



AUX.SWITCH BLOCK,FRONT,2NO+2NC,
CURR.PATH: 1NO, 1NC, 1NC, 1NO, FOR
CONTACTOR RELAYS, SZ S00, RING CABLE LUG
CONNECTION 53 / 54,61 / 62,71 / 72,83 / 84

General technical data:

product brand name		SIRIUS
Suitability for use		Contact relay
Protection class IP on the front		IP20
Ambient temperature		
• during storage	°C	-55 ... +80
• during operation	°C	-25 ... +60
Mechanical service life (switching cycles) typical		10 000 000
Electrical endurance (switching cycles) at AC-15 at 230 V typical		200 000
Contact reliability		one incorrect switching operation of 100 million switching operations (17 V, 1 mA)
Contact reliability of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
Insulation voltage with degree of pollution 3 Rated value	V	690
Surge voltage resistance Rated value	kV	6

Auxiliary circuit:

Number of NC contacts for auxiliary contacts		
• instantaneous contact		2
• lagging switching		0
Number of NO contacts for auxiliary contacts		
• instantaneous contact		2
• leading contact		0
Operating current of the auxiliary contacts at AC-12		
• at 24 V	A	10

• at 230 V	A	10
• maximum	A	10
Operating current		
• of the auxiliary contacts		
— at AC-14		
— at 125 V	A	6
— at 250 V	A	6
— at AC-15		
— at 24 V	A	6
— at 230 V	A	6
— at 400 V	A	3
• at AC-15 at 690 V Rated value	A	1
Operating current		
• with 2 current paths in series at DC-12		
— at 24 V Rated value	A	10
— at 60 V Rated value	A	10
— at 110 V Rated value	A	4
— at 220 V Rated value	A	2
— at 440 V Rated value	A	1.3
— at 600 V Rated value	A	0.65
• with 3 current paths in series at DC-12		
— at 24 V Rated value	A	10
— at 60 V Rated value	A	10
— at 110 V Rated value	A	10
— at 220 V Rated value	A	3.6
— at 440 V Rated value	A	2.5
— at 600 V Rated value	A	1.8
Operating current		
• of the auxiliary contacts at DC-13		
— at 24 V	A	6
— at 60 V	A	2
— at 110 V	A	1
— at 220 V	A	0.3
• with 2 current paths in series at DC-13		
— at 24 V Rated value	A	10
— at 60 V Rated value	A	3.5
— at 110 V Rated value	A	1.3
— at 220 V Rated value	A	0.9
— at 440 V Rated value	A	0.2
— at 600 V Rated value	A	0.1
• with 3 current paths in series at DC-13		

- at 24 V Rated value
- at 60 V Rated value
- at 110 V Rated value
- at 220 V Rated value
- at 440 V Rated value
- at 600 V Rated value

A	10
A	4.7
A	3
A	1.2
A	0.5
A	0.26

Installation/ mounting/ dimensions:

Mounting type		snap-on mounting
Width	mm	36
Height	mm	37.5
Depth	mm	43.7

Connections/ Terminals:

Type of electrical connection for auxiliary and control current circuit		ring cable connection
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Safety related data:

Product function Mirror contact acc. to IEC 60947-4-1		No
Product function positively driven operation acc. to IEC 60947-5-1		Yes
• Note		with 3RH2

Certificates/ approvals:

General Product Approval	Declaration of Conformity	Test Certificates
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Test Certificates	Shipping Approval
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Shipping Approval	other
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Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RH29114GA22>

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

<http://support.automation.siemens.com/WW/view/en/3RH29114GA22/all>

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

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RH29114GA22&lang=en>



