

Auxiliary switch block, 22 2 NO + 2 NC EN 50005 Spring-type terminal Size S00  
For auxiliary and motor contactors !!! Phased-out product !!! Successor is SIRIUS  
3RH2 Preferred successor type is >>3RH2911-2FA22<<

<b>product brand name</b>	SIRIUS
<b>product category</b>	Auxiliary switch
<b>product designation</b>	auxiliary switch
<b>design of the product</b>	for snapping onto the front
<b>product type designation</b>	3RH19
<b>suitability for use</b>	Contact relay and power contactor
<b>General technical data</b>	
<b>size of contactor</b>	S00
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 Prohibition (Date)</b>	07/01/2006
<b>number of NC contacts for auxiliary contacts</b>	
• instantaneous contact	2
number of NO contacts for auxiliary contacts	
• instantaneous contact	2
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	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
• at 110 V rated value	4 A
• at 220 V rated value	2 A
• at 440 V rated value	1.3 A
• at 600 V rated value	0.65 A
<b>operational current with 3 current paths in series at DC-12</b>	
• at 24 V rated value	10 A
• at 60 V rated value	10 A
• at 110 V rated value	10 A
• at 220 V rated value	3.6 A
• at 440 V rated value	2.5 A
• at 600 V rated value	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>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 3RT1 Yes			
<b>Installation/ mounting/ dimensions</b>				
<b>fastening method</b>	snap-on mounting			
<b>height</b>	37.5 mm			
<b>width</b>	36.5 mm			
<b>depth</b>	46 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>				
<ul style="list-style-type: none"> <li>• for auxiliary contacts               <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> </li> <li>• for AWG cables for auxiliary contacts</li> </ul>	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			
<b>Approvals Certificates</b>				
<b>General Product Approval</b>	<b>Functional Safety</b>	<b>Test Certificates</b>		
 <a href="#">Confirmation</a>	 	<a href="#">Type Examination Certificate</a> <a href="#">Special Test Certificate</a>		
<b>Test Certificates</b>	<b>Marine / Shipping</b>	<b>other</b>	<b>Railway</b>	<b>Environment</b>



**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=3RH1911-2FA22>

**Cax online generator**

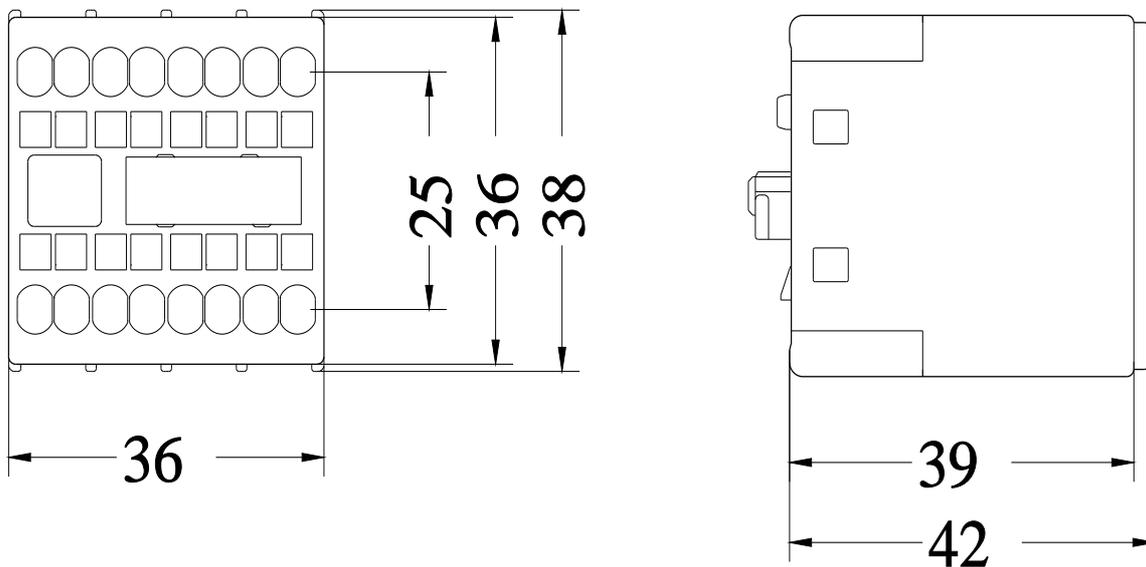
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1911-2FA22>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1911-2FA22>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH1911-2FA22&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH1911-2FA22&lang=en)



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