SIEMENS

Data sheet

3RT2317-2AM20



contactor AC-1, 22 A, 400 V / 40 $^\circ\text{C},$ 4-pole, 208 V AC, 50/60 Hz, spring-loaded terminal, size: S00

product brand name	SIRIUS
product designation	Contactor
product type designation	3RT23
General technical data	
size of contactor	S00
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 	6.4 W
 at AC in hot operating state per pole 	1.6 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 AC	7,3g / 5 ms, 4,7g / 10 ms
shock resistance with sine pulse	
• at AC	11,4g / 5 ms, 7,3g / 10 ms
mechanical service life (operating cycles)	
 of contactor typical 	30 000 000
 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 value 	22 A

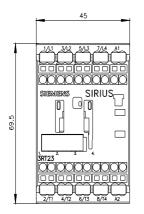
• • • • • • • • • • • • • • • • • • •	a at AC 1	
	• at AC-1	00 A
value value - al 400 V roted value 5 A - al 400 V roted value 5 A memory cross section in main circuit at maximum AC-1 rated value 4 mm* oparting power - al 400 V rated value 5 S W - al AC-2 at 400 V rated value 5 S W - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value 4 kW - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value 4 kW - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value - al AC-2 at 400 V rated value - al AC-2 at 400 A - al AC-2 at 40 A a		22 A
		20 A
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for short-circuit protection of the main circuit		INU
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— with type of assignment 2 required gG: 20 A (690 V, 100 kA)		
	— with type of assignment 2 required	gg: 20 A (690 V, 100 KA)

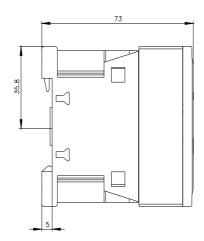
 for short-circuit protection of the auxiliary switch it 	required
llation/mounting/dimonsions	

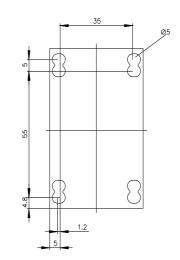
gG: 10 A (690 V, 1 kA)

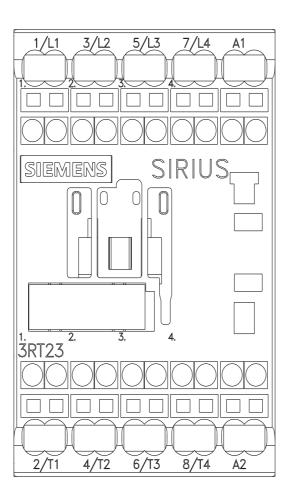
 for short-circuit protection of the auxiliary switch required 	gG: 10 A (690 V, 1 kA)		
nstallation/ mounting/ dimensions			
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface		
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
 side-by-side mounting 	Yes		
height	70 mm		
width	45 mm		
depth	73 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		
— upwards	10 mm		
— at the side	6 mm		
— downwards	10 mm		
• for live parts			
— forwards	10 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	6 mm		
connections/ Terminals			
type of electrical connection			
 for main current circuit 	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 (0.5 4 mm²)		
 solid or stranded 	2x (0,5 4 mm²)		
 finely stranded with core end processing 	2x (0.5 2.5 mm²)		
 finely stranded without core end processing 	2x (0.5 2.5 mm²)		
connectable conductor cross-section for main contacts			
• solid	0.5 4 mm²		
 solid or stranded 	0.5 4 mm²		
• stranded	0.5 4 mm²		
 finely stranded with core end processing 	0.5 2.5 mm²		
 finely stranded without core end processing 	0.5 2.5 mm ²		
connectable conductor cross-section for auxiliary contacts			
 solid or stranded 	0.5 4 mm²		
 finely stranded with core end processing 	0.5 2.5 mm ²		
 finely stranded without core end processing 	0.5 2.5 mm ²		
type of connectable conductor cross-sections			
 for auxiliary contacts 			
— solid	2x (0.5 2.5 mm²)		
— solid or stranded	2x (0,5 4 mm²)		
 finely stranded with core end processing 	2x (0.5 2.5 mm²)		
 finely stranded without core end processing 	2x (0.5 2.5 mm²)		
 for AWG cables for auxiliary contacts 	2x (20 12)		
AWG number as coded connectable conductor cross			
section	20 42		
• for main contacts	20 12		
for auxiliary contacts	20 12		
Safety related data			
product function			
mirror contact according to IEC 60947-4-1	Yes; with 3RH29		
T1 value for proof test interval or service life according to IEC	20 a		

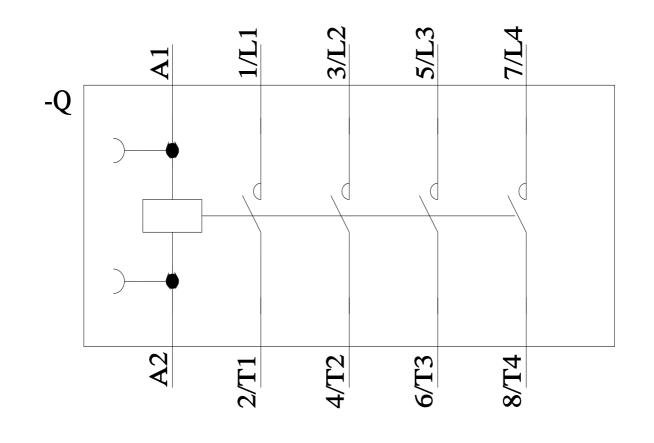
		IEC 60529 IP20			
protection class IP on the front according to IEC 60529					
touch protection on the	-	C 60529 finger	finger-safe, for vertical contact from the front		
ommunication/ Protoco		_		_	_
product function bus c	ommunication	No			
ertificates/ approvals					
General Product Appro	oval				EMC
	<u>Confirmation</u>			EHC	RCM
Functional Safety/Safety of Ma- chinery	Declaration of Confo	rmity	Test Certificates		Marine / Shipping
<u>Fype Examination Cer-</u> tificate	CE EG-Konf.	UK CA	<u>Special Test Certific-</u> <u>ate</u>	Type Test Certific- ates/Test Report	ABS
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BUREAU VERITAS		Lloyds Kegister uis	PRS	RINA	KMRS RMRS
other		Railway	Environment		
<u>Confirmation</u>		Vibration and Shock	Environmental Con- firmations		
urther information					
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