## SIEMENS

## Data sheet

## 3RA2325-8XE30-2BB4



reversing contactor assembly, AC-3e/AC-3, 17 A, 7.5 kW / 400 V, 3-pole, 24 V DC, spring-loaded terminal, electrical and mechanical interlock, auxiliary contacts: 2 x 1 NO, with voltage tap for 3RA27

product brand name         SIRIUS           product designation         Reversing contactor assembly           product type designation         3RA23           manufacturer's article number         -           • 1 of the supplied contactor         3RT2025-2BB40_00CC0           • 2 of the supplied contactor         3RT2025-2BB40_0CC0           • 2 of the supplied contactor         3RT2025-2BB40_0CC0           • 2 of the supplied contactor         3RT2025-2BB40_0CC0           • 0 of the supplied Contactor         9           • 0 of the supplied RH assembly kit         0           • at acc         50           • at AC         1/5 f sms, 7,5g / 10 ms           • at DC         10000 000           • at DC         10 000 000           • of the contactor typical         10 000 000           • of the contactor typical         10 000 000           •
product type designation3RA23manufacturer's article number• 1 of the supplied contactor3RT2025-28B40-0CC0• 2 of the supplied contactor3RT2025-28B40• 2 of the supplied contactor3RA2923-2AA2Seneral technical datasize of contactorS0product extension auxiliary switchYesshock resistance at rectangular impulse• at AC7,5g / 5 ms, 4,7g / 10 ms• at AC10g / 5 ms, 7,5g / 10 ms• at AC11,8g / 5 ms, 7,4g / 10 ms• at AC15g / 5 ms, 10g / 10 ms• at AC15g / 5 ms, 10g / 10 ms• at AC1000 000• at AC200 m• at AC900 m• at AC900 m• at AC900 m• at BC2000 m•
manufacturer's article numberImanufacturer's article number• 1 of the supplied contactor3RT2025-2BB40-0CC0• 2 of the supplied contactor3RT2025-2BB40• of the supplied RH assembly kit3RA2923-2AA2General technical datastate of contactorsize of contactorS0product extension auxiliary switchYesshock resistance at rectangular impulse-• at AC7,5g / 5 ms, 4,7g / 10 ms• at AC10g / 5 ms, 7,5g / 10 ms• at AC11,8g / 5 ms, 7,4g / 10 ms• at AC15g / 5 ms, 10g / 10 ms• at AC15g / 5 ms, 10g / 10 ms• at AC1000 000• at AC2000 m• at AC1000 000• at AC1000 000• at AC1001/2009• at AC1001/2009• at AC1000 m•
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General technical data         size of contactor       S0         product extension auxiliary switch       Yes         shock resistance at rectangular impulse          • at AC       7,5g / 5 ms, 4,7g / 10 ms         • at DC       10g / 5 ms, 7,5g / 10 ms         shock resistance with sine pulse          • at AC       11,8g / 5 ms, 7,4g / 10 ms         • at DC       10g / 5 ms, 7,4g / 10 ms         • at AC       11,8g / 5 ms, 7,4g / 10 ms         • at AC       10 000 000         • at DC       10 000 000         • of contactor typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 100         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         ambient temperature       -         • during operation       -25 +60 °C         • during operation       -25 +60 °C         • during storage       -55 +80 °C
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reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during storage       -25 +80 °C
Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during operation       -25 +80 °C         • during storage       -55 +80 °C
Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during operation       -25 +80 °C
installation altitude at height above sea level maximum       2 000 m         ambient temperature <ul> <li>during operation</li> <li>-25 +60 °C</li> <li>-55 +80 °C</li> </ul>
ambient temperature     -25 +60 °C       • during operation     -25 +80 °C
<ul> <li>during operation</li> <li>during storage</li> <li>-25 +60 °C</li> <li>-55 +80 °C</li> </ul>
• 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 17 A
— at 500 V rated value 17 A
— at 690 V rated value 13 A
• at AC-3e

— at 500 V rated value	17 A
— at 690 V rated value	13 A
operating power	
• at AC-3	7.5111
— at 400 V rated value	7.5 kW
— at 500 V rated value	7.5 kW
— at 690 V rated value	11 kW
• at AC-3e	
— at 400 V rated value	7.5 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	1 000 1/h
• at AC-3e maximum	1 000 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage 1	
at DC rated value	24 V
closing power of magnet coil at DC	5.9 W
holding power of magnet coil at DC	5.9 W
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	
<ul> <li>at 480 V rated value</li> </ul>	14 A
at 600 V rated value	17 A
yielded mechanical performance [hp] for 3-phase AC motor	
• at 220/230 V rated value	5 hp
• at 460/480 V rated value	10 hp
• at 575/600 V rated value	15 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
<ul> <li>— with type of coordination 1 required</li> </ul>	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 63 A
<ul> <li>— with type of assignment 2 required</li> </ul>	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 25 A
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	fuse gG: 10 A
Installation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- $22.5^{\circ}$ on vertical mounting surface
fastening method	screw and snap-on mounting onto 35 mm DIN rail
height	114 mm
width	90 mm
depth	107 mm
required spacing	
<ul> <li>with side-by-side mounting</li> </ul>	
— forwards	6 mm
— backwards	0 mm
— upwards	6 mm
— downwards	6 mm
— at the side	6 mm
<ul> <li>for grounded parts</li> </ul>	
— forwards	6 mm
— backwards	0 mm
— upwards	6 mm
— at the side	6 mm
— downwards	6 mm
<ul> <li>for live parts</li> </ul>	

— backwards — upwards			) mm 5 mm			
- downwards		6	5 mm			
— at the side		6	i mm			
Connections/ Terminals						
type of electrical conn						
<ul> <li>for main current of</li> </ul>		s	pring-loaded terminals			
<ul> <li>for auxiliary and of</li> </ul>		s	pring-loaded terminals			
<ul> <li>at contactor for a</li> </ul>	•		Spring-type terminals			
of magnet coil			Spring-type terminals			
type of connectable con	ductor cross-sections for	main contacts				
<ul> <li>solid</li> </ul>			2x (1 10 mm²)			
<ul> <li>solid or stranded</li> </ul>		2	2x (1 10 mm²)			
<ul> <li>finely stranded with core end processing</li> </ul>			2x (1 6 mm²)			
<ul> <li>finely stranded w</li> </ul>	<ul> <li>finely stranded without core end processing</li> </ul>		2x (1 6 mm²)			
type of connectable co	onductor cross-section	S				
<ul> <li>for auxiliary containing</li> </ul>	acts					
— solid or stra	nded	2	2x (0.5 2.5 mm²)			
- finely strand	led with core end proces	sing 2	2x (0.5 1.5 mm²)			
-	led without core end prod	•	2x (0.5 1.5 mm²)			
•	or auxiliary contacts	-	2x (20 14)			
Safety related data						
	nand rate according to S	N 31920 1	000 000			
proportion of dangero						
	rate according to SN 319	920 4	0 %			
	d rate according to SN 31		75 %			
			00 FIT			
failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC		,	20 a			
	61508					
protection class IP on the front according to IEC 60529			P20			
-	e front according to IE	C 60529 fi	nger-safe, for vertical contact	from the front		
Communication/ Protoc						
product function bus	communication		′es			
protocol is supported AS-Interface protocol			10			
•	circuit interface with IO I	ink N	10			
Certificates/ approvals						
General Product Appr	oval			Declaration of Conformi	ty	
6	<b>Confirmation</b>	ŝ	гпг		"	
		(VL)	FAL		CE	
QF.					EG-Konf.	
<b>OF</b>		UL UL	E I I E	СН	EG-KONT.	
		UL		СН	EG-KONF.	
<b>U</b>		UL		СН	EG-KONT.	
Test Certificates	Marine / Shipping	UL	LIIL	CH	EG-KOTT.	
Test Certificates	Marine / Shipping	UL		CH	EG-KONT.	
Special Test Certific-	Marine / Shipping	UL	₽ I I ₽		EG-KONT.	
	Marine / Shipping	UL	₽₽ Ĵ&		EG-KONT.	
Special Test Certific-	Marine / Shipping	UL		Hoyd's Register	EG-Kom.	
Special Test Certific-	Marine / Shipping				PRS	
Special Test Certific-	Marine / Shipping			Hoyd's Register	PRS	
Special Test Certific- ate	Marine / Shipping			Llovd's Register Urs	EG-Köhr.	
Special Test Certific-	Marine / Shipping	UL UL UL UL UL UL UL UL UL UL UL UL UL	Railway	Hoyd's Register	EG-KONT. PRS	
Special Test Certific- ate	Marine / Shipping			Llovd's Register Urs	EG-Könt.	
Special Test Certific- ate	Marine / Shipping	other	Railway	Lis Dangerous Good	PRS	
Special Test Certific- ate	Marine / Shipping	other	Railway	Lis Dangerous Good	PRS	
Special Test Certific- ate	Marine / Shipping	other	Railway	Lis Dangerous Good	PRS	
Special Test Certific- ate	Marine / Shipping	other	Railway	Lis Dangerous Good	PRS	
Special Test Certific- ate	Marine / Shipping	other	Railway	Lis Dangerous Good	PRS	
Special Test Certific- ate	Marine / Shipping	other	Railway	Lis Dangerous Good	es-Kont.	

Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

## Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus). Information on the packaging

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

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=3RA2325-8XE30-2BB4

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2325-8XE30-2BB4

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2325-8XE30-2BB4

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

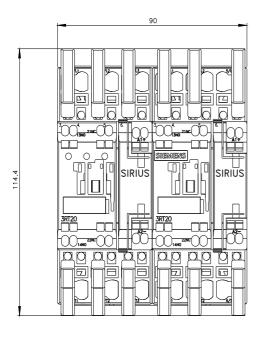
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2325-8XE30-2BB4&lang=en

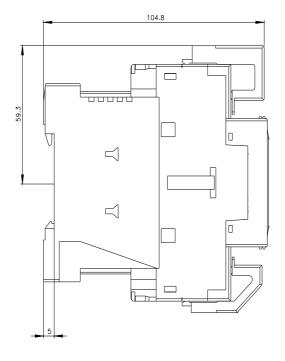
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

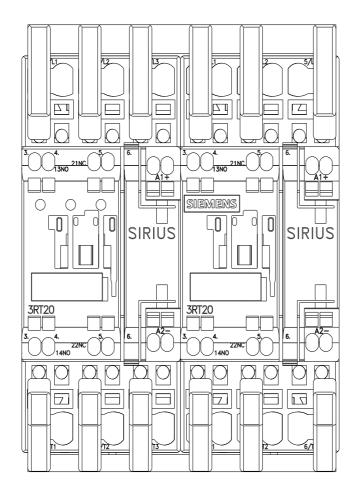
https://support.industry.siemens.com/cs/ww/en/ps/3RA2325-8XE30-2BB4/char

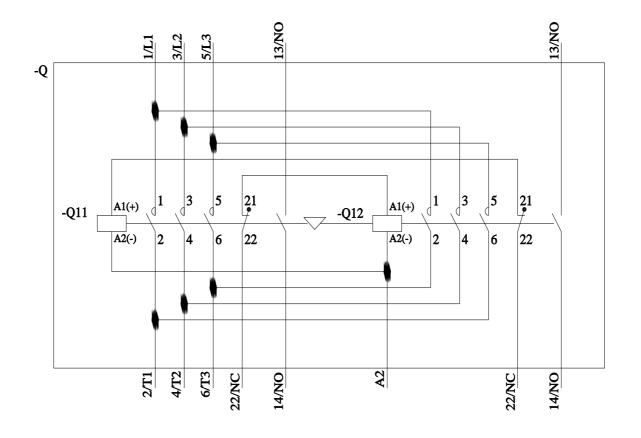
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2325-8XE30-2BB4&objecttype=14&gridview=view1









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