



auxiliary switch, on the front, 3 NO + 1 NC, 53/54, 61/62, 73/74, 83/84, current path: 1 NO, 1 NC, 1 NO, 1 NO, screw terminal, physically coded, only with contactor relays 3RH2140 and 3RH2440 combinable (according to EN 50011)

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	Can be snapped onto front of 3RH2140/3RH2440 auxiliary switch
product type designation	3RH29
suitability for use	for 3RH2
<b>General technical data</b>	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
number of NC contacts for auxiliary contacts	
• instantaneous contact	1
• lagging switching	0
number of NO contacts for auxiliary contacts	
• instantaneous contact	3
• leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
• 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	0.92 kg
Global Warming Potential [CO <sub>2</sub> eq] during manufacturing	0.34 kg
Global Warming Potential [CO <sub>2</sub> eq] during operation	0.562 kg
Global Warming Potential [CO <sub>2</sub> eq] after end of life	0.017 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>	No Yes
<b>Installation/ mounting/ dimensions</b>	
<b>fastening method</b>	snap-on mounting
<b>height</b>	37.5 mm
<b>width</b>	36 mm
<b>depth</b>	43.7 mm
<b>Connections/ Terminals</b>	
type of electrical connection for auxiliary and control circuit	screw-type 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> </ul>	0.5 ... 2.5 mm <sup>2</sup> 0.5 ... 2.5 mm <sup>2</sup>
<b>type of connectable conductor cross-sections</b>	
<ul style="list-style-type: none"> <li>• for auxiliary contacts</li> </ul>	

- solid or stranded
- finely stranded with core end processing
- for AWG cables for auxiliary contacts

2x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.75 ... 2.5 mm<sup>2</sup>)  
 2x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.75 ... 2.5 mm<sup>2</sup>)  
 2x (20 ... 16), 2x (18 ... 14)

AWG number as coded connectable conductor cross section for auxiliary contacts

20 ... 14

### Approvals Certificates

#### General Product Approval



[Confirmation](#)



#### General Product Approval

#### EMV

#### Functional Safety

#### Test Certificates

[KC](#)



[Type Examination Certificate](#)

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

#### Marine / Shipping



#### Marine / Shipping

#### other

#### Railway

#### Environment



[Miscellaneous](#)

[Confirmation](#)

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



#### Environment

[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=3RH2911-1GA31>

#### Cax online generator

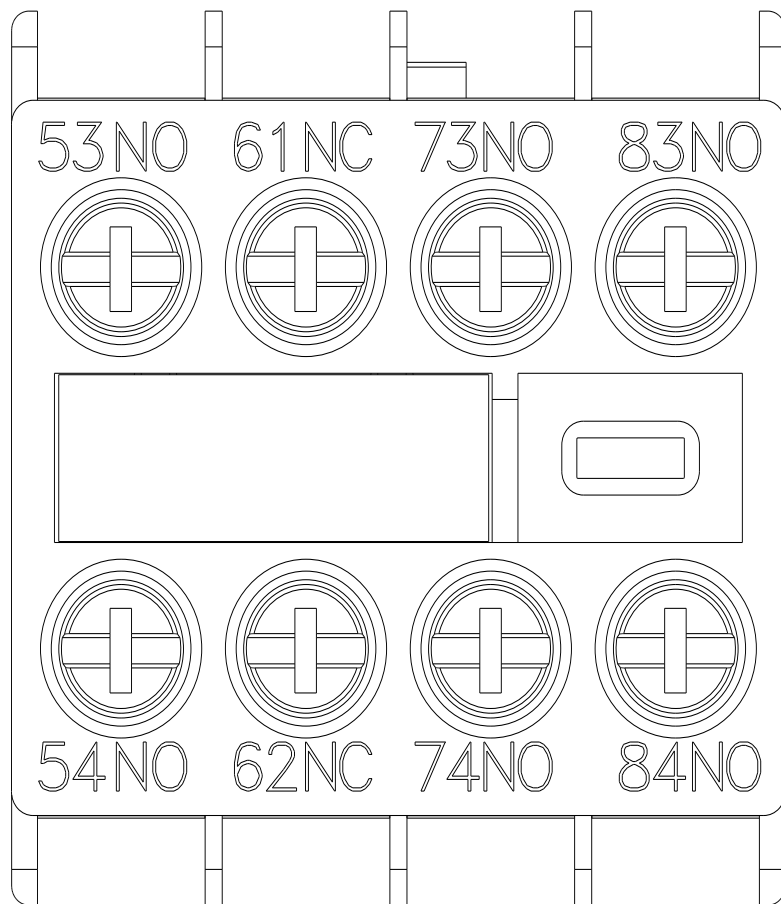
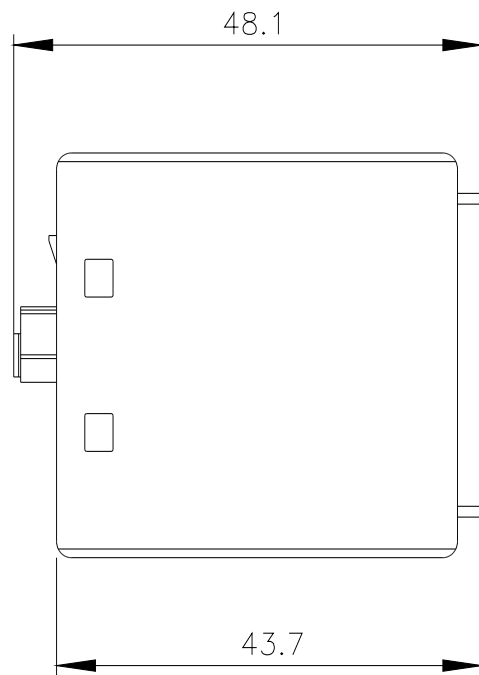
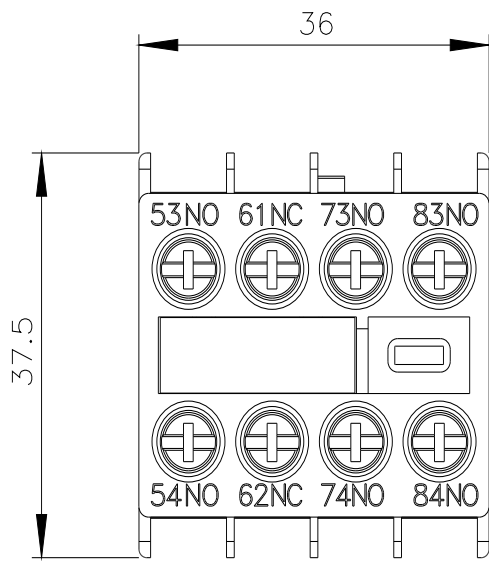
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-1GA31>

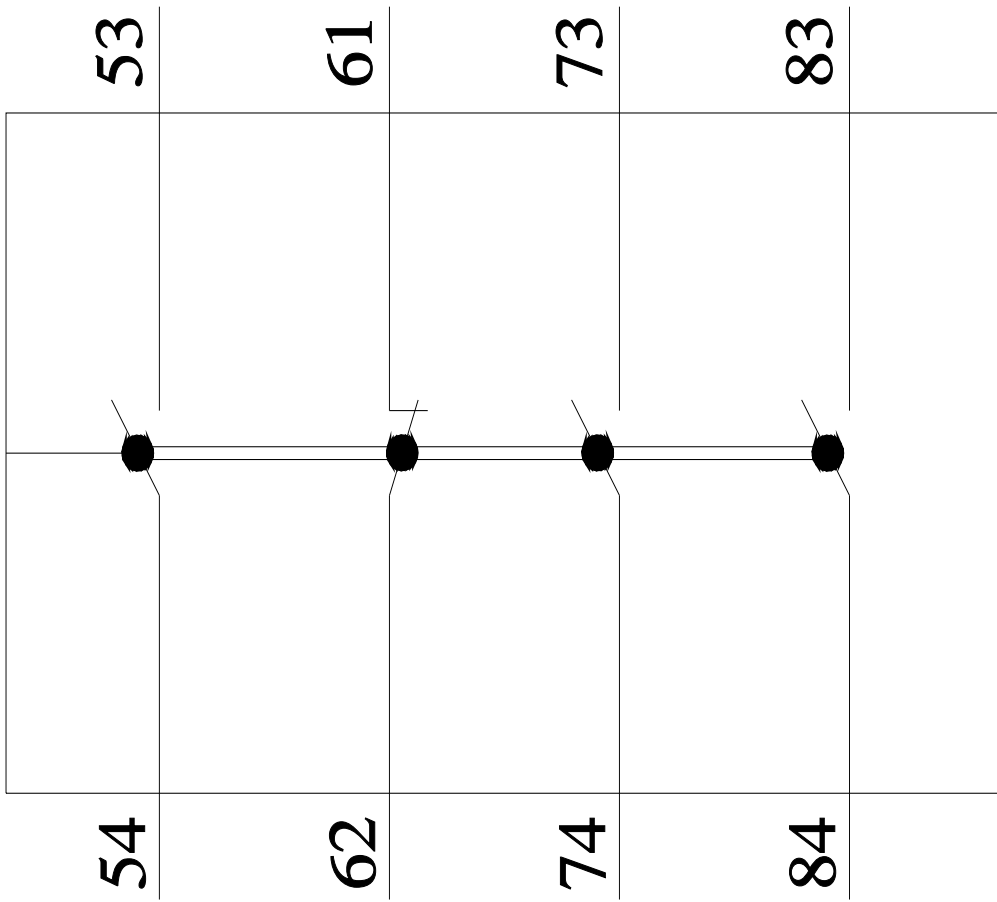
#### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1GA31>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH2911-1GA31&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-1GA31&lang=en)





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