circuit protection of the main circuit	
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• for short-circuit protection of the auxiliary switch required Installation mounting dimensions mounting position fastening method • side-by-side mounting • side-by-side mounting height tith mm width depth required spacing • with side-by-side mounting — forwards — downwards — at the side — downwards — to mm • for live parts — forwards — to mm • for mive parts — forwards — to mm • for main current circuit • for main current circuit • for auxiliary and control circuit • for fauxiliary and control circuit • for main current circuit • for auxiliary and control circuit • of magnet coil type of connectable conductor cross-sections for main contacts	*	
mounting position ## A 180° rotation possible on vertical mounting surface, can be tilted forward and backward by +/- 22.5° on vertical mounting surface, can be tilted forward and backward by +/- 22.5° on vertical mounting surface, can be tilted forward and backward by +/- 22.5° on vertical mounting surface, can be tilted forward and backward by +/- 22.5° on vertical mounting surface, can be tilted forward and backward by +/- 22.5° on vertical mounting surface, can be tilted forward and backward by +/- 22.5° on vertical mounting surface, can be tilted forward for building and backward by +/- 22.5° on vertical mounting surface, can be tilted forward and backward by +/- 22.5° on vertical mounting surface, can be tilted forward for building surface, can be tilted for surface for surface, can be tilted forward for building surface, can be tilted for surface for surface, can be tilted for surface for surface, can be tilted for surface, can b		
mounting position #/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted for tilt mind. ### 14 mm ### 14 mm ### 130 mm ### 10 mm		go. 1011(10001, 1111)
fastening method side-by-side mounting side-by-side mounting required spacing with side-by-side mounting with 75 mm depth 130 mm required spacing with side-by-side mounting - conwards - upwards - downwards - at the side - downwards - upwards - at the side - downwards - at the side - for live parts - for wards - upwards - at the side - downwards - at the side - for live parts - for live parts - downwards - at the side - downwards - at the side - for mards - for for mards - for for mards - for mar		+/-180° rotation possible on vertical mounting surface; can be tilted forward and
e side-by-side mounting height #width #widt	mounting position	
e side-by-side mounting height #width #widt	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
width 75 mm depth 130 mm required spacing • with side-by-side mounting — forwards 10 mm — downwards 10 mm — at the side 0 mm • for grounded parts — forwards 10 mm — at the side 6 mm — at the side 6 mm — at the side 6 mm • for live parts — forwards 10 mm • for auxiliary and control circuit 5 or auxiliary contacts 6 or magnet coil • for auxiliary and control cross-sections for main contacts type of connectable conductor cross-sections for main contacts	• side-by-side mounting	Yes
depth required spacing with side-by-side mounting - forwards - upwards - downwards - at the side for grounded parts - forwards - upwards - at the side for grounded parts - forwards - upwards - at the side - downwards - at the side - downwards - at the side - downwards - to mm for live parts - for wards - upwards - to mm for live parts - forwards - upwards - downwards - downwards - to mm Connections/ Terminals type of electrical connection for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts type of connectable conductor cross-sections for main contacts	height	114 mm
required spacing with side-by-side mounting — forwards — upwards — at the side of grounded parts — forwards — upwards — of mwards — of mwards — of mwards — of mwards — upwards — of mwards — upwards — of mwards — of mward	width	75 mm
required spacing with side-by-side mounting — forwards — upwards — at the side of grounded parts — forwards — upwards — of mwards — of mwards — of mwards — of mwards — upwards — of mwards — upwards — of mwards — of mward	depth	130 mm
with side-by-side mounting — forwards — upwards — upwards — downwards — at the side — of ror grounded parts — forwards — upwards — upwards — upwards — upwards — at the side — downwards — at the side — downwards — in mm — of ror live parts — forwards — forwards — forwards — upwards — the side — downwards — downwards — upwards — upwards — for main current sircuit — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts type of connectable conductor cross-sections for main contacts 10 mm 1	·	
forwards 10 mm upwards 10 mm downwards 10 mm at the side 0 mm for grounded parts forwards 10 mm upwards 10 mm upwards 10 mm at the side 6 mm downwards 10 mm for live parts forwards 10 mm for live parts forwards 10 mm upwards 10 mm upwards 10 mm upwards 10 mm upwards 10 mm downwards 10 mm downwards 10 mm downwards 10 mm downwards 5 mm downwards 5 mm downwards 5 mm at the side 6 mm Connections/ Terminals type of electrical connection for main current circuit 5 crew-type terminals for auxiliary and control circuit 5 crew-type terminals at contactor for auxiliary contacts 5 crew-type terminals of magnet coil 5 crew-type terminals of magnet coil 5 crew-type terminals		
- upwards 10 mm - downwards 0 mm - at the side 0 mm • for grounded parts - forwards 10 mm - upwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm • for live parts - forwards 10 mm • for live parts - forwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • at contactor for auxiliary contacts • of magnet coil Screw-type terminals type of connectable conductor cross-sections for main contacts	· · · · · · · · · · · · · · · · · · ·	10 mm
- downwards		
- at the side 0 mm • for grounded parts - forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm • for live parts - forwards 10 mm • for wards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • at contactor for auxiliary contacts • of magnet coil Screw-type terminals type of connectable conductor cross-sections for main contacts	•	
for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — towards — forwards — forwards — forwards — upwards — upwards — upwards — upwards — a the side — downwards — at the side — formals Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts type of connectable conductor cross-sections for main contacts		
- forwards		O THILL
- upwards - at the side - downwards 10 mm • for live parts - forwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts type of connectable conductor cross-sections for main contacts		10 mm
- at the side 6 mm - downwards 10 mm • for live parts - forwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts type of connectable conductor cross-sections for main contacts type of connectable conductor cross-sections for main contacts		
- 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 • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts 10 mm 10 mm 6 mm Connections/ Terminals 5 crew-type terminals 5 crew-type terminals 5 crew-type terminals 5 crew-type terminals	·	
for live parts — forwards — upwards — downwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • for connectable conductor cross-sections for main contacts • for low mm 10 mm 6 mm Connections/ Terminals • cornections/ Terminals • corew-type terminals • corew-type terminals • corew-type terminals • corew-type terminals		
- forwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts • of magnet coil Screw-type terminals type of connectable conductor cross-sections for main contacts		10 mm
- upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts 10 mm 6 mm command 6 mm Connectable terminals screw-type terminals Screw-type terminals Screw-type terminals	•	
- downwards - at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts		
— at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • for 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	·	
type of electrical connection • for main current circuit screw-type terminals • for 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	— downwards	10 mm
type of electrical connection • for main current circuit screw-type terminals • for 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		6 mm
for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil Screw-type terminals Screw-type terminals Screw-type terminals Screw-type terminals	Connections/ Terminals	
 for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil Screw-type terminals Screw-type terminals type of connectable conductor cross-sections for main contacts 	type of electrical connection	
 at contactor for auxiliary contacts of magnet coil Screw-type terminals Screw-type terminals type of connectable conductor cross-sections for main contacts 	• for main current circuit	screw-type terminals
 at contactor for auxiliary contacts of magnet coil Screw-type terminals Screw-type terminals type of connectable conductor cross-sections for main contacts 	for auxiliary and control circuit	screw-type terminals
• of magnet coil Screw-type terminals type of connectable conductor cross-sections for main contacts	•	
type of connectable conductor cross-sections for main contacts	·	
27 (1 00 mm)	**	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	
• solid or stranded	1 50 mm²
 finely stranded with core end processing 	1 35 mm²
connectable conductor cross-section for auxiliary contacts	
 solid or stranded 	0.5 2.5 mm²
 finely stranded with core end processing 	0.5 2.5 mm²
 finely stranded without core end processing 	0.5 2.5 mm²
type of connectable conductor cross-sections	
 for auxiliary contacts 	
— solid	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)
 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 16), 2x (18 14)
AWG number as coded connectable conductor cross section	
	18 1
for main contacts	10 1
for main contactsfor auxiliary contacts	20 14
101 110011 10111	
for auxiliary contacts	
for auxiliary contacts Safety related data	
for auxiliary contacts Safety related data product function	20 14
for auxiliary contacts Safety related data product function	20 14 Yes
for auxiliary contacts Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 T1 value for proof test interval or service life according to IEC	20 14 Yes No
for auxiliary contacts Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 T1 value for proof test interval or service life according to IEC 61508	20 14 Yes No 20 a
for auxiliary contacts Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529	20 14 Yes No 20 a
for auxiliary contacts Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529	20 14 Yes No 20 a

General Product Approval



Confirmation





<u>KC</u>



EMC	Functional Safety/Safety of Ma- chinery	Declaration of Conformity	Test Certificates
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Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping













Marine / Shipping	other	Railway	Dangerous Good	Environment



Confirmation

Vibration and Shock

Transport Information

Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2337-1NP30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2337-1NP30

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2337-1NP30

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2337-1NP30&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT2337-1NP30/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2337-1NP30&objecttype=14&gridview=view1

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