



reversing contactor assembly, AC-3e/AC-3, 25 A, 11 kW / 400 V, 3-pole, 110 V AC, 50 Hz / 120 V, 60 Hz, screw 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	<ul style="list-style-type: none"> • 1 of the supplied contactor • 2 of the supplied contactor • of the supplied RH assembly kit 3RT2026-1AK60 3RT2026-1AK60 3RA2923-2AA1
General technical data	
size of contactor	S0
product extension auxiliary switch	Yes
shock resistance at rectangular impulse	<ul style="list-style-type: none"> • at AC 8,3g / 5 ms, 5,3g / 10 ms • at DC 10g / 5 ms, 7,5g / 10 ms
shock resistance with sine pulse	<ul style="list-style-type: none"> • at AC 13,5g / 5 ms, 8,3g / 10 ms • at DC 15g / 5 ms, 10g / 10 ms
mechanical service life (operating cycles)	<ul style="list-style-type: none"> • 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
Net Weight	0.912 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • at AC-3 rated value maximum 690 V • at AC-3e rated value maximum 690 V
operational current	<ul style="list-style-type: none"> • at AC-3 <ul style="list-style-type: none"> — at 400 V rated value 25 A — at 500 V rated value 18 A — at 690 V rated value 13 A

• at AC-3e		
— at 400 V rated value	25 A	
— at 500 V rated value	18 A	
— at 690 V rated value	13 A	
operating power		
• at AC-3		
— at 400 V rated value	11 kW	
— at 500 V rated value	11 kW	
— at 690 V rated value	11 kW	
• at AC-3e		
— at 400 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	
• 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	110 V	
• at 60 Hz rated value	120 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	77 VA	
• at 50 Hz		
inductive power factor with closing power of the coil		
• at 50 Hz	0.82	
apparent holding power of magnet coil at AC		
• 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 coordination 2 required	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 35 A	
• for short-circuit protection of the auxiliary switch required	fuse gG: 10 A	
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 DIN 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

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 for main contacts	
• 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
type of connectable conductor cross-sections	
• for auxiliary contacts	
— solid or stranded	2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²)
— finely stranded with core end processing	2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²)
• for AWG cables for auxiliary contacts	2x (20 ... 16), 2x (18 ... 14)

Safety related data

product function suitable for safety function	Yes
Electrical Safety	
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

Approvals Certificates

Environment	General Product Approval	Test Certificates
Environmental Confirmations		Special Test Certificate

[Environmental Confirmations](#)



[Special Test Certificate](#)

Maritime application




[Confirmation](#)
[Special Test Certificate](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3RA2326-8XB30-1AK6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2326-8XB30-1AK6>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2326-8XB30-1AK6&lang=en

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2326-8XB30-1AK6>

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)



