## **SIEMENS**

Data sheet 3RT2336-1NB30



contactor AC-1, 60 A, 400 V / 40 °C, 4-pole, 20-33 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	
size of contactor	S2
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	12.8 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	3.2 W
<ul> <li>without load current share typical</li> </ul>	1 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
<ul> <li>of the auxiliary and control circuit with degree of pollution 3 rated value</li> </ul>	690 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	6 kV
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
shock resistance at rectangular impulse	
• 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	
• at AC	12g / 5 ms, 7g / 10 ms
• at DC	12g / 5 ms, 7g / 10 ms
mechanical service life (operating cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<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
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5
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	95 %

maximum  Environmental footorint	
Environmental Product Declaration/EDD)	Vee
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	162 kg
Global Warming Potential [CO2 eq] during manufacturing	6.76 kg
Global Warming Potential [CO2 eq] during operation	157 kg
Global Warming Potential [CO2 eq] after end of life	-1.08 kg
Main circuit	
number of poles for main current circuit	4
number of NO contacts for main contacts	4
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	60 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated	60 A
value — up to 690 V at ambient temperature 60 °C rated	55 A
value	
• at AC-3	
— at 400 V rated value	38 A
minimum cross-section in main circuit at maximum AC-1 rated value	16 mm²
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	
• at 50 Hz rated value	20 33 V
at 60 Hz rated value	20 33 V
control supply voltage at DC rated value	
•	20 33 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	3 A
duration of inrush current peak	50 µs
locked-rotor current mean value	1 A
locked-rotor current peak	2.6 A
duration of locked-rotor current	230 ms
holding current mean value	40 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	
1.00	35 110 ms
• at DC	35 110 ms 35 110 ms
at DC     opening delay     at AC	

action	• at DC	30 55 ms
Control variation of the switch operating mechanism   Sandard A1 - A2		
Assiliary circuit  number of NC contacts for auxillary contacts  a lateriabile  a statichable  a		Standard A1 - A2
Inumber of NC contacts for auxiliary contacts   1		
Instantaneous contact   Innumber of NO contacts for auxiliary contacts   Intuitive of auxiliary contacts   Intuitive of International Contacts of International Contacts of International Contacts of International Contacts   Intuitive of International Contacts of International Contacts of International Contacts   Intuitive of International Contacts of International Contacts of International Contacts of International Contacts   Intuitive of International Contacts of International Contacts of International Contacts of International Contacts   Intuitive of International Contacts of Intern	number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts         1           * instachable         2           * instachable         1           * contact and AC-12 maximum         10 A           operational current at AC-15         ***           * at 230 V rated value         10 A           * at 600 V rated value         2 A           * at 600 V rated value         1 A           * operational current at DC-12         ***           * at 46 V rated value         6 A           * at 60 V rated value         6 A           * at 60 V rated value         6 A           * at 10 V rated value         2 A           * at 10 V rated value         2 A           * at 20 V rated value         1 A           * at 20 V rated value         2 A           * at 20 V rated value         1 A           * at 20 V rated value         1 A           * at 30 V rated value         2 A           * at 10 V rated value         1 A           * at 10 V rated value         2 A           * at 10 V rated value         1 A           * at 10 V rated valu	attachable	2
entabhable   2	• instantaneous contact	1
• Instantaneous contact   10 A   10	number of NO contacts for auxiliary contacts	1
Operational current at AC-12 maximum	<ul> <li>attachable</li> </ul>	2
Operational current at AC-15	instantaneous contact	1
ear 229 V rated value	operational current at AC-12 maximum	10 A
• at 400 V rated value	operational current at AC-15	
• at 500 V rated value	• at 230 V rated value	10 A
• at 800 V rated value  oral 48 V rated value  of 58 V rated value  of 58 V rated value  of 68 V rated value  of 69 V rated value  of 6	• at 400 V rated value	3 A
Department at DC-12	• at 500 V rated value	2 A
at 24 V rated value	at 690 V rated value	1 A
at 18 V rated value	operational current at DC-12	
at 10 V rated value at 110 V rated value 2 A at 120 V rated value 2 A at 220 V rated value 3 A  at 220 V rated value 3 A  contact rate of the value 3 A  at 24 V rated value 4 A 8 V rated value 5 A  at 125 V rated value 5 A  at 125 V rated value 7 A  at 24 V rated value 7 A  at 25 V rated value 7 A  at 26 V rated value 7 A  at 27 V rated value 7 A  at 28 V rated value 7 A  at 28 V rated value 7 A  at 28 V rated value 7 A  at 29 V rated value 7 A  at 20 V rated value 7 A  b 20 A  at 20 V rated value 7 A  b 20 A  at 20 V rated value 7 A  b 20 A  at 20 V rated value 7 A  b 20 A  at 20 V rated value 7 A  b 20 A  at 20 V rated value 7 A  b 20 A  at 20 V rated value 7 A  at 20 V rated value 8 A  at 20 V rated value 9 A  at 20 V rated va	at 24 V rated value	
• at 110 V rated value	at 48 V rated value	6 A
at 125 V rated value	• at 60 V rated value	
operational current at DC-13  at 124 V rated value at 48 V rated value 2 A at 110 V rated value 1 1A at 125 V rated value 0 3 A at 24 V rated value 0 9 A at 800 V rated value 0 10 A exit 100 V rated value 0 11 A exit 100 V rated value 0 12 A exit 100 V rated value 0 13 A 0 A exit 100 V rated value 0 14 A exit 100 V rated value 0 15 A exit 100 V rated value 0 16 A exit 100 V rated value 0 17 V v rated value 0 18 A exit 100 V rated value 0 19 A exit 100 V rated value 0 10 A exit 100 V v rated 0 10 A exit 100 V v ra	• at 125 V rated value	
operational current at DC-13  • at 24 V rated value • at 18 V rated value • at 110 V rated value • at 110 V rated value • at 1125 V rated value • at 1250 V rated value • at 1		
at 124 V rated value at 148 V rated value 2 A at 1170 V rated value 1 1 A at 125 V rated value 3 1 22 V rated value 3 1 20 V rated value 3 1 A gG: 10 A (230 V, 400 A)  The ministure circuit breaker for short-circuit protection of the auxiliary switch required contact rating of auxiliary contacts  UL/CSA ratings contact rating of auxiliary contacts  UL/CSA ratings contact rating of auxiliary contacts  The first protection product function short circuit protection  product function short circuit protection  gG: 160 A (690 V, 100 kA) gG: 160 A (690 V, 100 kA) gG: 63 A (		0.15 A
at 48 V rated value at 110 V rated value 1 A at 125 V rated value 3 at 220 V rated value 3 at 600 V rated value 3 at 600 V rated value 4 at 220 V rated value 5 at 600 V rated value 6 sign of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact rating of auxiliary contacts  UL/CSA ratings contact rating of auxiliary contacts according to UL Short-circuit protection  product function short circuit protection  design of the fuse link 6 or short-circuit protection of the main circuit — with type of coordination 1 required 9 (36 3 A (690 V, 100 kA) 1 (37 5 M) 1 (38 5 M	•	
at 110 V rated value at 125 V rated value 0.9 A at 220 V rated value 0.1 A design of the ministure circuit breaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts  UL/CSA ratings contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection of the fuse link for short-circuit protection of the main circuit — with type of coordination 1 required gG: 160 A (690 V, 100 kA) for short-circuit protection of the auxiliary switch required with type of coordination 1 required for short-circuit protection of the auxiliary switch required for short-circuit protection of th		
at 125 V rated value at 220 V rated value at 600 V rated value design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts  UL/GSA ratings contact rating of auxiliary contacts  UL/GSA ratings contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection  design of the fuse link		
at 220 V rated value at 600 V rated value design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts  I faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings contact rating of auxiliary contacts according to UL Short-circuit protection  product function short circuit protection  design of the fuse link  of or short-circuit protection of the main circuit  - with type of assignment 2 required of 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  fastening method  fastening method  fastening method  fastening method  depth  114 mm  width  75 mm  depth  - conwards - upwards - at the side  o for grounded parts - forwards - upwards - at the side  o formards - at the side  o formards - upwards - at the side  o formards - upwards - upwards - at the side  o formards - at the side  o formards - at the side - of mm		
esign of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  IL/CSA ratings contact rating 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 coordination 1 required gG: 160 A (690 V, 100 kA)  • for short-circuit protection of the auxiliary switch required gG: 63 A (690 V, 100 kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA)  • for short-circuit protection of the auxil	<ul> <li>at 125 V rated value</li> </ul>	
design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts  UL/CSA ratings  contact rating of auxiliary contacts according to UL  A600 / P600  Short-circuit protection  product function short circuit protection  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  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection  • for short-circuit protection  10 mm  • for grounded parts  • for grounded p		
of the auxiliary switch required contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  LI/CSA ratings contact rating of auxiliary contacts according to UL Short-circuit protection  product function short circuit protection  6 for short-circuit protection of the main circuit  - with type of coordination 1 required - with type of assignment 2 required - with type of assignment 2 required - with type of assignment 2 required - for short-circuit protection of the auxiliary switch required - with type of assignment 2 required - for short-circuit protection of the auxiliary switch required - with type of assignment 2 required - with type of assignment 2 required - for short-circuit protection of the auxiliary switch required - with type of assignment 2 required - with type of assignment 2 required - with stallation/ 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 surfac		
UL/CSA ratings       contact rating of auxiliary contacts according to UL     A600 / P600       Short-circuit protection       Product function short circuit protection       design of the fuse link       • for short-circuit protection of the main circuit       — with type of coordination 1 required     gG: 160 A (690 V, 100 kA)       — with type of assignment 2 required     gG: 63 A (690 V, 100 kA)       • for short-circuit protection of the auxiliary switch required     gG: 10 A (690 V, 1 kA)       Installation/ mounting/ dimensions       #/-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	of the auxiliary switch required	
contact rating of auxiliary contacts according to UL Short-circuit protection  product function short circuit protection  design of the fuse link		1 faulty switching per 100 million (17 V, 1 mA)
Short-circuit protection   Product function short circuit protection   No		ACOD / DCOD
product function short circuit protection  design of the fuse link  of or short-circuit protection of the main circuit  — with type of coordination 1 required of or short-circuit protection of the auxiliary switch required of or short-circuit protection of the auxiliary switch required of or short-circuit protection of the auxiliary switch required of or short-circuit protection of the auxiliary switch required of or short-circuit protection of the auxiliary switch required of or short-circuit protection of the auxiliary switch required of or short-circuit protection of the auxiliary switch required of of short-circuit protection of the auxiliary switch required of short-circuit protection of the main circuit  ge 63 A (690 V, 100 kA) ge 63 A (690 V, 100 kA)  (ge 10 A (690 V, 100 kA) (ge 10 A (690 V, 10 kA) (ge 10 A (690 V, 1		A600 / P600
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 — for short-circuit protection of the auxiliary switch 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  fastening method  screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height  114 mm  width  75 mm  depth  130 mm  required spacing  • with side-by-side mounting  — forwards — upwards — downwards — downwards — at the side  • for grounded parts — forwards — upwards — to mm  - upwards — upwards — to mm  - upwards — to mm  • for grounded parts — forwards — upwards — upwards — at the side • for grounded parts — forwards — upwards — at the side • for grounded parts — forwards — upwards — at the side • for mm	·	No
for short-circuit protection of the main circuit     — with type of coordination 1 required     — with type of assignment 2 required	<u> </u>	INU
- with type of coordination 1 required    - with type of assignment 2 required    - with type of assignment 2 required    - with type of assignment 2 required    - for short-circuit protection of the auxiliary switch required    - for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  - t/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  fastening method  screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height  114 mm  width  75 mm  depth  required spacing  with side-by-side mounting  - forwards  - upwards  - downwards  - at the side  o mm  for grounded parts  - forwards  - upwards  - forwards  - upwards  - to mm  - upwards  - to mm  10 mm  - upwards  - forwards  - upwards  - forwards  - to mm  10 mm  - upwards  - to mm  10 mm  - to mm  - to mm  - to grounded parts  - forwards  - upwards  - to mm  10 mm  - upwards  - to mm		
- with type of assignment 2 required    of ro short-circuit protection of the auxiliary switch required    of short-circuit protection of the auxiliary switch required spacing  - Installation/ mounting/ dimensions  - H-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 moun		aG: 160 4 (690 V 100 kA)
• for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions    mounting position		
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  fastening method  screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height  114 mm  width  75 mm  depth  130 mm  required spacing  • with side-by-side mounting  — forwards  — upwards  — downwards  — at the side  • for grounded parts  — forwards  — upwards  — to mm  • for grounded parts  — forwards  — upwards  — upwards  — at the side  • for mm  • for grounded parts  — forwards  — upwards  — at the side  • 6 mm		
mounting position  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  fastening method  screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height  114 mm  width  75 mm  depth  130 mm  required spacing  with side-by-side mounting  - forwards  - upwards  - downwards  - at the side  for grounded parts  - forwards  - upwards  - forwards  - to mm  forgrounded parts  - forwards  - upwards  - to mm  forgrounded parts  - forwards  - upwards  - at the side  6 mm		32
backward by +/- 22.5° on vertical mounting surface  fastening method  screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height  114 mm  width  75 mm  depth  130 mm  required spacing  with side-by-side mounting  - forwards  - upwards  - downwards  - at the side  for grounded parts  - forwards  - upwards  - upwards  - to mm  10 mm		+/-180° rotation possible on vertical mounting surface: can be tilted forward and
height 114 mm  width 75 mm  depth 130 mm  required spacing  • with side-by-side mounting  — forwards 10 mm  — upwards 10 mm  — downwards 10 mm  — at the side 0 mm  • for grounded parts  — forwards 10 mm  — at the side 0 mm  • for many and a m		
width         75 mm           depth         130 mm           required spacing	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
depth         130 mm           required spacing         • with side-by-side mounting           — forwards         10 mm           — upwards         10 mm           — downwards         10 mm           — at the side         0 mm           • for grounded parts         10 mm           — upwards         10 mm           — at the side         6 mm	height	114 mm
required spacing  • with side-by-side mounting  — forwards — upwards — downwards — at the side  • for grounded parts — forwards — upwards — upwards — at the side  • for mm  • for mm  • for mm  — at the side  • forwards — at the side  • forwards — upwards — upwards — at the side  • form		
<ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>for grounded parts</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>for mm</li> <li>for mm</li> <li>at the side</li> <li>mm</li> <li>m</li></ul>	·	130 mm
— forwards       10 mm         — upwards       10 mm         — downwards       10 mm         — at the side       0 mm         • for grounded parts       10 mm         — upwards       10 mm         — at the side       6 mm		
<ul> <li>— upwards</li> <li>— downwards</li> <li>— at the side</li> <li>• for grounded parts</li> <li>— forwards</li> <li>— upwards</li> <li>— at the side</li> <li>10 mm</li> <li>— upwards</li> <li>— at the side</li> <li>6 mm</li> </ul>		
<ul> <li>— downwards</li> <li>— at the side</li> <li>● for grounded parts</li> <li>— forwards</li> <li>— upwards</li> <li>— at the side</li> <li>10 mm</li> <li>10 mm</li> <li>6 mm</li> </ul>	— forwards	
<ul> <li>— at the side</li> <li>● for grounded parts</li> <li>— forwards</li> <li>— upwards</li> <li>— at the side</li> <li>0 mm</li> <li>10 mm</li> <li>6 mm</li> </ul>	•	
<ul> <li>for grounded parts</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>10 mm</li> <li>6 mm</li> </ul>		
<ul> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>10 mm</li> <li>6 mm</li> </ul>		0 mm
<ul><li>upwards</li><li>at the side</li><li>6 mm</li></ul>	-	
— at the side 6 mm	— forwards	10 mm
	— upwards	10 mm
— downwards 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	
<ul> <li>for main current circuit</li> </ul>	screw-type terminals
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections for main contacts	
<ul> <li>solid or stranded</li> </ul>	2x (1 35 mm²), 1x (1 50 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1 25 mm²), 1x (1 35 mm²)
connectable conductor cross-section for main contacts	
<ul> <li>solid or stranded</li> </ul>	1 50 mm²
finely stranded with core end processing	1 35 mm²
connectable conductor cross-section for auxiliary contacts	
<ul> <li>solid or stranded</li> </ul>	0.5 2.5 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²
<ul> <li>finely stranded without core end processing</li> </ul>	0.5 2.5 mm²
type of connectable conductor cross-sections	
<ul> <li>for auxiliary contacts</li> </ul>	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul><li>— solid or stranded</li></ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	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	
• for main contacts	18 1
<ul> <li>for auxiliary contacts</li> </ul>	20 14
Safety related data	
product function	
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes
<ul> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	No
IEC 61508	
T1 value	
<ul> <li>for proof test interval or service life according to IEC 61508</li> </ul>	20 a
Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Communication/ Protocol	
product function bus communication	No
Approvals Certificates	
General Product Approval	

## General Product Approval







Confirmation





EMV **General Product Approval Functional Saftey** 

Type Examination Cer-tificate

**Test Certificates** 

Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping

<u>KC</u>













Marine / Shipping

other

Railway

**Dangerous Good** 

**Environment** 



Confirmation

Special Test Certificate

Transport Information



Environmental Confirmations

## Further information

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=3RT2336-1NB30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2336-1NB30

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2336-1NB30

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

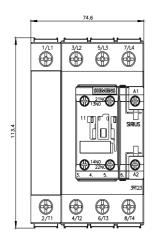
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2336-1NB30&lang=en

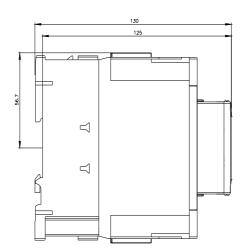
Characteristic: Tripping characteristics, I2t, Let-through current

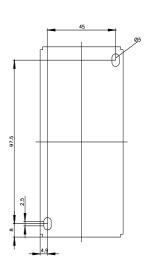
https://support.industry.siemens.com/cs/ww/en/ps/3RT2336-1NB30/char

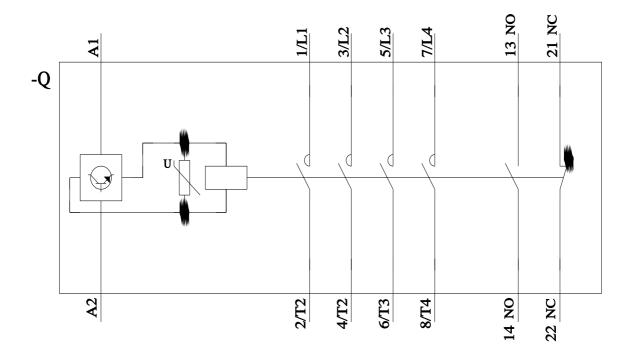
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2336-1NB30&objecttype=14&gridview=view1









last modified: 3/14/2024 🖸

## **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

3RT23361NB30