



Auxiliary switch lateral, 2 NO Current path 1 NO, 1 NO for 3RH and 3RT  
screw terminal R: 33/34, 43/44 L: 53/54, 63/64

### General technical data

<b>product brand name</b>	SIRIUS
<b>suitability for use</b>	Contact relay and power contactor
<b>protection class IP on the front</b>	IP20
<b>ambient temperature</b>	
• during storage	-55 ... +80 °C
• during operation	-25 ... +60 °C
<b>mechanical service life (switching cycles) typical</b>	10 000 000
<b>electrical endurance (switching cycles) at AC-15 at 230 V typical</b>	200 000
<b>contact reliability of auxiliary contacts</b>	1 faulty switching per 100 million (17 V, 1 mA)
<b>insulation voltage with degree of pollution 3 at AC rated value</b>	690 V
<b>surge voltage resistance rated value</b>	6 kV

### Auxiliary circuit

<b>number of NC contacts for auxiliary contacts</b>	
• instantaneous contact	0
• lagging switching	0
<b>number of NO contacts for auxiliary contacts</b>	
• instantaneous contact	2
• leading contact	0
<b>operational current of auxiliary contacts at AC-12</b>	
• at 24 V	10 A
• at 230 V	10 A
• maximum	10 A
<b>operational current</b>	
• of auxiliary contacts	
— at AC-14	
— at 125 V	6 A
— at 250 V	6 A
— at AC-15	
— at 24 V	6 A
— at 230 V	6 A
— at 400 V	3 A
• at AC-15 at 690 V rated value	1 A
<b>operational current</b>	
• of auxiliary contacts at DC-12	
— at 24 V	10 A
— at 110 V	3 A
— at 220 V	1 A
• with 2 current paths in series at DC-12	
— at 24 V rated value	10 A

<ul style="list-style-type: none"> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>• with 3 current paths in series at DC-12 <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> </ul> </li> </ul>	10 A 4 A 2 A 1.3 A 0.65 A  10 A 10 A 10 A 3.6 A 2.5 A 1.8 A
<b>operational current</b>	
<ul style="list-style-type: none"> <li>• of auxiliary contacts at DC-13 <ul style="list-style-type: none"> <li>— at 24 V</li> <li>— at 60 V</li> <li>— at 110 V</li> <li>— at 220 V</li> </ul> </li> <li>• with 2 current paths in series at DC-13 <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> </ul> </li> <li>• with 3 current paths in series at DC-13 <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> </ul> </li> </ul>	6 A 2 A 1 A 0.3 A  10 A 3.5 A 1.3 A 0.9 A 0.2 A 0.1 A  10 A 4.7 A 3 A 1.2 A 0.5 A 0.26 A
<b>Installation/ mounting/ dimensions</b>	
<b>fastening method</b>	snap-on mounting
<b>width</b>	10 mm
<b>height</b>	57.4 mm
<b>depth</b>	66 mm
<b>Connections/ Terminals</b>	
<b>type of electrical connection for auxiliary and control circuit</b>	screw-type terminals
<b>type of connectable conductor cross-sections</b>	
<ul style="list-style-type: none"> <li>• for auxiliary contacts <ul style="list-style-type: none"> <li>— finely stranded</li> <li>— with core end processing</li> </ul> </li> <li>• at AWG cables for auxiliary contacts</li> </ul>	2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ) 2x (20 ... 16), 2x (18 ... 14)
<b>Safety related data</b>	
<b>product function mirror contact according to IEC 60947-4-1</b>	Yes
<ul style="list-style-type: none"> <li>• note</li> </ul>	with 3RT2
<b>product function positively driven operation according to IEC 60947-5-1</b>	No
<b>Certificates/ approvals</b>	
<b>General Product Approval</b>	



[Confirmation](#)



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EMC	Test Certificates	Marine / Shipping
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[Type Test Certificates/Test Report](#)

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## Marine / Shipping

other



[Confirmation](#)



## Railway

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

[Vibration and Shock](#)

## Further information

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=3RH2921-1DA20>

Cax online generator

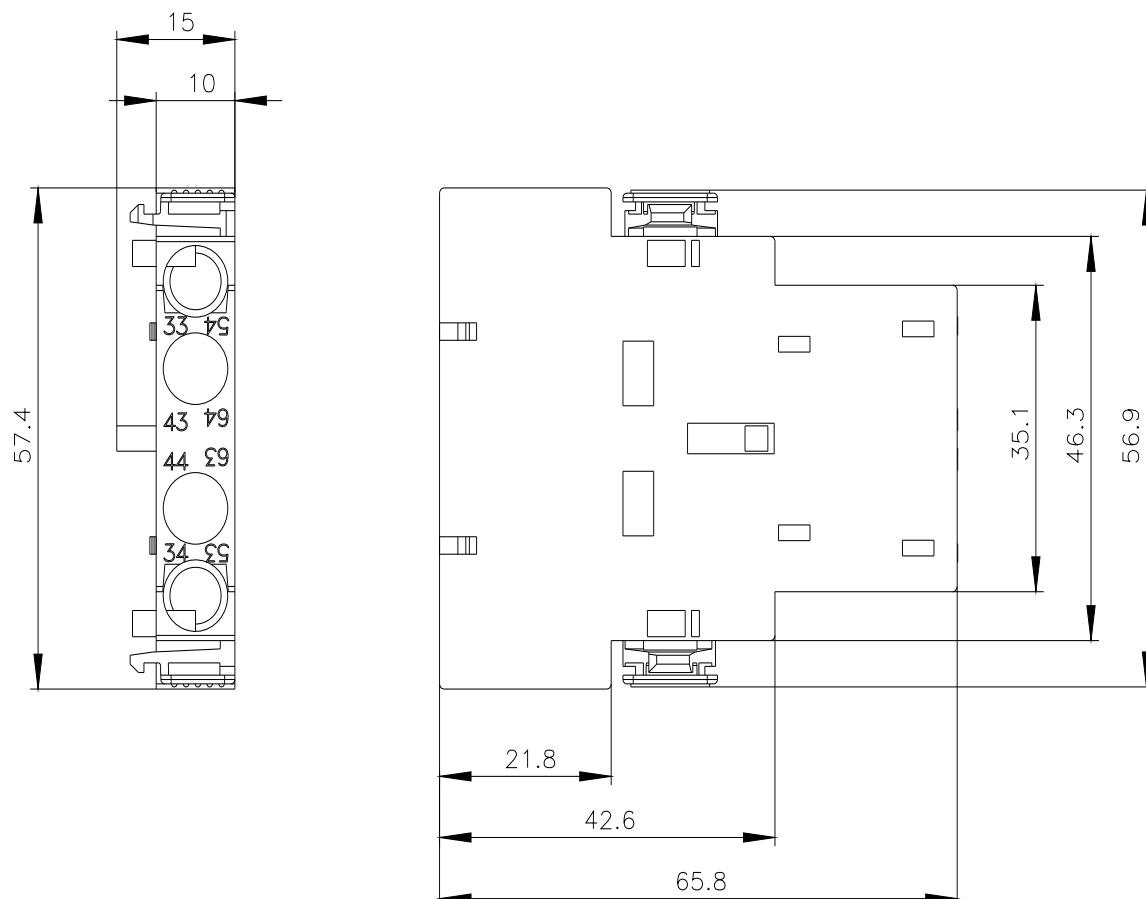
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2921-1DA20>

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

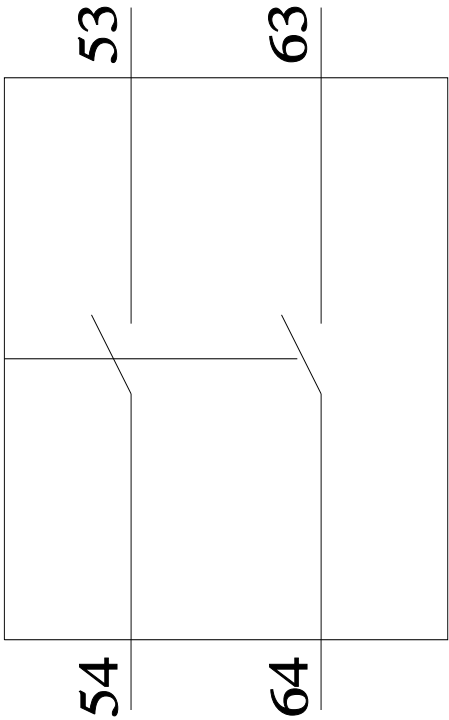
<https://support.industry.siemens.com/cs/ww/en/ps/3RH2921-1DA20>

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

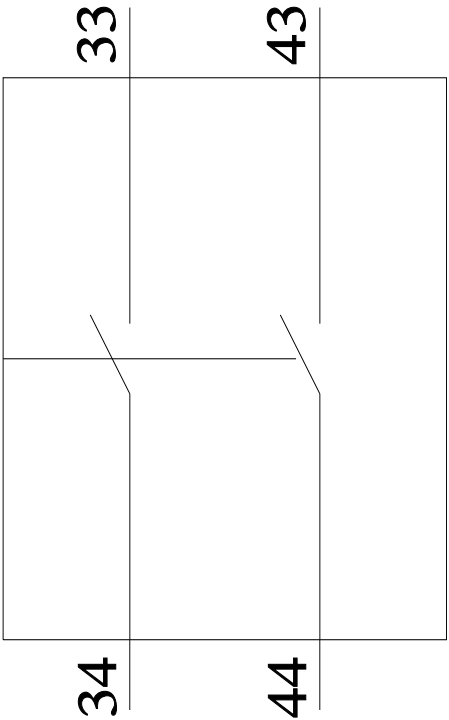
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH2921-1DA20&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2921-1DA20&lang=en)



Links / left



Rechts / right



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1/18/2021 