


Auxiliary switch block, 22, 2 NO + 2 NC, EN 50012, 4-pole, screw terminal, for motor contactors, Size S0 .. S3 ! Phased-out product!  
Successor is SIRIUS 3RH2



General technical data	
Product brand name	SIRIUS
Suitability for use	Contact relay and power contactor
Protection class IP on the front	IP20
Ambient temperature	<ul style="list-style-type: none"> <li>during storage: -55 ... +80 °C</li> <li>during operation: -25 ... +60 °C</li> </ul>
Mechanical service life (switching cycles) typical	10 000 000
Electrical endurance (switching cycles) at AC-15 at 230 V typical	200 000
Contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Insulation voltage with degree of pollution 3 at AC rated value	690 V
Surge voltage resistance rated value	6 kV
Auxiliary circuit	
Number of NC contacts for auxiliary contacts	<ul style="list-style-type: none"> <li>instantaneous contact: 2</li> </ul>
Number of NO contacts for auxiliary contacts	<ul style="list-style-type: none"> <li>instantaneous contact: 2</li> </ul>

<p><b>Operating current of auxiliary contacts at AC-12</b></p> <ul style="list-style-type: none"> <li>• at 24 V</li> <li>• at 230 V</li> <li>• maximum</li> </ul>	<p>10 A 10 A 10 A</p>
<p><b>Operating current</b></p> <ul style="list-style-type: none"> <li>• of auxiliary contacts <ul style="list-style-type: none"> <li>— at AC-14 <ul style="list-style-type: none"> <li>— at 125 V</li> <li>— at 250 V</li> </ul> </li> <li>— at AC-15 <ul style="list-style-type: none"> <li>— at 24 V</li> <li>— at 230 V</li> <li>— at 400 V</li> </ul> </li> </ul> </li> <li>• at AC-15 at 690 V rated value</li> </ul>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p>SIEMENS ELECTROJAM-SIEMENS.COM <i>Ingenuity for life</i></p> </div> <div style="text-align: right;"> <p>الکتروجیم   نمایندگی اتوماسیون صنعتی زیمنس ۰۲۱-۳۶۰۵۹۹۹۲</p> </div> </div> <p>6 A 6 A 6 A 6 A 6 A 3 A 1 A</p>
<p><b>Operating current</b></p> <ul style="list-style-type: none"> <li>• of auxiliary contacts at DC-12 <ul style="list-style-type: none"> <li>— at 24 V</li> <li>— at 110 V</li> <li>— at 220 V</li> </ul> </li> <li>• with 2 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> <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>	<p>10 A 3 A 1 A 10 A 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</p>
<p><b>Operating current</b></p> <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> </ul> </li> </ul>	<p>6 A 2 A 1 A 0.3 A 10 A</p>

— at 60 V rated value	3.5 A
— at 110 V rated value	1.3 A
— at 220 V rated value	0.9 A
— at 440 V rated value	0.2 A
— at 600 V rated value	0.1 A
• with 3 current paths in series at DC-13	
— at 24 V rated value	10 A
— at 60 V rated value	4.7 A
— at 110 V rated value	3 A
— at 220 V rated value	1.2 A
— at 440 V rated value	0.5 A
— at 600 V rated value	0.26 A

#### Installation/ mounting/ dimensions

Mounting type	snap-on mounting
Width	44 mm
Height	38 mm
Depth	51 mm

#### Connections/ Terminals

Type of electrical connection for auxiliary and control current circuit	screw-type terminals
Type of connectable conductor cross-sections	
• for auxiliary contacts	
— finely stranded	
— with core end processing	2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )
• at AWG conductors for auxiliary contacts	2x (20 ... 16), 2x (18 ... 14)

#### Safety related data

Product function Mirror contact acc. to IEC 60947-4-1	Yes
• Note	with 3RT1
Product function positively driven operation acc. to IEC 60947-5-1	No

#### Certificates/ approvals



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General Product Approval	Functional Safety/Safety of Machinery
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[KC](#)



[Type Examination Certificate](#)

Declaration of Conformity	Test Certificates	Shipping Approval	other
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EG-Konf.

[Miscellaneous](#)

[Special Test Certificate](#)



ABS



RMRS

[Confirmation](#)

### Railway

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

### 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?mfb=3RH1921-1HA22>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RH1921-1HA22>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1921-1HA22>

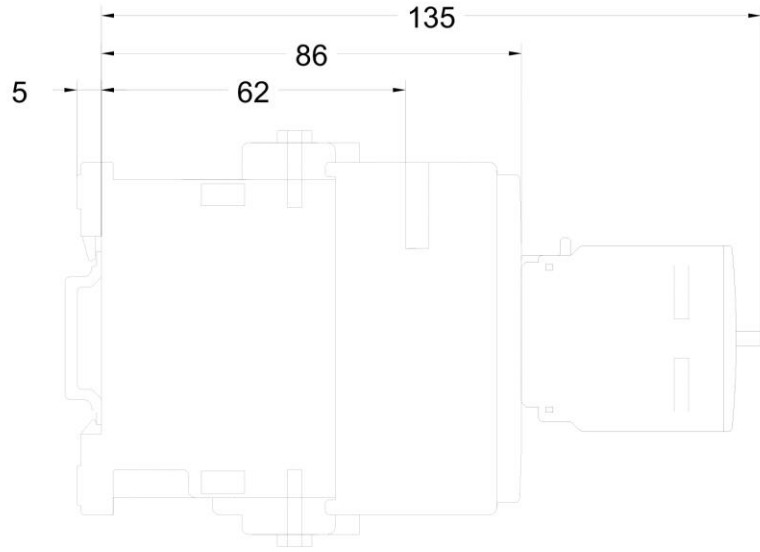
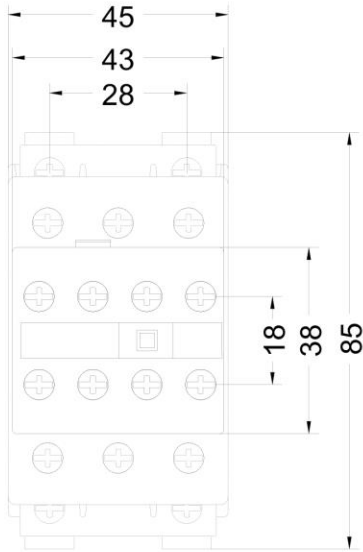
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3RH1921-1HA22&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RH1921-1HA22&lang=en)



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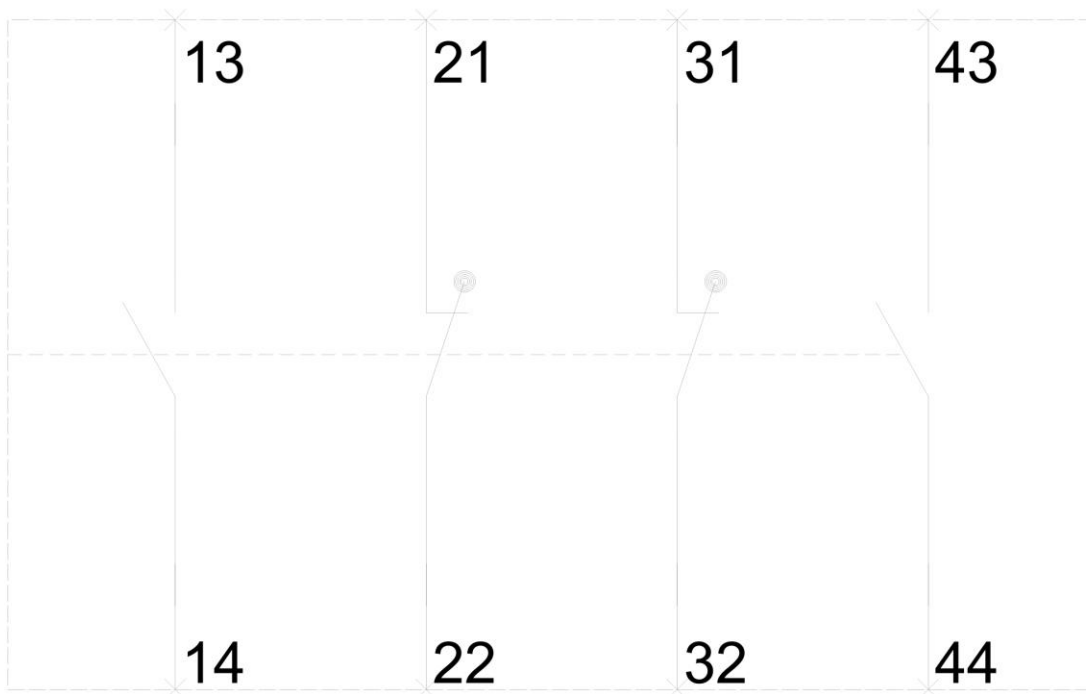
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04/02/2020 



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