SIEMENS

Data sheet 3RH2921-1DA20

LATERAL AUX.SWITCH BLOCK,SIDE, 2NO, CURR.PATH: 1NO, 1NO, FOR MOTOR CONTACTORS, SZ S0 AND S2 SCREW TERMINAL R: 33/34, 43/44 L: 53/54, 63/64

General technical data:		
product brand name		SIRIUS
Suitability for use		Contactor relay and power contactor
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		0
• 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	A	10
— at 60 V Rated value	A	4.7
— at 110 V Rated value	A	3
— at 220 V Rated value	A	1.2
— at 440 V Rated value	A	0.5
— at 600 V Rated value	A	0.26

Installation/ mounting/ dimensions:		
Mounting type		snap-on mounting
Width	mm	10
Height	mm	57.4
Depth	mm	66

Connections/ Terminals:		
Type of electrical connection for auxiliary and control current circuit		screw-type terminals
Type of connectable conductor cross-section		
• for auxiliary contacts		
— finely stranded		
— with core end processing		2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)
• for AWG conductors for auxiliary contacts		2x (20 ... 16), 2x (18 ... 14)

Safety related data:		
Product function Mirror contact acc. to IEC 60947-4-1		Yes
• **Note**		with 3RT2
Product function positively driven operation acc. to IEC 60947-5-1		No

Certificates/ approvals:

General Product Approval				Declaration of Conformity	Test Certificates
CCC	CSA		UL	EG-Konf.	Type Test Certificates/Test Report

Test Certificates	Shipping Approval				
Special Test Certificate	ABS	BUREAU VERITAS	DNV	GL	LRS

Shipping Approval			other		
PRS	RINA	RMRS	Environmental Confirmations	Confirmation	VDE

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&mlfb=3RH29211DA20

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RH29211DA20

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH29211DA20&lang=en