SIEMENS

Data sheet

3RT2325-1BW40



contactor AC-1, 35 A, 400 V / 40 $^\circ\text{C},$ 4-pole, 48 V DC, auxiliary contacts: 1 NO + 1 NC, screw terminal

product brand name SIRIUS product designation SRT23 General technical data Size of contactor size of contactor S0 product strension No • function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current * • at AC in hot operating state prole 7.6 W • at AC in hot operating state prole 5.9 W • without load current share typical 5.9 W insulation voltage 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 680 V • of main circuit rated value 6 kV • of main circuit with degree of pollution 3 rated value 6 kV • of main circuit rated value 6 kV • of main circuit with degree of pollution 3 rated value 6 kV • of the contactor with added auxiliary switch block typical 10 g / 5 ms, 7.5g / 10 ms mechanical service life (operating cycles) 10 (00 000 • of the contactor with added auxiliary switch block typical 10 000 000	473 8/14		
product type designation 3RT23 Central technical dat	product brand name	SIRIUS	
General technical data S0 size of contactor product extension No • function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current 7.6 W • at AC in hot operating state 7.6 W • at AC in hot operating state 7.6 W • at AC in hot operating state 7.6 W • of man circuit with degree of pollution 3 rated value 690 V • of man circuit with degree of pollution 3 rated value 690 V • of man circuit rated value 64V • of man circuit rated value 64V • of auxiliary circuit rated value 64V • at DC 10g / 5 ms, 7,5g / 10 ms shock resistance with sine pulse 15g / 5 ms, 10g / 10 ms • at DC 10g / 5 ms, 10g / 10 ms mechanical service life (operating cycles) 10 000 000 • of contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10	•		
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• auxiliary switch Yes power loss [W] for rated value of the current	product extension		
power loss [W] for rated value of the current	 function module for communication 	No	
• at AC in hot operating state per pole 7.6 W • at AC in hot operating state per pole 1.9 W • without load current share typical 5.9 W insulation voltage 600 V • of main circuit with degree of pollution 3 rated value 600 V • of main circuit rated value 600 V surge voltage resistance 690 V • of axiliary circuit rated value 6 kV shock resistance at rectangular impulse 6 kV • at DC 10g / 5 ms, 7,5g / 10 ms shock resistance with sine pulse 10 000 000 • of contactor typical 10 000 000 • of contactor with added auxiliary switch block typical 1000000 • of contactor with added auxiliary switch block typical 2000 m reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009 Ambient temperature -25 +60 °C • during operation -25 +80 °C • during storage -55 +80 °C relative humidity minimum 10 % 95 % 95 % maximum 95 %	 auxiliary switch 	Yes	
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• at DC10g / 5 ms, 7,5g / 10 msshock resistance with sine pulse • at DC15g / 5 ms, 10g / 10 ms• at DC15g / 5 ms, 10g / 10 msmechanical service life (operating cycles) • of contactor typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2 Substance Prohibitance (Date)QSubstance Prohibitance (Date)10/01/2009Ambient conditions2 000 minstallation altitude at height above sea level maximum a during storage2 000 m• during storage relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum2 000 mMain circuit4number of poles for main current circuit number of NO contacts for main contacts operational current4	 of auxiliary circuit rated value 	6 kV	
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installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • 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 95 % Main circuit 4 number of poles for main current circuit 4 number of NO contacts for main contacts 4 operational current 4	Substance Prohibitance (Date)	10/01/2009	
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relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit 95 % number of poles for main current circuit 4 number of NO contacts for main contacts 4 operational current 4	 during storage 	-55 +80 °C	
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Main circuit number of poles for main current circuit 4 number of NO contacts for main contacts 4 operational current 4		95 %	
number of poles for main current circuit 4 number of NO contacts for main contacts 4 operational current 4			
number of NO contacts for main contacts 4 operational current 4		1	
operational current	•		
•		*	
	•	35 A	

rated value			
• at AC-1			
— up to 690 V at ambient temperature 40 °C rated value	35 A		
— up to 690 V at ambient temperature 60 °C	30 A		
rated value	50 A		
• 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 mm²		
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			
 rated value 	48 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	50 470		
• at DC	50 170 ms		
opening delay	15 19 mg		
• at DC	15 18 ms 10 10 ms		
arcing time control version of the switch operating mechanism	Standard A1 - A2		
	Stanuaru AT - Az		
Auxiliary circuit	4		
number of NC contacts for auxiliary contacts	1		
attachable instantaneous contact	2		
 instantaneous contact 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	1 A		
• at 600 V rated value	0.15 A		
operational current at DC-13			
• at 24 V rated value	10 A		

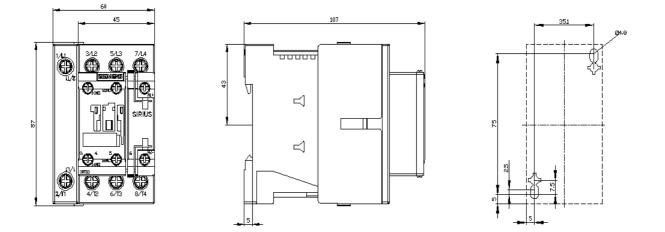
 A A A A A A A A A A A A A A A A A A A	a at 48 V rated value	2 ^			
 ai 125 V rated value ai 260 V rated value 0.1 A 96: 10 A (230 V, 400 A) 96: 10 A (200 V, 100 MA) 96: 10 A (600 V, 100 MA) 97: 10 Mino Housing autoca: 97: 10 Mino Housing a	at 48 V rated value	2 A 1 A			
 af 800 V rated value 0.3 Å af 800 V rated value 0.3 Å design of the ministure circuit presence for short-circuit protection of the axultary solution required faulty switching per 100 million (17 V, 1 mA) U/CSA ratings Contact rating of auxiliary contacts according to UL A600 / 0800 Short-circuit protection or short-circuit protection of the main circuit or short-circuit protection of the main circuit or short-circuit protection of the axultary switch required of short-circuit protection of the axultary switch required side-by-side mounting vith glob or sagned and snap-on mounting ourface: can be blied forward and backward by +/. 22.5" on vertical mounting surface and snap-on mounting on 35 mm DIN rail according to DIN EN 60715 side-by-side mounting vith side-by-side mounting or short circuit protection or mounting outpace or mounting outpace<					
• at 600 V rated value 0.1 A gesign of the mainture circuit threaker for short-circuit gG: 10 A (230 V, 400 A) contact relativity of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) ULCSA ratings A 600 / 0800 Sont-Circuit protection A 600 / 0800 Sont-Circuit protection A 600 / 0800 For short-circuit protection of the main circuit					
design of the ministure circuit breaker for short-circuit protection of the axultary solution required 9G: 10 A (230 V, 400 A) UICSA ratings 1 faulty switching per 100 million (17 V, 1 mA) UICSA ratings A000 / 0800 Sinor-Circuit protection No design of the fuse link • or short-circuit protection of the main circuit - with type of assignment 2 required 9G: 83 A (800 V, 100 kA) • for short-circuit protection of the axultary switch required 9G: 82 A (800 V, 100 kA) • for short-circuit protection of the axultary switch required 9G: 82 A (800 V, 100 kA) • for short-circuit protection of the axultary switch required 9G: 82 A (800 V, 100 kA) • for short-circuit protection of the axultary switch required 9G: 82 A (800 V, 100 kA) • for short-circuit protection of the axultary switch required 9G: 82 A (800 V, 100 kA) • for short-circuit protection of the axultary switch required 9G: 80 A (800 V, 100 kA) • side-by-side mounting +1-180° rotation possible on vertical mounting surface; can be tilted forward and backward by V ⁺ 22 S ⁺ on vertical mounting surface • side-by-side mounting Yes • side-by-side mounting 0 mm • or produce parts 10 mm • or produce parts					
protection of the auxilary solution required contact reliability of auxiliary contacts contact reliability of auxiliary contacts according to UL A 600 / 0600 StoreCircuit protection product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination trequired 9G: 63 A (690 V, 100 kA) 9G: 60 A (6					
contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) VUCSA ratings A800 / Q800 Short-focult protection No design of the fuse link No - for short-focult protection of the main circuit - - with type of coordination 1 required gG: 63 A (680 V, 100 kA) - with type of coordination 1 required gG: 63 A (680 V, 100 kA) - for short-focult protection of the auxiliary switch required gG: 10 A (680 V, 100 kA) - for short-focult protection of the auxiliary switch required gG: 10 A (680 V, 100 kA) - side-by-side mounting dimensions +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; fastening method 85 mm - side-by-side mounting Yes - side-by-side mounting Yes - forwards 10 mm - forwards 10 mm - downwards 10 mm - do		90. 10 A (200 V, 400 A)			
contact rating of auxiliary contacts according to UL A600 / G800 Short-circuit protection No design of the fuse link Instance - or short-circuit protection of the main circuit - with type of coordination 1 required 9G: 63 A (690 V, 100 KA) - with type of coordination 1 required - gG: 63 A (690 V, 100 KA) - gG: 63 A (690 V, 100 KA) - with type of coordination 1 required - gG: 63 A (690 V, 100 KA) - gG: 63 A (690 V, 100 KA) - with type of coordination 1 required - gG: 63 A (690 V, 100 KA) - gG: 63 A (690 V, 100 KA) - with type of coordination 1 required - gG: 63 A (690 V, 100 KA) - gG: 63 A (690 V, 100 KA) required - gG: 63 A (690 V, 100 KA) - gG: 63 A (690 V, 100 KA) required - gG: 63 A (690 V, 100 KA) - gG: 63 A (690 V, 100 KA) required - gG: 63 A (690 V, 100 KA) - gG: 63 A (690 V, 100 KA) required - gG: 63 A (690 V, 100 KA) - gG: 63 A (690 V, 100 KA) required - gG: 63 A (690 V, 100 KA) - gG: 63 A (690 V, 100 KA) required - gG: 63 A (690 V, 100 KA) - gG: 63 A (690 V, 100 KA) required - gG: 63 A (690 V, 100 KA) - gG: 63 A (690 V, 100 KA)		1 faulty switching per 100 million (17 V, 1 mA)			
contact rating of auxiliary contacts according to UL A600 / G800 Short-circuit protection No design of the fuse link • for short-circuit protection • for short-circuit protection of the main circuit • g5: 83.4 (690 V, 100 KA) • with type of coordination 1 required g5: 83.4 (690 V, 100 KA) • for short-circuit protection of the auxiliary switch g5: 83.4 (690 V, 100 KA) required • for short-circuit protection of the auxiliary switch required g5: 10.4 (690 V, 16A) 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 • side-by-side mounting +i-180° rotation possible on vertical mounting surface; can be tilted for switch 60 mm • of while shy-side mounting *i-180° rotation possible on vertical mounting surface; in while shy-side mounting *i-180° rotation possible on vertical mounting surface; in while shy-side mounting *iomain *iomain	UL/CSA ratings				
product function short circuit protection design of the fuse link No • 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 - for short-circuit protection of the auxiliary switch required gG: 63 A (690 V, 100 kA) gG: 20 A (690 V, 100 kA) gG: 10 A (690 V, 100 kA) gG:		A600 / Q600			
product function short circuit protection design of the fuse link No • 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 - for short-circuit protection of the auxiliary switch required gG: 63 A (690 V, 100 kA) gG: 20 A (690 V, 100 kA) gG: 10 A (690 V, 100 kA) gG:	Short-circuit protection				
design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required gG: 63 A (690 V, 100 KA) gG: 20 A (690		No			
for short-droup protection of the main circuit with type of occordination 1 required with type of osciprime 12 required with type of osciprime 12 required with type of osciprime 12 required	• •				
- with type of assignment 2 required - with type of assignment 2 required 9G: 83 A (890 V, 100 kA) 9G: 80 A (890 V, 100 kA) 9G: 10 A (690 V, 1 kA) required required required required required required mounting surface: can be tilled forward and backward by +2.22 s' on vertical mounting surface: required spacing - with side-by-side mounting +/-180° relation possible on vertical mounting surface: can be tilled forward and backward by +2.22 s' on vertical mounting surface required spacing - with side-by-side mounting - side-by-side mounting - side-by-side mounting - with side - w					
- with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installator/ mounting / dimensions */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 on 35 mm DIN rail according to DIN EN 60715 • side-by-side mounting */180° rotation possible on vertical mounting surface screw and snap-on mounting ont 35 mm DIN rail according to DIN EN 60715 • side-by-side mounting */180° rotation possible on vertical mounting surface screw and snap-on mounting ont 35 mm DIN rail according to DIN EN 60715 • side-by-side mounting */180° rotation possible on vertical mounting surface screw and snap-on mounting ont 35 mm DIN rail according to DIN EN 60715 • side oby-side mounting */180° rotation possible on vertical mounting surface screw and snap-on mounting ont 35 mm DIN rail according to DIN EN 60716 */180° rotation mounting */180° rotation */180° rotatio		gG: 63 A (690 V, 100 kA)			
for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 1 kA) required mounting position fastening method fa					
Installation/mounting/dimensions +/180" rotation possible on vertical mounting surface; can be tilled forward and backward by +/. 22.5" on vertical mounting surface; can be tilled forward and backward by +/. 22.5" on vertical mounting surface; can be tilled forward and backward by +/. 22.5" on vertical mounting surface; can be tilled forward and backward by +/. 22.5" on vertical mounting surface; can be tilled forward and backward by +/. 22.5" on vertical mounting surface; can be tilled forward and backward by +/. 22.5" on vertical mounting surface; can be tilled forward and backward by +/. 22.5" on vertical mounting surface; can be tilled forward and backward by +/. 22.5" on vertical mounting surface; can be tilled forward and backward by +/. 22.5" on vertical mounting surface; can be tilled forward and backward by +/. 22.5" on vertical mounting surface; can be tilled forward backward by +/. 22.5" on wards for main - downwards for main - downwards for main - downwards for main - downwards for main current circuit for auxiliary and control circuit e solid for auxiliary and control circuit e solid e solid or stranded e solid or stranded for ward burd burd core end processing connectable conductor cross-section for main contacts e solid e solid or stranded forward e finely stranded with core end processing finely stranded with cor		gG: 10 A (690 V, 1 kA)			
mounting position +/-180° rotation possible on vertical mounting surface; can be tilled forward and backward by +/-22.5° on vertical mounting surface; carew and sange-on mounting onto 35 mm DIN rail according to DIN EN 60715 eside-by-side mounting Yes height width 85 mm depth 107 mm required spacing 10 mm - upwards 10 mm - downwards 6 mm	required				
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connectable conductor cross-section for auxiliary					
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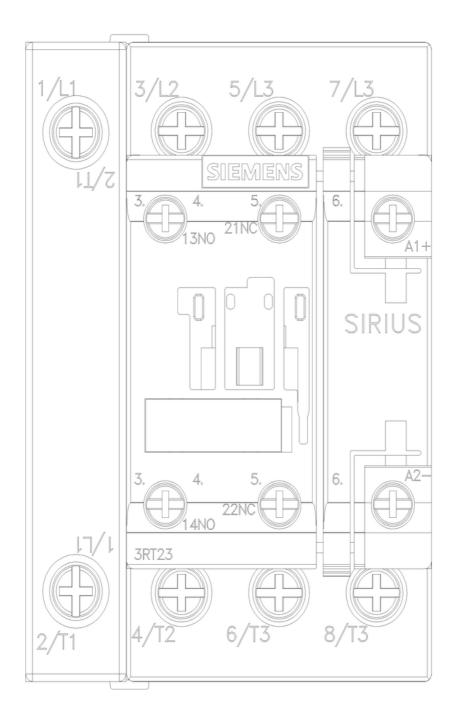
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• for main contact			16				
for auxiliary con	ntacts		20	. 14			
Safety related data				_	_		
 product function mirror contact a 	according to IEC 60947-	4-1	Yes				
T1 value for proof tes	t interval or service life a		20 a				
IEC 61508 protection class IP 60529	on the front according	to IEC	IP20				
	the front according to	IEC 60529	finge	r-safe, for vertical conta	ct from the front		
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product function bu			No				
Certificates/ approva	ls						
General Product A	oproval					EMC	
() E		<u>Confirmatic</u>	<u>on</u>		EHC	RCM	
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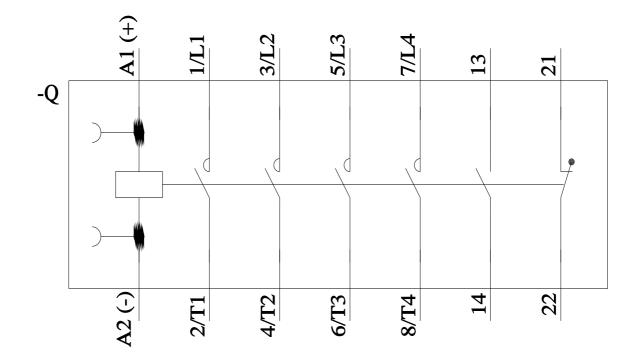
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