SIEMENS

Data sheet

3RT2325-2BB40



contactor AC-1, 35 A, 400 V / 40 $^\circ$ C, 4-pole, 24 V DC, 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	SO
product extension	
 function module for communication 	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	7.6 W
 at AC in hot operating state per pole 	1.9 W
 without load current share typical 	5.9 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 3 rated value 	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 DC	10g / 5 ms, 7,5g / 10 ms
shock resistance with sine pulse	
• at DC	15g / 5 ms, 10g / 10 ms
mechanical service life (operating cycles)	
 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)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	
number of poles for main current circuit	4
number of NO contacts for main contacts	4
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated 	35 A

value			
• at AC-1	25.4		
— up to 690 V at ambient temperature 40 °C rated value	35 A		
— up to 690 V at ambient temperature 60 °C rated	30 A		
value			
• at AC-3			
— at 400 V rated value	15.5 A		
• at AC-4 at 400 V rated value	15.5 A		
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm ²		
operating power			
• at AC-3 at 400 V rated value	7.5 kW		
• at AC-4 at 400 V rated value	7.5 kW		
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 DC	1 500 1/h		
operating frequency at AC-1 maximum	1 000 1/h		
Control circuit/ Control			
type of voltage	DC		
type of voltage of the control supply voltage	DC		
control supply voltage at DC	20		
• rated value	24 V		
operating range factor control supply voltage rated value of			
magnet coil at DC			
initial value	0.8		
full-scale value	1.1		
closing power of magnet coil at DC	5.9 W		
holding power of magnet coil at DC	5.9 W		
closing delay			
• at DC	50 170 ms		
opening delay			
• at DC	15 18 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		
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 500 V rated value	2 A		
• at 690 V rated value	1 A		
operational current at DC-12			
 at 24 V rated value 	10 A		
• at 48 V rated value	6 A		
• at 60 V rated value	6 A		
at 110 V rated value	3 A		
at 125 V rated value	2 A		
at 220 V rated value	1A		
at 600 V rated value	0.15 A		

ore add valueImage: add value• 10.4 V rited value1A• 11.4 V rited value1A• 11.1 V rited value0.5 A• 11.2 V rited value0.5 I A (20 V 400 A)• 11.2 V rited value0.5 I A (
• 449 Vrider value2 A• • • • • • • • • • • • • • • • • • •	operational current at DC-13			
• A• all 10 V rade value0 A• all 25 V rade value0 A• constart radia provides0 A• or short -const provides0 A <t< td=""><td>• at 24 V rated value</td><td>10 A</td></t<>	• at 24 V rated value	10 A		
• 125 V rated value0.9 Å• 125 V rated value0.1 Å• 160 V rated value0.1 Å• 160 V rated value0.1 Å (200 V,400 Å)• once telability of auxilary contacts1 fauly switching per 100 million (17 V, 1 mÅ)• Outcask rating of auxillary contacts according to ULNo• Outcask rating of auxillary contacts0.6 (200 / 6000• Outcask rating of auxillary contacts according to ULNo• Outcask rating of auxillary contacts0.6 (200 / 6000	 at 48 V rated value 	2 A		
• al 220 V rate value0.3 Åeight of the instature excute breaker for short-circuit protection96: 10 A (230 V, 400 A)design of the instature excute breaker for short-circuit protection4800 / 0600Contact rating of auxiliary contacts according to ULA800 / 0600Short-excute protectionNoShort-excut protection of the main circuit96: 10 A (230 V, 400 A)e-ordiar failed protection of the main circuit96: 33 A (600 V, 100 KA)with por of assignment 2 required96: 30 A (600 V, 100 KA)with por of assignment 2 required96: 30 A (600 V, 100 KA)with por of assignment 2 required96: 30 A (600 V, 100 KA)with por of assignment 2 required96: 10 A (230 V, 400 KA)with por of assignment 2 required96: 10 A (230 V, 400 KA)with short 0-cut protection of the auxility switch required96: 10 A (230 V, 100 KA)with short 0-cut protection of the auxility switch required96: 10 A (230 V, 100 KA)with short 0-cut protection of the auxility switch required switch 2 Schort 0-cut protection conting96: 10 A (230 V, 100 KA)with short 0-cut protection96: 10 A (230 V, 100 KA)10 A (200 V, 100 KA)with short 0-cut protection96: 10 A (230 V, 100 KA)10 A (200 V, 100 KA)with short 0-cut protection90: 10 A (200 V, 100 KA)10 A (200 V, 100 KA)with short 0-cut protection90: 10 A (200 V, 100 KA)10 A (200 V, 100 KA)with short 0-cut protection90: 10 A (200 V, 100 KA)10 A (200 V, 100 KA)with short 0-cut protection90: 10 A (200 V, 100 KA)10	 at 110 V rated value 	1 A		
• #1600 Yrsied value01.1offer availage settor regulated for short-circuit protects96:10.0 (230 V.400 A)Contact reliability of availage contacts1 fauly settoring protection (200 V.200 V.	 at 125 V rated value 	0.9 A		
essays of the instance circuit protection of the auxiliary solution required of the auxiliary solution required of the auxiliary solution contracts according to UL A000 / 0800 Contact reliability of auxiliary contacts according to UL A000 / 0800 Stort activity protection No Ordinary contracts according to UL A000 / 0800 Stort activity protection No - with type of condination 1 required - for short-cruut protection of the auxiliary with required - for short-cruut protection of the auxiliary with required - for short-cruut protection of the auxiliary with required - for words Yes Installing method - statistic mounting of the transition - forwards Server and short of the auxiliary contract and buckward by 4-2-25 'on wethold mounting surface; can be titled forward and buckward by 4-2-25 'on wethold mounting surface; can be titled forward and buckward by 4-2-25 'on wethold mounting surface; - forwards required spacing - forwards 10 mm - upwards 10 mm - ontwards 10 mm	 at 220 V rated value 	0.3 A		
of the auxilary availang contacts 1 struty availang or auxilary contacts contact reliability of auxilary contacts 4 struty availang or 100 milion (17 V, 1 mA) contact reliability of auxilary contacts according to UL A 800 / 6800 Struture protection No product function short circuit protection No elesing of the tas link - - with type of adsignment 2 required gG: 53 A (680 V, 100 kA) - with type of adsignment 2 required gG: 63 A (680 V, 100 kA) - with type of adsignment 2 required gG: 63 A (680 V, 100 kA) - with type of adsignment 2 required gG: 63 A (680 V, 100 kA) - with type of adsignment 2 required gG: 70 A (880 V, 100 kA) - with type of adsignment 2 required gG: 70 A (880 V, 100 kA) - with table of mounting surface; can be blied forward and backed spin mounting surface; can be blied forward and backed spin mounting surface; can be blied forward and backed spin mounting surface; can be blied forward and backed spin mounting surface; can be blied forward and backed spin mounting surface; can be blied forward and backed spin mounting surface; can be blied forward and backed spin mounting surface; can be blied forward and backed spin mounting surface; can be blied forward and backed spin mounting surface; can be blied forward and backed spin mounting surface; can be blied forward and backed spin mounting surface; can be blied forward and backed spin mounting surface	• at 600 V rated value	0.1 A		
ULC5A values A600 / 0600 SoftedFacult protection A600 / 0600 product function short circuit protection No eleging of the tase link For short-circuit protection is not circuit protection is availary switch required g: (3 A (090 V, 100 kA) - with type of assignment 2 required g: (3 A (090 V, 100 kA) g: (3 A (090 V, 100 kA) - with type of assignment 2 required g: (3 A (090 V, 100 kA) g: (3 A (090 V, 100 kA) - with type of assignment 2 required g: (3 A (090 V, 100 kA) g: (3 A (090 V, 100 kA) - with type of assignment 2 required g: (3 A (090 V, 100 kA) g: (3 A (090 V, 100 kA) - with side of counting of the awailary switch required g: (3 A (090 V, 100 kA) g: (3 A (090 V, 100 kA) - with side of counting of the awailary switch required g: (3 A (090 V, 100 kA) g: (3 A (090 V, 100 kA) - with side of counting of the awailary switch required g: (3 A (090 V, 100 kA) g: (3 A (090 V, 100 kA) - mounting policities softed system conting to (0 (00 m) g: (0 A (00 m) - fastion is conting 10 mm to (0 m)		gG: 10 A (230 V, 400 A)		
contact rating of auxiliary contacts according to UL A600/0600 Short-chicult protection No product function short circuit protection No design of the fuse link gf: 65 A (690 V, 100 KA) - with type of condination 1 required gf: 65 A (690 V, 100 KA) - with type of condination 1 required gf: 65 A (690 V, 100 KA) - with type of condination 1 required gf: 10 A (690 V, 100 KA) - with type of condination 1 required gf: 10 A (690 V, 100 KA) Instantification mounting dimensions required age and mounting surface: can be litted forward and backward by +2 2.5 °n vertical mounting surface: can be litted forward and backward by +2 2.5 °n vertical mounting surface: can be litted forward and backward by +2 2.5 °n vertical mounting surface: can be litted forward and backward by +2 2.5 °n vertical mounting surface: can be litted forward and backward by +2 2.5 °n vertical mounting surface: can be litted forward and backward by +2 2.5 °n vertical mounting surface: can be litted forward and backward by +2 2.5 °n vertical mounting surface: can be litted forward and backward by +2 2.5 °n vertical mounting surface: can be litted forward and backward by +2 2.5 °n vertical mounting surface: can be litted forward and backward by +2 2.5 °n vertical mounting surface: can be litted forward and backward by +2 2.5 °n vertical mounting surface: can be litted forward and backward by +2 2.5 °n vertical mounting surface: can be litted forward and backward by +2 2.5 °n vertical mounting surface: can be litted forward and backward by +2 2.5 °n vertical mounting surface: can be litted forward a	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)		
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product function short circuit protection No design of the fase link design of the fase link design of the fase link - with type of coordination 1 required	contact rating of auxiliary contacts according to UL	A600 / Q600		
design of the fuse link if or short-circuit protection of the main circuit	Short-circuit protection			
• for short-circuit protection of the main circuit g: 63 A (690 V, 100 kA) - with type of assignment 2 required g: 62 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required g: 10 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required g: 10 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required g: 10 A (690 V, 1 kA) • for short-circuit protection of the auxiliary switch required science and snap-o mounting surface, can be tilted forward and backward by +/- 22 S' on vertical mounting surface, can be tilted forward and backward by +/- 22 S' on vertical mounting surface, can be tilted forward and backward by +/- 22 S' on vertical mounting surface, can be tilted forward and backward by +/- 22 S' on vertical mounting surface, can be tilted forward and backward by +/- 22 S' on vertical mounting surface, can be tilted forward and backward by +/- 22 S' on vertical mounting surface, can be tilted forward and backward by +/- 22 S' on vertical mounting surface, can be tilted forward and backward by +/- 22 S' on vertical mounting surface, can be tilted forward and backward by +/- 22 S' on vertical mounting surface, can be tilted forward and backward by +/- 22 S' on vertical mounting surface, can be tilted forward and backward by +/- 22 S' on vertical mounting surface, can be tilted forward and bio divertify • with side-by-side mounting • 00 mm • 00 mm • expands 10 mm • 00 mm • of origo quards 10 mm • 00 mm <	product function short circuit protection	No		
- with type of assignment 2 required 9G: 83 A (890 V. 100 kA) - with type of assignment 2 required 9G: 20 A (890 V. 100 kA) is of short-circuit protection of the auxiliary switch required 5G: 10 A (890 V. 14A) imauting position +100° rotation possible on vertical mounting surface: can be litted forward and backward by 4/- 225° on vertical mounting surface: can be litted forward and surface fastening method 9C - side by side mounting Yes heigh 00 mm depth 107 mm required spacing - - forwards 100 mm - upwards 100 mm - downwards 00 mm - upwards 100 mm - downwards 100 mm - downwards 10 mm <	design of the fuse link			
- with type of assignment 2 required • for short-circuit protection of the survival required • for grounded parts • for grounded parts • for grounded parts • for short-circuit protection • for survival survival required • for survival survival survival required • for survival survi	 for short-circuit protection of the main circuit 			
• for short-circul protection of the auxiliary switch required g6: 10 A (690 V, 1 KA) Installation inconting dimensions +/180° rotation possible on vertical mounting surface; can be tilted forward and backward by -V, 22.5° on vertical mounting surface; can be tilted forward and backward by -V, 22.5° on vertical mounting surface; can be tilted forward and backward by -V, 22.5° on vertical mounting surface; can be tilted forward and backward by -V, 22.5° on vertical mounting surface; can be tilted forward and backward by -V, 22.5° on vertical mounting surface; can be tilted forward and backward by -V, 22.5° on vertical mounting surface; can be tilted forward and backward by -V, 22.5° on vertical mounting surface; can be tilted forward and backward by -V, 22.5° on vertical mounting surface; can be tilted forward and backward by -V, 22.5° on vertical mounting surface; can be tilted forward and backward by -V, 22.5° on vertical mounting surface; can be tilted forward and backward by -V, 22.5° on vertical mounting surface; can be tilted forward and backward by -V, 22.5° on vertical mounting surface; can be tilted forward and backward by -V, 22.5° on vertical mounting surface; can be tilted forward and backward by -V, 22.5° on vertical mounting surface; can be tilted forward and backward by -V, 22.5° on vertical mounting surface; can be tilted forward and backward by -V, 22.5° on vertical mounting surface; can be tilted forward and backward by -V, 22.5° on vertical mounting surface; can be tilted forward and the processing 100 mm - forwards 100 mm - forwards 100 mm - upwards 100 mm - upwards 100 mm - onvards 100 mm - onvards	 — with type of coordination 1 required 	gG: 63 A (690 V, 100 kA)		
Installation/mounting/dimensions +/-130° rotation possible on vertical mounting surface: can be tilted forward and backward by -/-225° on vertical mounting surface: can be tilted forward and backward by -/-225° on vertical mounting surface: can be tilted forward and backward by -/-225° on vertical mounting surface: can be tilted forward and backward by -/-225° on vertical mounting surface: can be tilted forward and backward by -/-225° on vertical mounting surface: can be tilted forward and backward by -/-225° on vertical mounting surface: can be tilted forward and backward by -/-225° on vertical mounting surface: can be tilted forward and backward by -/-225° on vertical mounting surface: can be tilted forward and depth height 102 mm width 60 mm dopth 102 mm • with side-by-side mounting 100 mm - upwards 10 mm - dorwards 10 mm - at the side 0 mm • for gounded parts 10 mm - dorwards 10 mm<	 — with type of assignment 2 required 	gG: 20 A (690 V, 100 kA)		
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mounting position +1.80° 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 out 0.5 mm DIN cal according to DIN EN 60715 • side-by-side mounting Yes height 102 mm vieth 60 mm depth 107 mm required spacing • • with side-by-side mounting - - forwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 0 mm - at the side 0 mm - downwards 10 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm<	Installation/ mounting/ dimensions			
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vikith 60 mm depth 107 mm required spacing 107 mm • with side-by-side mounting 0 mm - forwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 0 mm - for grounded parts 10 mm - upwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm - downards	 side-by-side mounting 	Yes		
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	connectable conductor cross-section for auxiliary contacts			

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 finely stranded without core end processing 		5	0.5 2.5 mm²			
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 for auxiliary contacts 						
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— solid or stra			2x (0.5 2.5 mm²)			
-	ded with core end process		2x (0.5 1.5 mm²)			
-	ded without core end proc	÷	2x (0.5 2.5 mm²)			
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for auxiliary contacts		2	20 14			
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other		Railway	Dangerous Good	Environment		
<u>Confirmation</u>		Vibration and Shore	ck Transport Information	Environmental Con- firmations		

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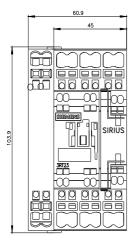
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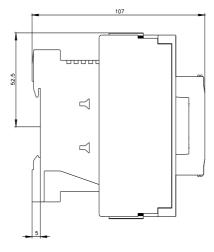
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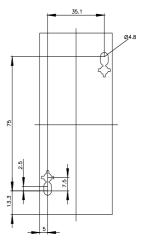
Characteristic: Tripping characteristics, I²t, Let-through current

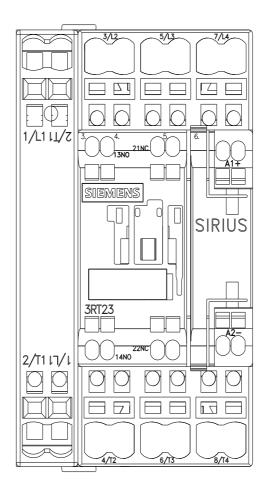
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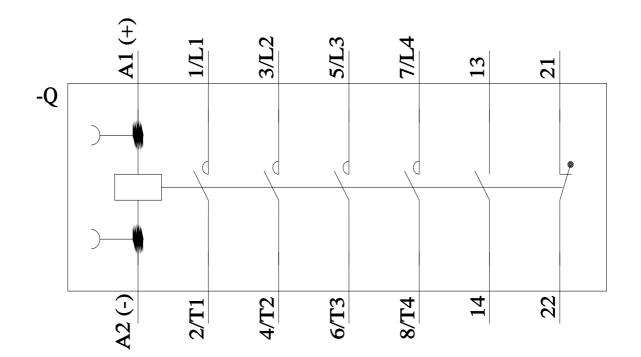
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2325-2BB40&objecttype=14&gridview=view1











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