3RA2324-8XB30-1AL2

Data sheet



reversing contactor assembly, AC-3e/AC-3, 12 A, 5.5 kW / 400 V, 3-pole, 230 V AC, 50/60 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		
 1 of the supplied contactor 	3RT2024-1AL20	
2 of the supplied contactor	3RT2024-1AL20	
 of the supplied RH assembly kit 	3RA2923-2AA1	
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	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	12 A	
— at 500 V rated value	12 A	
— at 690 V rated value	9 A	
• at AC-3e		
— at 400 V rated value	12 A	

at 500 V rated value at 600 V rated value at		
operating prover all AC AC AC AC AC AC AC AC	— at 500 V rated value	12 A
# 28 AC-3	— at 690 V rated value	9 A
	operating power	
at 500 V rated value	• at AC-3	
	— at 400 V rated value	5.5 kW
	— at 500 V rated value	5.5 kW
* af AC-3e		
at 400 V rated value		1.5 KV
at 809 V rated value 5.5 kW operating frequency • at AC-3 maximum 1 000 1/h • at AC-3 maximum 1 1000 1/h • at AC-3 maximum 1 1000 1/h control supply voltage of the control supply voltage Control supply voltage of the control supply voltage of the control supply voltage at AC • at 50 1/c rated value 200 V rated value Corporate V 200 V		E E IAM
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required spacing • with side-by-side mounting		
with side-by-side mounting	·	97 111111
— forwards 6 mm	 with side-by-side mounting 	

Constal Product Approval	Declaration of Conformity	Toot Cortificates
Certificates/ approvals		
product function control circuit interface with IO link	No	
protocol is supported AS-Interface protocol	No	
product function bus communication	Yes	
Communication/ Protocol		
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front	
protection class IP on the front according to IEC 60529	IP20	
T1 value for proof test interval or service life according to IEC 61508	20 a	
failure rate [FIT] with low demand rate according to SN 31920	100 FIT	
with high demand rate according to SN 31920	75 %	
 with low demand rate according to SN 31920 	40 %	
proportion of dangerous failures		
B10 value with high demand rate according to SN 31920	1 000 000	
Safety related data		
 for AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14)	
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
for auxiliary contacts		
type of connectable conductor cross-sections		
finely stranded with core end processing	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²	
solid or stranded	2x (1 2.5 mm²), 2x (2.5 10 mm²)	
• solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)	
type of connectable conductor cross-sections for main contacts	91	
• of magnet coil	Screw-type terminals	
at contactor for auxiliary contacts	Screw-type terminals	
for auxiliary and control circuit	screw-type terminals	
for main current circuit	screw-type terminals	
type of electrical connection		
Connections/ Terminals		
— at the side	6 mm	
— downwards	6 mm	
— upwards	6 mm	
— backwards	0 mm	
— forwards	6 mm	
for live parts	O HIIII	
— at the side — downwards	6 mm	
— upwards — at the side	6 mm	
— packwards — upwards	6 mm	
— lorwards — backwards	0 mm	
for grounded partsforwards	6 mm	
— at the side	6 mm	
— downwards	6 mm	
— upwards	6 mm	
— backwards	0 mm	
h la	0	

General Product Approval

Declaration of Conformity

Test Certificates

Confirmation









Special Test Certificate

Marine / Shipping















Confirmation

Vibration and Shock

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/qlobal/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=3RA2324-8XB30-1AL2

Cax online generator

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RA2324-8XB30-1AL2}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2324-8XB30-1AL2

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

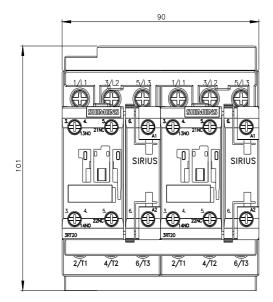
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2324-8XB30-1AL2&lang=en

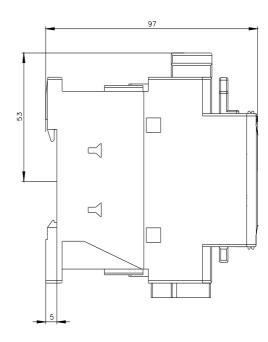
Characteristic: Tripping characteristics, I2t, Let-through current

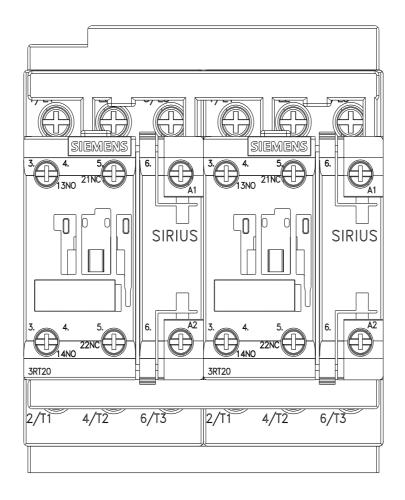
https://support.industry.siemens.com/cs/ww/en/ps/3RA2324-8XB30-1AL2/char

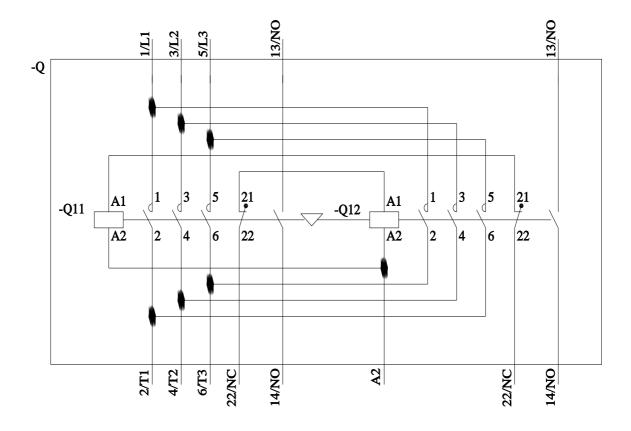
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2324-8XB30-1AL2&objecttype=14&gridview=view1









last modified: 11/21/2022 🖸