

auxiliary switch, lateral, 1 NO + 1 NC, on the left: 41/42, 53/54, on the right: 21/22, 33/34, current path: 1 NC, 1 NO, spring-loaded terminal, for contactors 3RT2.1

<b>product brand name</b>	SIRIUS
<b>product category</b>	Auxiliary switch
<b>product designation</b>	auxiliary switch
<b>design of the product</b>	first laterally mountable
<b>product type designation</b>	3RH29
<b>suitability for use</b>	for 3RT2.1
<b>General technical data</b>	
insulation voltage with degree of pollution 3 at AC rated value	690 V
<b>surge voltage resistance rated value</b>	6 kV
protection class IP on the front	IP20
<b>mechanical service life (operating cycles) typical</b>	10 000 000
<b>electrical endurance (operating cycles) at AC-15 at 230 V typical</b>	200 000
<b>Substance Prohibitance (Date)</b>	10/01/2009
<b>number of NC contacts for auxiliary contacts</b>	
• instantaneous contact	1
• lagging switching	0
<b>number of NO contacts for auxiliary contacts</b>	
• instantaneous contact	1
• leading contact	0
<b>number of CO contacts of auxiliary contacts instantaneous contact</b>	0
<b>operational current at AC-15 at 690 V rated value</b>	1 A
<b>operational current of auxiliary contacts at AC-12</b>	
• at 24 V	10 A
• at 230 V	10 A
<b>operational current of auxiliary contacts at AC-14</b>	
• at 125 V	6 A
• at 250 V	6 A
<b>operational current of auxiliary contacts at AC-12 maximum</b>	10 A
<b>operational current of auxiliary contacts at AC-15</b>	
• at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
<b>operational current of auxiliary contacts at DC-12</b>	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
<b>operational current with 2 current paths in series at DC-12</b>	
• at 24 V rated value	10 A
• at 60 V rated value	10 A

<ul style="list-style-type: none"> <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>	4 A 2 A 1.3 A 0.65 A
<b>operational current with 3 current paths in series at DC-12</b>	
<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>	10 A 10 A 10 A 3.6 A 2.5 A 1.8 A
<b>operational current with 2 current paths in series at DC-13</b>	
<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>	10 A 3.5 A 1.3 A 0.9 A 0.2 A 0.1 A
<b>operational current with 3 current paths in series at DC-13</b>	
<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>	10 A 4.7 A 3 A 1.2 A 0.5 A 0.26 A
<b>operational current of auxiliary contacts at DC-13</b>	
<ul style="list-style-type: none"> <li>• at 24 V</li> <li>• at 48 V</li> <li>• at 60 V</li> <li>• at 110 V</li> <li>• at 125 V</li> <li>• at 220 V</li> <li>• at 250 V</li> </ul>	6 A 2 A 2 A 1 A 0.9 A 0.3 A 0.3 A
<b>contact reliability of auxiliary contacts</b>	1 faulty switching per 100 million (17 V, 1 mA)
<b>Ambient conditions</b>	
<b>ambient temperature</b>	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> </ul>	-25 ... +60 °C -55 ... +80 °C
<b>Environmental footprint</b>	
Environmental Product Declaration (EPD)	Yes
Global Warming Potential [CO <sub>2</sub> eq] total	0.788 kg
Global Warming Potential [CO <sub>2</sub> eq] during manufacturing	0.2 kg
Global Warming Potential [CO <sub>2</sub> eq] during operation	0.56 kg
Global Warming Potential [CO <sub>2</sub> eq] after end of life	0.03 kg
<b>Safety related data</b>	
<b>product function</b>	
<ul style="list-style-type: none"> <li>• mirror contact according to IEC 60947-4-1</li> <li>• positively driven operation according to IEC 60947-5-1</li> </ul>	Yes; with 3RT2 No
<b>Installation/ mounting/ dimensions</b>	
<b>fastening method</b>	snap-on mounting
<b>height</b>	64.8 mm
<b>width</b>	10 mm
<b>depth</b>	66 mm
<b>Connections/ Terminals</b>	
type of electrical connection for auxiliary and control circuit	spring-loaded terminals
<b>connectable conductor cross-section for auxiliary contacts</b>	
<ul style="list-style-type: none"> <li>• solid or stranded</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> </ul>	0.5 ... 2.5 mm <sup>2</sup> 0.5 ... 2.5 mm <sup>2</sup> 0.5 ... 2.5 mm <sup>2</sup>
<b>type of connectable conductor cross-sections</b>	

- for auxiliary contacts
  - solid or stranded
  - finely stranded with core end processing
  - finely stranded without core end processing
- for AWG cables for auxiliary contacts

2x (0.5 ... 2.5 mm<sup>2</sup>)  
 2x (0.5 ... 1.5 mm<sup>2</sup>)  
 2x (0.5 ... 2.5 mm<sup>2</sup>)  
 2x (20 ... 14)

AWG number as coded connectable conductor cross section for auxiliary contacts

20 ... 14

### Approvals Certificates

#### General Product Approval



[Confirmation](#)



[KC](#)

General Product Approval	EMV	Functional Safety	Test Certificates	Marine / Shipping
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[Type Examination Certificate](#)

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



Marine / Shipping	other
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[Miscellaneous](#)

other	Railway	Environment
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[Confirmation](#)

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



[Environmental Confirmations](#)

### Further information

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=3RH2911-2DA11>

Cax online generator

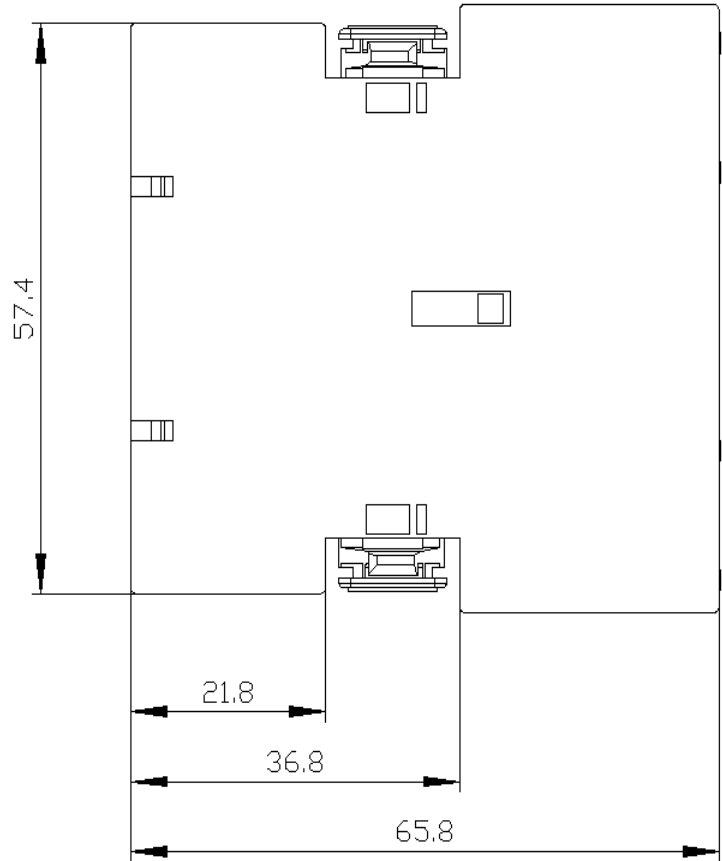
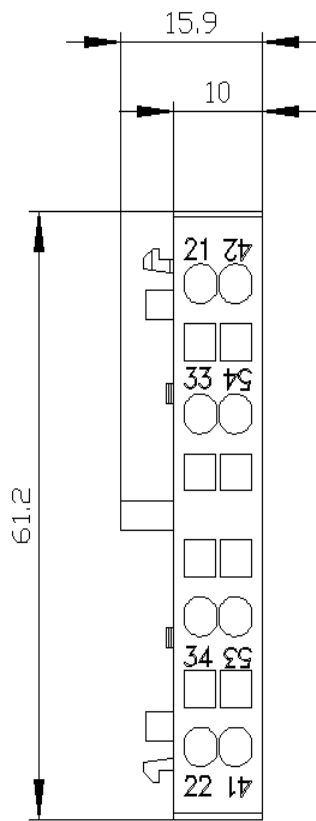
<http://support.automation.siemens.com/WWW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-2DA11>

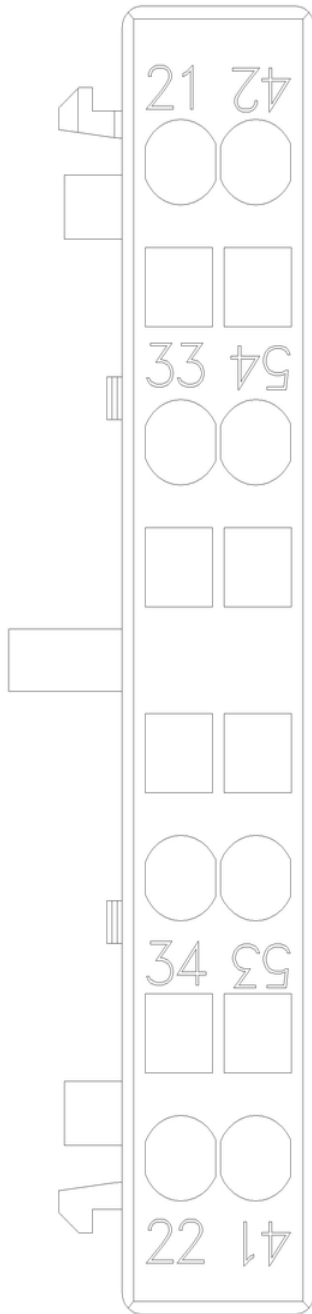
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-2DA11>

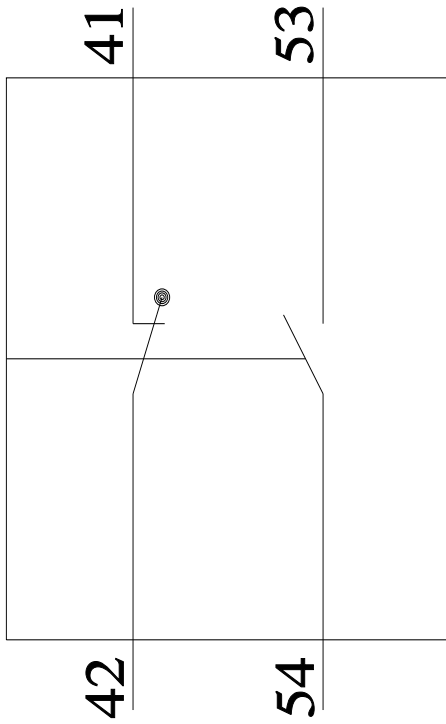
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH2911-2DA11&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-2DA11&lang=en)

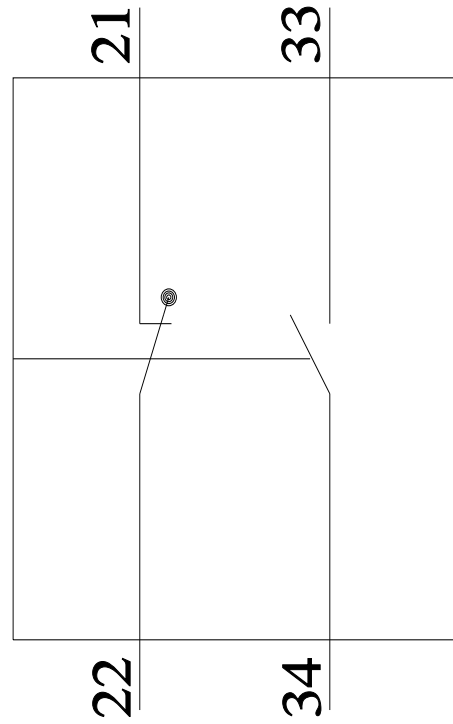




## Links / left



## Rechts / right



last modified:

1/23/2024 