## **SIEMENS**

Data sheet 3RT2325-2AG20



contactor AC-1, 35 A, 400 V / 40 °C, 4-pole, 110 V AC, 50/60 Hz, auxiliary contacts: 1 NO + 1 NC, spring-loaded terminal, size: S0

product brand name	SIRIUS
product designation	Contactor
product type designation	3RT23
General technical data	
size of contactor	S0
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>	7.6 W
at AC in hot operating state per pole	1.9 W
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	
of main circuit rated value	6 kV
of auxiliary circuit rated value	6 kV
shock resistance at rectangular impulse	
• at AC	7,5g / 5 ms, 4,7g / 10 ms
shock resistance with sine pulse	
• at AC	11,8g / 5 ms, 7,4g / 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)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	
number of poles for main current circuit	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>	35 A

- up to 690 V at ambient temperature 40 °C rated value - up to 690 V at ambient temperature 60 °C rated value  • at AC-3 - at 400 V rated value • at AC-3 + 4100 V rated value  • at AC-3 + 4100 V rated value  • at AC-3 + 4100 V rated value  • at AC-3 + 4100 V rated value  • at AC-3 + 4100 V rated value  • at AC-3 at 400 V rated value  • at AC-4 to 5 s switching at zero current maximum  • limited to 1 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 s switching at zero current maximum  • limited to 30 switching at zero current maximum  • limited to 30 switching at zero current maximum  • limited to 30 switching at zero current maximum  • limited to 30 switching at zero current maximum  • limited to 30 switching at zero current maximum  • limited to 30 switching at zero current maximum  • limited to 30 switching at zero current maximum  • limited to 30 switching at zero current maximum  • limited to 30 switching at zero current maximum  • limited to 30 switching at zero current maximum  • limited to	a at AC 1	
value	• at AC-1  — up to 600 V at ambient temperature 40 °C rated	35 Δ
value  * at AC-3  — at 400 V rated value  * at AC-3 at 400 V rated value  * at AC-3 at 400 V rated value  * at AC-3 at 400 V rated value  * operating power  * at AC-3 at 400 V rated value  * ilmited to 1 s switching at zero current maximum  * limited to 10 s switching at zero current maximum  * limited to 30 s switching at zero current maximum  * limited to 30 s switching at zero current maximum  * limited to 30 s switching at zero current maximum  * limited to 80 s switching at zero current maximum  * limited to 60 s switching at zero current maximum  * limited to 60 s switching at zero current maximum  * limited to 60 s switching at zero current maximum  * limited to 60 s switching at zero current maximum  * limited to 60 s switching at zero current maximum  * limited to 10 s switching at zero current maximum  * limited to 60 s switching at zero current maximum  * limited to 60 s switching at zero current maximum  * limited to 60 s switching at zero current maximum  * limited to 60 s switching at zero current maximum  * limited to 60 s switching at zero current maximum  * limited to 60 s switching at zero current maximum  * limited to 60 s switching at zero current maximum  * limited to 60 s switching at zero current maximum  * limited to 60 s switching at zero current maximum  * limited to 60 s switching at zero current maximum  * limited to 60 s switching at zero current maximum  * limited to 60 s switching at zero current maximum  * limited to 60 s switching at zero current maximum  * limited to 60 s switching at zero current maximum  * limited to 60 switching at zero current maximum  * limited to 60 switching at zero current maximum  # limited to 60 switching at zero current maximum  # limited to 60 switching at zero current maximum  # limited to 60 swit		33 A
at AC-3 — at 400 V rated value	— up to 690 V at ambient temperature 60 °C rated	30 A
* at AC-4 at 400 V rated value 15.5 Å  * at AC-4 at 400 V rated value 10 mm²   value   operating power  * at AC-3 at 400 V rated value 7.5 kW  * at AC-4 at 400 V rated value 7.5 kW  * at AC-4 at 400 V rated value 7.5 kW  * at AC-4 at 400 V rated value 7.5 kW  * at AC-4 at 400 V rated value 7.5 kW  * at AC-4 at 400 V rated value 7.5 kW  * at AC-4 at 400 V rated value 7.5 kW  * at AC-4 at 400 V rated value 7.5 kW  * at AC-4 at 400 V rated value 8.1 km value 10 km value 11		
e at AC-4 at 400 V rated value  minimum cross-section in main circuit at maximum AC-1 rated value  operating power  e at AC-3 at 400 V rated value  7.5 kW  short-time withstand current in cold operating state up to 40 °C  e limited to 1 s switching at zero current maximum  e limited to 5 s switching at zero current maximum  e limited to 5 s switching at zero current maximum  e limited to 50 s switching at zero current maximum  e limited to 50 s switching at zero current maximum  e limited to 60 s switching at zero current maximum  e limited to 60 s switching at zero current maximum  e limited to 60 s switching at zero current maximum  e limited to 80 s switching at zero current maximum  e limited to 80 s switching at zero current maximum  for load switching frequency  e at AC  5 000 1/h  operating frequency at AC-1 maximum  control supply voltage  AC  control supply voltage at AC  e at 50 Hz rated value  110 V  operating range factor control supply voltage rated value of magnet coil at AC  e at 50 Hz rated value  operating range factor control supply voltage rated value of magnet coil at AC  e at 50 Hz  e at 60 Hz  e		
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<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>o.28</li> <li>closing delay</li> <li>at AC</li> <li>at AC</li> <li>at 40 ms</li> <li>opening delay</li> </ul>		79 VA
● at 60 Hz  apparent holding power of magnet coil at AC  ● at 50 Hz  ● at 60 Hz  10.5 VA  ● at 60 Hz  inductive power factor with the holding power of the coil  ● at 50 Hz  ● at 60 Hz  0.25  ● at 60 Hz  closing delay  ● at AC  opening delay  One inductive power factor with the holding power of the coil  8 40 ms		
apparent holding power of magnet coil at AC  • at 50 Hz  • at 60 Hz  inductive power factor with the holding power of the coil  • at 50 Hz  • at 60 Hz  0.25  • at 60 Hz  closing delay  • at AC  opening delay		
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>closing delay</li> <li>at AC</li> <li>opening delay</li> </ul>		0.74
• at 60 Hz  inductive power factor with the holding power of the coil             • at 50 Hz             • at 60 Hz  closing delay             • at AC  opening delay  • at AC  opening delay		40.5.1/4
inductive power factor with the holding power of the coil  • at 50 Hz  • at 60 Hz  Closing delay  • at AC  opening delay		
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>closing delay</li> <li>at AC</li> <li>opening delay</li> </ul> 8 40 ms		8.5 VA
● at 60 Hz		0.25
closing delay  ● at AC  opening delay  8 40 ms		
• at AC 8 40 ms  opening delay		0.20
opening delay		8 40 ms
	• at AC	4 16 ms
arcing time 10 10 ms		
control version of the switch operating mechanism  Standard A1 - A2		
Auxiliary circuit		
number of NC contacts for auxiliary contacts 1		1
attachable 2	attachable	2
• instantaneous contact 1	• instantaneous contact	1
number of NO contacts for auxiliary contacts 1	number of NO contacts for auxiliary contacts	1
• attachable 2	attachable	2
• instantaneous contact 1	instantaneous contact	1
operational current at AC-12 maximum 10 A	operational current at AC-12 maximum	10 A
operational current at AC-15	operational current at AC-15	
• at 230 V rated value 10 A	• at 230 V rated value	10 A
• at 400 V rated value 3 A	• at 400 V rated value	3 A
• at 500 V rated value 2 A	<ul> <li>at 500 V rated value</li> </ul>	2 A

A	-t 000 \ /tdl	4.6
### 24 V rated value	at 690 V rated value	1 A
e. al. 48 V rated value	•	
* 16 DV rated value		
a 11 10 V rated value		
a in 125 V rated value	<ul> <li>at 60 V rated value</li> </ul>	6 A
1 A   15 A   1	<ul> <li>at 110 V rated value</li> </ul>	3 A
	at 125 V rated value	2 A
a 2 4 7 raid x value	at 220 V rated value	1 A
at 24 V rated value at 48 V rated value 2 A at 125 V rated value 1 126 V rated value 1 226 V rated value 2 126 V rated value 1 227 V rated value 2 126 V rated value 2 127 V rated value 2 128 V rated value 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	at 600 V rated value	0.15 A
	operational current at DC-13	
• at 110 V rated value	at 24 V rated value	10 A
at 125 V rated value but 220 V rated value cat 200 V rated value	at 48 V rated value	2 A
of 1220 V rated value     design of the ministure 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)  UU-CSA ratings  Contact rating of auxiliary contacts according to UL  Short-circuit protection  Product function short circuit protection  of for short-circuit protection of the main circuit  - with type of coordination 1 required  - with type of coordination 2 required  - with type of coordination 2 required  of short-circuit protection of the auxiliary switch required  of short-circuit protection of the auxiliary switch required  installation/mounting dimensions  mounting position  fastening method  • side-by-side mounting  • with side-by-side mounting  • with side-by-side mounting  - forwards  - upwards  - downwards  - downwards  - downwards  - downwards  - downwards  - upwards  • of regrounded parts  - forgrounded parts  - forgro	<ul> <li>at 110 V rated value</li> </ul>	1 A
design of the ministure circuit breaker for short-circuit protection of the auxiliary contacts  contact reliability of auxiliary contacts  contact reliability of auxiliary contacts  contact reting of suxiliary contacts according to U.  Short-Circuit protection  Contact reting of auxiliary contacts according to U.  Short-Circuit protection of the main circuit  - with type of coordination 1 required of season with type of assignment 2 required of or short-circuit protection of the main circuit  - with type of coordination 1 required of or short-circuit protection of the main circuit  - with type of assignment 2 required of or short-circuit protection of the auxiliary switch required or or short-circuit protection of the auxiliary switch required or or short-circuit protection of the auxiliary switch required or or short-circuit protection of the auxiliary switch required or or short-circuit protection of the auxiliary switch required or or short-circuit protection of the auxiliary switch required or	<ul> <li>at 125 V rated value</li> </ul>	0.9 A
design of the miniature circuit preaker for short-circuit protection of the auxiliary switch required contact ratiobility of auxiliary contacts   1 faulty switching per 100 million (17 V, 1 mA)	• at 220 V rated value	0.3 A
of the auxiliary switch required  contact reliability of auxiliary contacts  UL/CSA ratings  contact rating of auxiliary contacts according to UL  A600 / Q600  Short-circuit protection  product function short circuit protection of the main circuit  with type of coordination 1 required  with type of coordination 1 required  of or short-circuit protection of the auxiliary switch required  of store of the circuit of short circuit possible on vertical mounting surface; can be titled forward and backward by 4/- 22.5° on vertical mounting surface; can be titled forward and backward by 4/- 22.5° on vertical mounting surface; can be titled forward and backward by 4/- 22.5° on vertical mounting surface; can be titled forward and backward by 4/- 22.5° on vertical mounting surface; can be titled forward and backward by 4/- 22.5° on vertical mounting surface; can be titled forward and backward by 4/- 22.5° on vertical mounting surface; can be titled forward and backward by 4/- 22.5° on vertical mounting surface; can be titled forward and backward by 4/- 22.5° on vertical mounting surface; can be titled forward and backward by 4/- 22.5° on vertical mounting surface; can be titled forward and backward by 4/- 22.5° on vertical mounting surface; can be titled forward and backward by 4/- 22.5° on vertical mounting surface; can be titled forward and backward by 4/- 22.5° on vertical mounting surface; can be titled forwar	• at 600 V rated value	0.1 A
Contact rating of auxiliary contacts according to UL A600 / Q600  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 — with type of assignment 2 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 spring-loaded terminals  • for suxiliary and control circuit • for auxiliary and control circuit • of magnet coil  type of connectable conductor cross-sections for main contacts • sold  • for connectable conductor cross-sections for main contacts • sold		gG: 10 A (230 V, 400 A)
Contact rating of auxiliary contacts according to UL A600 / Q600  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 — with type of assignment 2 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 spring-loaded terminals  • for suxiliary and control circuit • for auxiliary and control circuit • of magnet coil  type of connectable conductor cross-sections for main contacts • sold  • for connectable conductor cross-sections for main contacts • sold		1 faulty switching per 100 million (17 V, 1 mA)
contact rating of auxiliary contacts according to UL  Short-circuit protection  product function short circuit protection  of short-circuit protection of the main circuit  - with type of coordination 1 required  of or short-circuit protection of the main circuit  - with type of assignment 2 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 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 state-industry switch and possible on vertical mounting surface; can be tilted forward and backward by 4+/22.5' on vertical mounting surface; can be tilted forward and backward by 4+/22.5' on vertical mounting surface; can be tilted forward and backward by 4+/22.5' on vertical mounting surface; can be tilted forward and backward by 4+/22.5' on vertical mounting surface; can be tilted forward and backward by 4+/22.5' on vertical mounting surface; can be tilted forward and backward by 4+/22.5' on vertical mounting surface; can be tilted forward and backward by 4+/22.5' on vertical mounting surface; can be tilted forward and backward by 4+/22.5' on vertical mounting surface; can be tilted forward and backward by 4+/22.5' on vertical mounting surface; can be tilted forward and backward by 4+/22.5' on vertical mounting surface; can be tilted forward and backward by 4+/22.5' on vertical mounting surface; can be tilted forward and backward by 4+/22.5' on vertical mounting surface; can be tilted forward and backward by 4+/22.5' on vertical mounting surface; can be tilted forward and		
Short-circuit protection product function short circuit protection design of the fuse link		A600 / Q600
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 96: 63 A (690 V, 100 kA) 96: 20 A (690 V, 100 kA) 96: 30 A (690 V, 100 kA) 96: 40 A (690 V, 100 kA) 96: 30 A (690 V, 100 kA) 96: 40 A (690 V, 100 kA) 97: 40 A (690 V, 100 ka)		
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 for short-circuit protection of the auxiliary switch required fisatellation/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	·	No
of tor short-circuit protection of the main circuit         — with type of coordination 1 required         — 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 switch slide on wettical mounting surface; can be filled forward and backward by */- 22.5' on vertical mounting surface; can be filled forward and backward by */- 22.5' on vertical mounting surface; can be filled forward and backward by */- 22.5' on vertical mounting surface; can be filled forward and backward by */- 22.5' on vertical mounting surface; can be filled forward and backward by */- 22.5' on vertical mounting surface; can be filled forward and backward by */- 22.5' on vertical mounting surface; can be filled forward and backward by */- 22.5' on vertical mounting surface; can be filled forward and backward by */- 22.5' on vertical mounting surface; can be filled forward and backward by */- 22.5' on vertical mounting surface; can be filled forward and backward by */- 22.5' on vertical mounting surface; can be filled forward and backward by */- 22.5' on vertical mounting surface; can be filled forward and backward by */- 22.5' on vertical mounting surface; can be filled forward and backward by */- 22.5' on vertical mounting surface; can be filled forward and backwa		
- with type of coordination 1 required    - with type of assignment 2 required    - with type of assignment 2 required    - for short-circuit protection of the auxillary switch required    Installation/ mounting/ dimensions  mounting position  #4-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  #5 side-by-side mounting  #60 mm	-	
- with type of assignment 2 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; can be tilted forward and backward by #/- 22.5* on vertical mounting surface; can be tilted forward 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 vert	•	aC: 63 A (600 V 100 kA)
• for short-circuit protection of the auxiliary switch required   Installation/ mounting/ drimensions	**	
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 sackward by +/ 22.5° on vertical mounting surface; can be tilted forward and sackward by +/ 22.5° on vertical mounting surface; can be tilted forward and sackward by +/		
mounting position  #/-180" rotation possible on vertical mounting surface; can be tilted forward and backward by +/-22.5" on vertical mounting surface screw and sate		gG: 10 A (690 V, 1 kA)
fastening method side-by-side mounting side-by-side mounting side-by-side mounting side-by-side mounting Yes  height 102 mm width 60 mm  fequired spacing with side-by-side mounting forwards forwards for grounded parts forwards for grounded parts forwards for forwards forwards forwards forwards forwards forwards forwards for grounded parts forwards for grounded parts forwards for grounded parts forwards for mine grounded parts for mine grounded parts forwards for mine grounded parts for mine grounded parts for mine grounded parts formards for mine grounded parts		
side-by-side mounting     height     width	mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
height	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
width 60 mm  depth 97 mm  required spacing  • with side-by-side mounting  — forwards 10 mm  — upwards 10 mm  — downwards 10 mm  • for grounded parts  — forwards 10 mm  • for grounded parts  — at the side 0 mm  — at the side 6 mm  — at the side 6 mm  — downwards 10 mm  • for live parts  — forwards 10 mm  • for live parts  — forwards 10 mm  • for live parts  — forwards 10 mm  • for live parts  — formards 10 mm  • for live parts  — forwards 5 mm  — the side 6 mm  — connections/ Terminals   type of electrical connection  • for auxiliary and control circuit spring-loaded terminals  • of magnet coil spring-type terminals  type of connectable conductor cross-sections for main contacts  • solid 2x (1 10 mm²)	side-by-side mounting	Yes
required spacing  ● with side-by-side mounting  — forwards — upwards — otherwards — at the side — of grounded parts — forwards — upwards — 10 mm  ● for grounded parts — forwards — upwards — 10 mm — upwards — at the side — downwards — 10 mm — of mm  ■ for live parts — forwards — upwards — 10 mm — of mm — of mm  ■ for live parts — forwards — upwards — of mm	height	102 mm
required spacing  with side-by-side mounting  — forwards — upwards — downwards — at the side  of or grounded parts — forwards — upwards — upwards — upwards — upwards — upwards — 10 mm — upwards — upwards — 10 mm — odwnwards — 10 mm — odwnwards — 10 mm — odwnwards — 10 mm  of for live parts — forwards — forwards — upwards — upwards — the side — downwards — the side — downwards — of mm — commands — upwards — at the side — of mm  Connections/ Terminals  type of electrical connection  of magine corrections of magnet coil  type of connectable conductor cross-sections for main contacts of magnet coil  type of connectable conductor cross-sections for main contacts of of magnet coil  type of connectable conductor cross-sections for main contacts of solid	width	60 mm
with side-by-side mounting     — forwards     — upwards     — downwards     — downwards     — at the side     o mm      for grounded parts     — forwards     — upwards     — upwards     — upwards     — upwards     — upwards     — at the side     — downwards     — at the side     — downwards     of or live parts     — forwards     — upwards     — upwards     — upwards     — of or live parts     — forwards     — upwards     — upwards     — upwards     — downwards     — upwards     — downwards     — downwards     — at the side     Onm  Connections/ Terminals  type of electrical connection     of or main current circuit     of or maxiliary and control circuit     at contactor for auxiliary contacts     of magnet coil  type of connectable conductor cross-sections for main contacts     osolid  type of connectable conductor cross-sections for main contacts     osolid	depth	97 mm
- 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 - downwards 10 mm - downwards 6 mm  Connections/ Terminals  type of electrical connection • for auxiliary and control circuit spring-loaded terminals • at contactor for auxiliary contacts • of magnet coil  type of connectable conductor cross-sections for main contacts • solid  type of connectable conductor cross-sections for main contacts • solid  10 mm - 10	required spacing	
- upwards 10 mm - downwards 10 mm - at the side 0 mm  • for grounded parts - forwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm • for live parts - forwards 10 mm - at wards 10 mm  • for live parts - forwards 10 mm - downwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - for main current circuit spring-loaded terminals - for auxiliary and control circuit spring-loaded terminals • at contactor for auxiliary contacts • of magnet coil Spring-type terminals  type of connectable conductor cross-sections for main contacts • solid 2x (1 10 mm²)	<ul> <li>with side-by-side mounting</li> </ul>	
- downwards	— forwards	10 mm
- at the side  • for grounded parts  - forwards  - upwards  - at the side  - downwards  • for live parts  - forwards  - upwards  - forwards  - forwards  - forwards  - forwards  - upwards  - upwards  - upwards  - downwards  - at the side  6 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  • solid  2x (1 10 mm²)	— upwards	10 mm
for grounded parts         — forwards         — upwards         — at the side         — downwards         • for live parts         — forwards         — forwards         — forwards         — forwards         — forwards         — upwards         — upwards         — upwards         — upwards         — at the side         — downwards         — 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         • solid  2x (1 10 mm²)	— downwards	10 mm
- forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm  • for live parts - forwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - at the side 6 mm  Connections/ Terminals  type of electrical connection • for main current circuit spring-loaded terminals • at contactor for auxiliary and control circuit spring-loaded terminals • at contactor for auxiliary contacts • of magnet coil Spring-type terminals  type of connectable conductor cross-sections for main contacts • solid 2x (1 10 mm²)	— at the side	0 mm
- forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm  • for live parts - forwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - at the side 6 mm  Connections/ Terminals  type of electrical connection • for main current circuit spring-loaded terminals • at contactor for auxiliary and control circuit spring-loaded terminals • at contactor for auxiliary contacts • of magnet coil Spring-type terminals  type of connectable conductor cross-sections for main contacts • solid 2x (1 10 mm²)	for grounded parts	
- at the side - 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 • solid  6 mm  6 mm  Connections/ Terminals  5 pring-loaded terminals  5 pring-loaded terminals  5 pring-type terminals  5 pring-type terminals		10 mm
- at the side	— upwards	10 mm
- 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  • solid  10 mm  10 mm  6 mm  Connections/ Terminals  5 mm  Connections/ Terminals  5 pring-loaded terminals  5 pring-loaded terminals  5 pring-type terminals  5 pring-type terminals  4 contactor for auxiliary contacts  5 pring-type terminals  5 pring-type terminals  6 connectable conductor cross-sections for main contacts  6 solid	·	6 mm
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         • solid  2x (1 10 mm²)		
forwards 10 mm upwards 10 mm downwards 10 mm at the side 6 mm  Connections/ Terminals  type of electrical connection  • for main current circuit spring-loaded terminals • for auxiliary and control circuit spring-loaded terminals • at contactor for auxiliary contacts • of magnet coil Spring-type terminals  type of connectable conductor cross-sections for main contacts • solid 2x (1 10 mm²)		
- 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 • solid  10 mm 10 mm 20 mm	•	10 mm
- 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 • solid  10 mm  6 mm  Spring-loaded terminals  spring-loaded terminals  Spring-type terminals  2x (1 10 mm²)		
— at the side 6 mm  Connections/ Terminals  type of electrical connection  • for main current circuit spring-loaded terminals  • for auxiliary and control circuit spring-loaded terminals  • at contactor for auxiliary contacts Spring-type terminals  • of magnet coil Spring-type terminals  type of connectable conductor cross-sections for main contacts  • solid 2x (1 10 mm²)	·	
type of electrical connection  • for main current circuit spring-loaded terminals  • for auxiliary and control circuit spring-loaded terminals  • at contactor for auxiliary contacts Spring-type terminals  • of magnet coil Spring-type terminals  type of connectable conductor cross-sections for main contacts  • solid 2x (1 10 mm²)		
type of electrical connection  • for main current circuit spring-loaded terminals  • for auxiliary and control circuit spring-loaded terminals  • at contactor for auxiliary contacts Spring-type terminals  • of magnet coil Spring-type terminals  type of connectable conductor cross-sections for main contacts  • solid 2x (1 10 mm²)		O TIME
<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid</li> <li>spring-loaded terminals</li> <li>Spring-type terminals</li> <li>2x (1 10 mm²)</li> </ul>		
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>Spring-type terminals</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid</li> <li>2x (1 10 mm²)</li> </ul>		
<ul> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>Spring-type terminals</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid</li> <li>2x (1 10 mm²)</li> </ul>		
of magnet coil  type of connectable conductor cross-sections for main contacts     solid  Spring-type terminals  2x (1 10 mm²)	•	
type of connectable conductor cross-sections for main contacts  ● solid  2x (1 10 mm²)	·	
● solid 2x (1 10 mm²)		Spring-type terminals
	type of connectable conductor cross-sections for main contacts	
• solid or stranded 2x (1 10 mm²)	• solid	
	solid or stranded	2x (1 10 mm²)

<ul> <li>finely stranded with core end processing</li> </ul>	2x (1 6 mm²)
finely stranded without core end processing	2x (1 6 mm²)
connectable conductor cross-section for main contacts	
• solid	1 10 mm²
<ul> <li>solid or stranded</li> </ul>	1 10 mm²
• stranded	1 10 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	1 6 mm²
finely stranded without core end processing	1 6 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 1.5 mm²
finely stranded without core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	
<ul> <li>for auxiliary contacts</li> </ul>	
— solid	2x (0.5 2.5 mm²)
<ul> <li>solid or stranded</li> </ul>	2x (0.5 2.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.5 2.5 mm²)
<ul> <li>for AWG cables for auxiliary contacts</li> </ul>	2x (20 14)
AWG number as coded connectable conductor cross section	
• for main contacts	18 8
<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
T1 value for proof test interval or service life according to IEC 61508	20 a
protection class IP on the front according to IEC 60529	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
Certificates/ approvals	



General Product Approval



Confirmation







EMC

Functional Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping

Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report



## Marine / Shipping













other Railway Environment



## **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=3RT2325-2AG20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2325-2AG20

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2325-2AG20

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

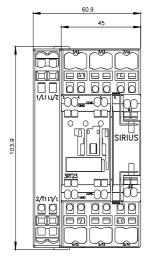
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2325-2AG20&lang=en

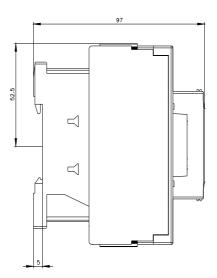
Characteristic: Tripping characteristics, I2t, Let-through current

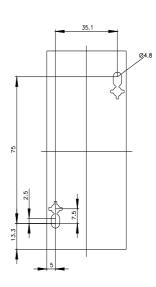
https://support.industry.siemens.com/cs/ww/en/ps/3RT2325-2AG20/char

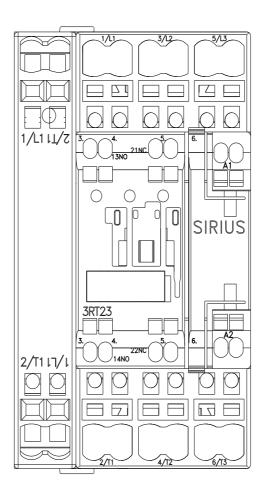
Further characteristics (e.g. electrical endurance, switching frequency)

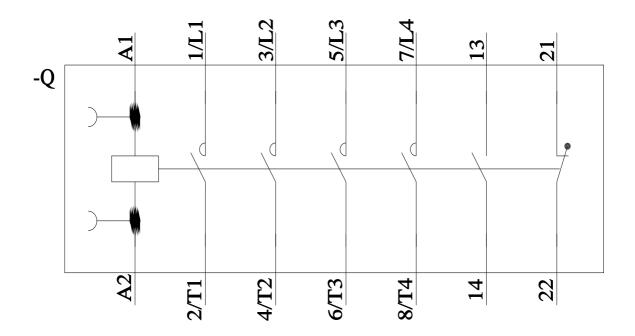
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2325-2AG20&objecttype=14&gridview=view1











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