3RA2317-8XB30-2AF0

Data sheet



Reversing contactor assembly AC-3, 5.5 kW/400 V,AC110V,50/60Hz 3-pole, Size S00 Spring-type terminal electrical and mechanical interlock

product brand name	SIRIUS
product designation	Reversing contactor assembly
product type designation	3RA23
manufacturer's article number	
 1 of the supplied contactor 	3RT2017-2AF02
 2 of the supplied contactor 	3RT2017-2AF02
 of the supplied RH assembly kit 	3RA2913-2AA2
General technical data	
size of contactor	S00
product extension auxiliary switch	Yes
shock resistance at rectangular impulse	
• at AC	7,3g / 5 ms, 4,7g / 10 ms
• at DC	7.3g / 5 ms, 4.7g / 10 ms
shock resistance with sine pulse	
• at AC	11,4g / 5 ms, 7,3g / 10 ms
• at DC	11,4g / 5 ms, 7,3g / 10 ms
mechanical service life (switching cycles)	
 of contactor typical 	10 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	01.10.2009 00:00:00
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature during operation	-25 +60 °C
ambient temperature 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
operational current at AC-3	
at 400 V rated value	12 A
operating power	
• at AC-3	
— at 400 V rated value	5.5 kW
— at 500 V rated value	5.5 kW

* alt AC-4 at 400 V rated value * alt AC-4 at 400 V rated value operating frequency at AC-3 maximum Control draubt Control type of voltage of the control supply voltage control supply voltage 1 at AC * at 60 Hz rated value • at 60 Hz apparent pick-up power of magnet coil at AC * at 50 Hz apparent pick-up power of magnet coil at AC * at 50 Hz apparent holding power of magnet coil at AC * at 50 Hz at 50 Hz apparent holding power of magnet coil at AC * at 50 Hz at 50 Hz at 50 Hz by A Back Act	— at 690 V rated value	5.5 kW
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height84 mmwidth90 mm	mounting position	forward and backward by +/- 22.5° on vertical mounting surface
width 90 mm		screw and snap-on mounting onto 35 mm standard mounting rail
depth 83 mm		
·	· · · · · · · · · · · · · · · · · · ·	83 mm
required spacing		
with side-by-side mounting	-	
— forwards 6 mm		
— backwards 0 mm		
— upwards 6 mm		
— downwards 6 mm		
— at the side 6 mm		6 mm
• for grounded parts		
— forwards 6 mm		
— backwards 0 mm		
— upwards 6 mm	— upwards	6 mm

— at the side	6 mm	
— downwards	6 mm	
• for live parts	0.77	
— 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	
type of connectable conductor cross-sections		
• for main contacts	0 (0 5 4 3)	
— 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)	
at AWG cables for main contacts	1x (20 12)	
type of connectable conductor cross-sections		
for auxiliary contacts		
— solid or stranded	2x (0.5 2.5 mm²)	
finely stranded with core end processing	2x (0.5 1.5 mm²)	
— finely stranded without core end processing	2x (0.5 1.5 mm²)	
at AWG cables for auxiliary contacts	2x (20 14)	
Safety related data		
B10 value with high demand rate acc. to SN 31920	1 000 000	
proportion of dangerous failures		
 with low demand rate acc. to SN 31920 	40 %	
with high demand rate acc. to SN 31920	75 %	
failure rate [FIT] with low demand rate acc. to SN 31920	100 FIT	
T1 value for proof test interval or service life acc. to IEC 61508	20 y	
protection class IP on the front acc. to IEC 60529	IP20	
touch protection on the front acc. 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









<u>Miscellaneous</u>

Special Test Certificate

Test Certificates

Marine / Shipping

Type Test
Certificates/Test
Report











Marine / Shipping other Railway





Further information

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=3RA2317-8XB30-2AF0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2317-8XB30-2AF0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2317-8XB30-2AF0

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

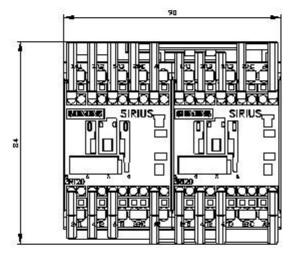
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2317-8XB30-2AF0&lang=en

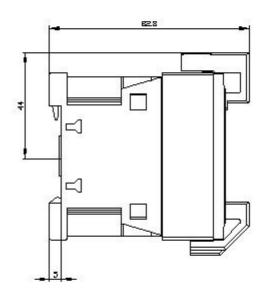
Characteristic: Tripping characteristics, I2t, Let-through current

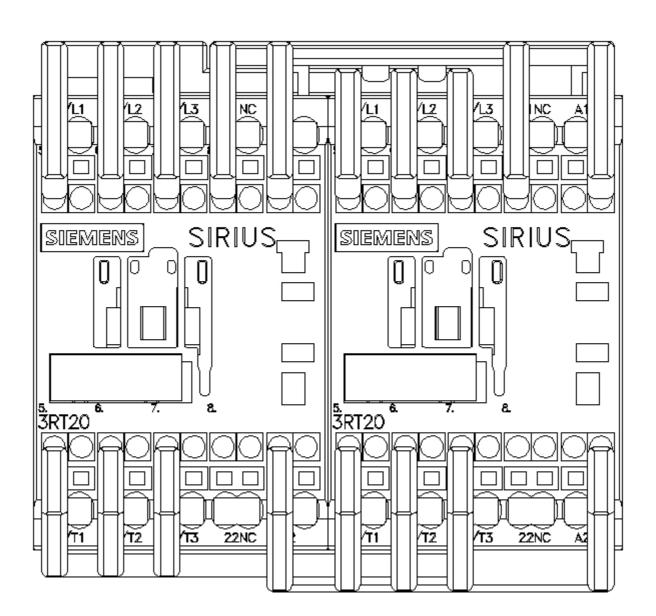
https://support.industry.siemens.com/cs/ww/en/ps/3RA2317-8XB30-2AF0/char

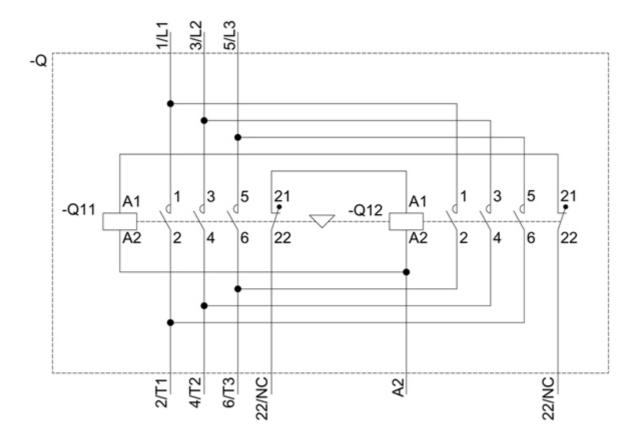
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2317-8XB30-2AF0&objecttype=14&gridview=view1









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