

Mounting block, 4 pole, 2NO+2NC EN 50005,



|   |                                     |
|---|-------------------------------------|
| product brand name  | SIRIUS                              |
| product category  | Auxiliary switch                    |
| product designation   | auxiliary switch                    |
| suitability for use   | Contactor relay and power contactor |
| <b>General technical data</b>                                     |                                     |
| size of contactor   | S0                                  |
| 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)                                     | 07/01/2006                          |
| number of NC contacts for auxiliary contacts                      |                                     |
| • 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                                 |
| 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                                |
| • at 110 V rated value  | 4 A                                 |
| • at 220 V rated value  | 2 A                                 |
| • at 440 V rated value  | 1.3 A                               |

|  |  |
|--|--|
| <ul style="list-style-type: none"> <li>at 600 V rated value</li> </ul>   | 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<br>10 A<br>10 A<br>3.6 A<br>2.5 A<br>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<br>3.5 A<br>1.3 A<br>0.9 A<br>0.2 A<br>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<br>4.7 A<br>3 A<br>1.2 A<br>0.5 A<br>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<br>2 A<br>2 A<br>1 A<br>0.9 A<br>0.3 A<br>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<br>-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<br>No  |
| <b>Installation/ mounting/ dimensions</b>  |  |
| <b>fastening method</b>  | snap-on mounting   |
| <b>height</b>  | 38 mm  |
| <b>width</b>   | 44 mm  |
| <b>depth</b>   | 51 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><br>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> </ul> </li> <li>for 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> )<br>2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )<br>2x (20 ... 16), 2x (18 ... 14) |
| AWG number as coded connectable conductor cross section for auxiliary contacts   | 20 ... 14  |
| <b>Approvals Certificates</b>  |  |
| <b>General Product Approval</b>  | other  |



EG-Konf.



CCC

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UL



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## Environment

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## 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=3RH5921-1FA22>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH5921-1FA22>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH5921-1FA22>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH5921-1FA22&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH5921-1FA22&lang=en)

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