SIEMENS

Data sheet

3RA2328-8XB30-2AL2



reversing contactor assembly, AC-3e/AC-3, 38 A, 18.5 kW / 400 V, 3-pole, 230 V AC, 50/60 Hz, spring-loaded terminal, electrical and mechanical interlock, auxiliary contacts: 2 x 1 NO

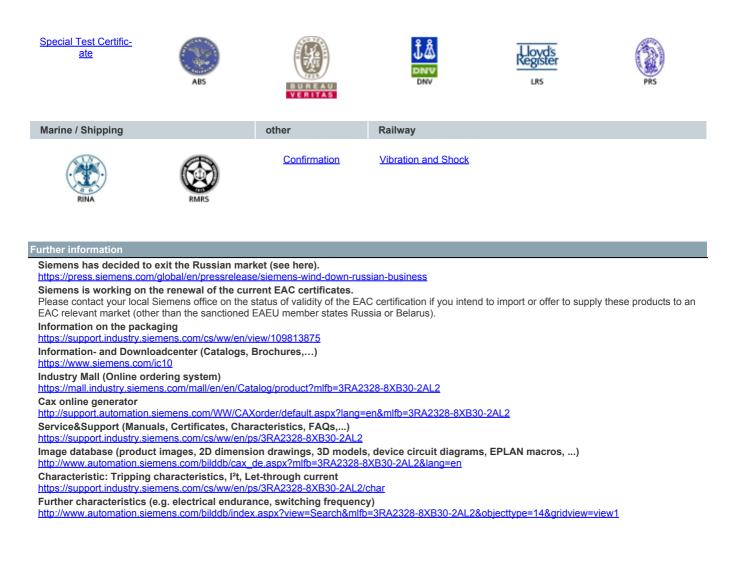
product brand name	SIRIUS	
product designation	Reversing contactor assembly	
product type designation	3RA23	
manufacturer's article number		
 1 of the supplied contactor 	<u>3RT2028-2AL20</u>	
 2 of the supplied contactor 	<u>3RT2028-2AL20</u>	
 of the supplied RS assembly kit 	<u>3RA2923-2AA2</u>	
General technical data		
size of contactor	S0	
product extension auxiliary switch	Yes	
shock resistance at rectangular impulse		
• at AC	8,3g / 5 ms, 5,3g / 10 ms	
• at DC	10g / 5 ms, 7,5g / 10 ms	
shock resistance with sine pulse		
• at AC	13,5g / 5 ms, 8,3g / 10 ms	
• 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	
Main circuit		
number of poles for main current circuit	3	
number of NO contacts for main contacts	3	
number of NC contacts for main contacts	0	
operating voltage		
 at AC-3 rated value maximum 	690 V	
 at AC-3e rated value maximum 	690 V	
operational current		
• at AC-3		
— at 400 V rated value	38 A	
— at 500 V rated value	32 A	
— at 690 V rated value	21 A	
	21 A	

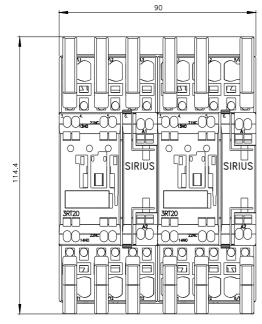
— at 500 V rated value	32 A
— at 690 V rated value	21 A
operating power	
• at AC-3	
— at 400 V rated value	18.5 kW
— at 500 V rated value	18.5 kW
— at 690 V rated value	18.5 kW
• at AC-3e	
— at 400 V rated value	18.5 kW
— at 690 V rated value	18.5 kW
 at AC-4 at 400 V rated value 	11 kW
operating frequency	
• at AC-3 maximum	750 1/h
• at AC-3e maximum	750 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage 1 at AC	
• at 50 Hz rated value	230 V
at 60 Hz rated value	230 V
operating range factor control supply voltage rated value of	200 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	77 VA
inductive power factor with closing power of the coil	
at 50 Hz	0.82
apparent holding power of magnet coil at AC	0.02
at 50 Hz	9.8 VA
	9.0 VA
inductive power factor with the holding power of the coil	0.07
• at 50 Hz	0.27
Auviliant airpuit	
Auxiliary circuit	
number of NO contacts for auxiliary contacts	
number of NO contacts for auxiliary contacts per direction of rotation 	1
number of NO contacts for auxiliary contacts per direction of rotation instantaneous contact 	2
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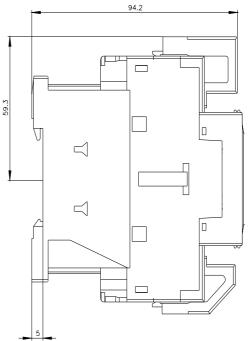
— backwards	0 mm
— upwards	6 mm
— downwards	6 mm
— at the side	6 mm
 for grounded parts 	
— forwards	6 mm
— backwards	0 mm
— upwards	6 mm
— at the side	6 mm
— downwards	6 mm
• for live parts	
— forwards	6 mm
— backwards	0 mm
— upwards	6 mm
— downwards	6 mm
— at the side	6 mm
Connections/ Terminals	
type 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 (1 10 mm²)
solid solid or stranded	2x (1 10 mm ²)
 finely stranded with core end processing 	2x (1 6 mm ²)
 finely stranded with core end processing finely stranded without core end processing 	2x (1 6 mm ²)
	2X(1011111)
type of connectable conductor cross-sections	
for auxiliary contacts colid or atranded	$2\nu (0.5 - 2.5 \text{ mm}^2)$
— solid or stranded	2x (0.5 2.5 mm ²)
 finely stranded with core end processing 	2x (0.5 1.5 mm ²)
- finely stranded without core end processing	2x (0.5 1.5 mm ²)
for AWG cables for auxiliary contacts	2x (20 14)
Safety related data	
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures	
 with low demand rate according to SN 31920 	40 %
with high demand rate according to SN 31920	75 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
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	Yes
protocol is supported AS-Interface protocol	No
product function control circuit interface with IO link	No
Certificates/ approvals	
General Product Approval	Declaration of Conformity

Test Certificates

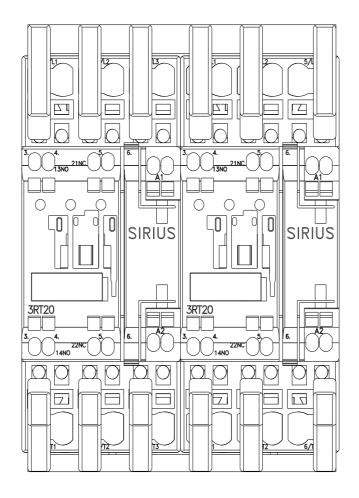
Marine / Shipping

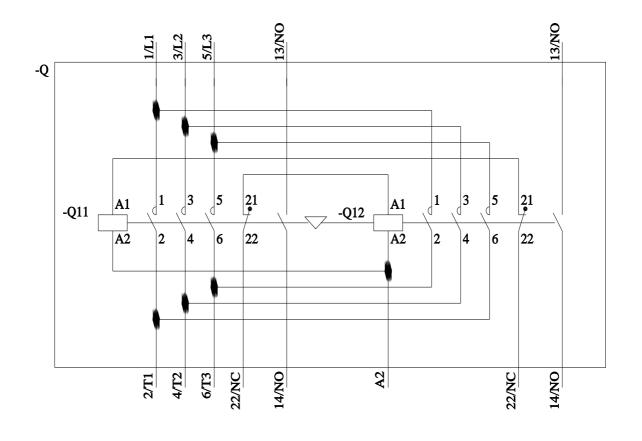






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