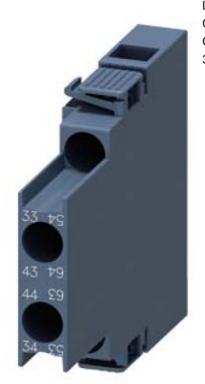
## **SIEMENS**

Data sheet 3RH2921-1DA20



LATERAL AUX.SWITCH BLOCK,SIDE, 2NO, CURR.PATH: 1NO, 1NO, FOR MOTOR CONTACTORS, SZ SO 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 <b>+</b> 80
<ul><li>during operation</li></ul>	°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 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 auxiliary contacts at AC-12		
● at 24 V	Α	10
● at 230 V	Α	10
• maximum	Α	10
Operating current		
<ul> <li>of auxiliary contacts</li> </ul>		
— at AC-14		
— at 125 V	Α	6
— at 250 V	Α	6
— at AC-15		
— at 24 V	Α	6
— at 230 V	Α	6
— at 400 V	Α	3
• at AC-15 at 690 V rated value	Α	1
Operating current		
<ul> <li>with 2 current paths in series at DC-12</li> </ul>		
— at 24 V rated value	Α	10
— at 60 V rated value	Α	10
— at 110 V rated value	Α	4
— at 220 V rated value	Α	2
— at 440 V rated value	Α	1.3
— at 600 V rated value	Α	0.65
<ul> <li>with 3 current paths in series at DC-12</li> </ul>		
— at 24 V rated value	Α	10
— at 60 V rated value	Α	10
— at 110 V rated value	Α	10
— at 220 V rated value	Α	3.6
— at 440 V rated value	Α	2.5
— at 600 V rated value	Α	1.8
Operating current		
<ul> <li>of auxiliary contacts at DC-13</li> </ul>		
— at 24 V	Α	6
— at 60 V	Α	2
— at 110 V	Α	1
— at 220 V	Α	0.3
<ul> <li>with 2 current paths in series at DC-13</li> </ul>		
— at 24 V rated value	Α	10



— at 60 V rated value	Α	3.5
— at 110 V rated value	Α	1.3
— at 220 V rated value	Α	0.9
— at 440 V rated value	Α	0.2
— at 600 V rated value	Α	0.1
<ul> <li>with 3 current paths in series at DC-13</li> </ul>		
— at 24 V rated value	Α	10
— at 60 V rated value	Α	4.7
— at 110 V rated value	Α	3
— at 220 V rated value	Α	1.2
— at 440 V rated value	Α	0.5
— at 600 V rated value	Α	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	screw-type terminals
current circuit	
Type of connectable conductor cross-sections	
<ul> <li>for auxiliary contacts</li> </ul>	
— finely stranded	
<ul> <li>— with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>at AWG conductors for auxiliary contacts</li> </ul>	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

Typnrüfbescheinig











Typprüfbescheinigu ng/Werkszeugnis

Test Certificates **Shipping Approval** 

<u>spezielle</u> Prüfbescheinigunge

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## **Shipping Approval**

other







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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



