SIEMENS

Data sheet

3RA2326-8XB30-1AL2



Reversing contactor assembly AC-3,11 kW/400 V,AC230V,50/60Hz 3-pole, Size S0 screw terminal electrical and mechanical Interlock 2 NO integrated

product brand name SIRUS product designation Reversing contactor assembly product type designation 3RA23 manufacturer's article number 3R12026-fAL20 • 1 of the supplied contactor 3R12026-fAL20 • 2 of the supplied contactor 3R12026-fAL20 • of the supplied contactor 3R12026-fAL20 • of the supplied contactor SR12026-fAL20 • at AC SO product extension auxiliary switch Yes shock resistance at rectangular impulse • at AC • at AC 10g / 5 ms, 7,5g / 10 ms • at AC 13.5g / 5 ms, 8.3g / 10 ms • at AC 13.5g / 5 ms, 8.3g / 10 ms • at AC 1000 000 • of contactor typical 10 000 000 • of contactor typical 10 000 000 • of contactor typical 10 000 000 • of the contactor typical 10 000 00 • of the contactor typical 10 000 00 </th <th></th> <th></th>		
product type designation 3RA23 manufacturer's article number 3RT2026-1AL20 • 1 of the supplied contactor 3RT2026-1AL20 • 2 of the supplied contactor 3RT2026-1AL20 • of the supplied contactor SRA2923-2AA1 General technical data 5 size of contactor S0 product extension auxiliary switch Yes shock resistance at rectangular impulse 8.3g / 5 ms, 5.3g / 10 ms • at AC 10g / 5 ms, 7.5g / 10 ms • at DC 10g / 5 ms, 10g / 10 ms • at DC 15g / 5 ms, 10g / 10 ms • of contactor typical 10 000 000 • of the contacto	product brand name	SIRIUS
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shock resistance with sine pulse iii) iii) • at AC 13,5g / 5 ms, 8,3g / 10 ms • at DC 15g / 5 ms, 10g / 10 ms mechanical service life (switching cycles) iii) • of contactor typical 10 000 000 • of the contactor with added auxiliary switch block 10 000 000 • typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 100/1/2009 Ambient conditions installation altitude at height above sea level maximum ambient temperature 400 V m • during operation -25 +60 °C • during storage -55 +80 °C Main circuit 3 number of poles for main current circuit 3 number of NC contacts for main contacts 3 number of NC contacts for main contacts 0 operating voltage at AC-3 rated value maximum 690 V operating voltage at AC-3 rated value 18 A • at 600 V rated value 13 A operating power • at 600 V rated value • at AC-3 0	• at AC	8,3g / 5 ms, 5,3g / 10 ms
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• at 400 V rated value25 A• at 500 V rated value18 A• at 690 V rated value13 Aoperating power	operating voltage at AC-3 rated value maximum	690 V
at 500 V rated value 18 A 13 A 13 A operating power at AC-3	operational current at AC-3	
at 690 V rated value 13 A operating power at AC-3	• at 400 V rated value	25 A
• at AC-3	• at 500 V rated value	18 A
• at AC-3	at 690 V rated value	13 A
	operating power	
- at 400 V rated value 11 kW	• at AC-3	
	— at 400 V rated value	11 kW

	44 1/1/1
— at 500 V rated value	11 kW
— at 690 V rated value	11 kW
at AC-4 at 400 V rated value	7.5 kW
operating frequency at AC-3 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 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	0.00
• at 50 Hz	0.82
apparent holding power of magnet coil at AC	0.0 \/A
• at 50 Hz	9.8 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.27
Auxiliary circuit	
number of NO contacts for auxiliary contacts	
per direction of rotation	1
instantaneous contact	2
contact reliability of auxiliary contacts	< 1 error per 100 million operating cycles
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	21 A
at 600 V rated value	22 A
yielded mechanical performance [hp] for 3-phase AC motor	
• at 220/230 V rated value	7.5 hp
• at 460/480 V rated value	15 hp
• at 575/600 V rated value	20 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	
 for short-circuit protection of the main circuit 	
— with type of coordination 1 required	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 100 A
— with type of assignment 2 required	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 35 A
 for short-circuit protection of the auxiliary switch 	fuse gG: 10 A
required	
Installation/ 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 standard mounting rail
height	101 mm
width	90 mm
depth	97 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
 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	O min
type of electrical connection	
for main current circuit	screw-type terminals
for auxiliary and control circuit	screw-type terminals
at contactor for auxiliary contacts	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections	ociew-type terminais
for main contacts	$\Omega_{11}(4 = 0.5 \text{ mm}^2)$ $\Omega_{11}(0.5 = 40 \text{ mm}^2)$
— solid	2x (1 2.5 mm ²), 2x (2.5 10 mm ²)
— solid or stranded	2x (1 2.5 mm ²), 2x (2.5 10 mm ²)
— finely stranded with core end processing	2x (1 2.5 mm ²), 2x (2.5 6 mm ²), 1x 10 mm ²
at AWG cables for main contacts	2x (16 12), 2x (14 8)
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 at AWG cables for auxiliary contacts 	2x (20 16), 2x (18 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 y
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
<u>Confirmation</u>	FOF 66
(SP (UL)	FHF CE
	LIIL EG-Konf.
un UL	
Test Certificates Marine / Shipping	
Special Test Certific-	₽ Å Unarda
ate (Ma)	Register (2)
ABS	DNV LRS PRS
BUREAU VERITAS	
Marine / Shipping other	Railway

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Confirmation

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=3RA2326-8XB30-1AL2

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2326-8XB30-1AL2

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2326-8XB30-1AL2

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2326-8XB30-1AL2&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2326-8XB30-1AL2/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2326-8XB30-1AL2&objecttype=14&gridview=view1

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