



LATERAL AUX.SWITCH BLOCK,SIDE, 1NO+1NC,  
 CURR.PATH: 1NC, 1NO, FOR MOTOR  
 CONTACTORS, SZ S0 AND S2 SPRING-LOADED  
 TERMINAL R: 31/32, 43/44 L: 51/52, 63/64

General technical data:

|   |    |  |
|---|----|--|
| <b>product brand name</b>   |    | SIRIUS   |
| <b>Suitability for use</b>  |    | Contact relay and power contactor  |
| <b>Protection class IP on the front</b>                           |    | IP20   |
| <b>Ambient temperature</b>  |    |  |
| • during storage  | °C | -55 ... +80  |
| • during operation  | °C | -25 ... +60  |
| Mechanical service life (switching cycles) typical                |    | 10 000 000   |
| Electrical endurance (switching cycles) at AC-15 at 230 V typical |    | 200 000  |
| <b>Contact reliability</b>  |    | one incorrect switching operation of 100 million switching operations (17 V, 1 mA) |
| <b>Contact reliability of the auxiliary contacts</b>              |    | 1 faulty switching per 100 million (17 V, 1 mA)                                    |
| Insulation voltage with degree of pollution 3 Rated value         | V  | 690  |
| Surge voltage resistance Rated value                              | kV | 6  |

Auxiliary circuit:

|   |   |    |
|---|---|----|
| <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>Operating current of the auxiliary contacts at AC-12</b> |   |    |
| • at 24 V   | A | 10 |

|   |   |      |
|---|---|------|
| • at 230 V                                | A | 10   |
| • maximum                                 | A | 10   |
| <b>Operating current</b>                  |   |      |
| • of the auxiliary contacts               |   |      |
| — at AC-14                                |   |      |
| — at 125 V                                | A | 6    |
| — at 250 V                                | A | 6    |
| — at AC-15                                |   |      |
| — at 24 V                                 | A | 6    |
| — at 230 V                                | A | 6    |
| — at 400 V                                | A | 3    |
| • at AC-15 at 690 V Rated value           | A | 1    |
| <b>Operating current</b>                  |   |      |
| • with 2 current paths in series at DC-12 |   |      |
| — at 24 V Rated value                     | A | 10   |
| — at 60 V Rated value                     | A | 10   |
| — at 110 V Rated value                    | A | 4    |
| — at 220 V Rated value                    | A | 2    |
| — at 440 V Rated value                    | A | 1.3  |
| — at 600 V Rated value                    | A | 0.65 |
| • with 3 current paths in series at DC-12 |   |      |
| — at 24 V Rated value                     | A | 10   |
| — at 60 V Rated value                     | A | 10   |
| — at 110 V Rated value                    | A | 10   |
| — at 220 V Rated value                    | A | 3.6  |
| — at 440 V Rated value                    | A | 2.5  |
| — at 600 V Rated value                    | A | 1.8  |
| <b>Operating current</b>                  |   |      |
| • of the auxiliary contacts at DC-13      |   |      |
| — at 24 V                                 | A | 6    |
| — at 60 V                                 | A | 2    |
| — at 110 V                                | A | 1    |
| — at 220 V                                | A | 0.3  |
| • with 2 current paths in series at DC-13 |   |      |
| — at 24 V Rated value                     | A | 10   |
| — at 60 V Rated value                     | A | 3.5  |
| — at 110 V Rated value                    | A | 1.3  |
| — at 220 V Rated value                    | A | 0.9  |
| — at 440 V Rated value                    | A | 0.2  |
| — at 600 V Rated value                    | A | 0.1  |
| • with 3 current paths in series at DC-13 |   |      |

|                        |   |      |
|------------------------|---|------|
| — at 24 V Rated value  | A | 10   |
| — at 60 V Rated value  | A | 4.7  |
| — at 110 V Rated value | A | 3    |
| — at 220 V Rated value | A | 1.2  |
| — at 440 V Rated value | A | 0.5  |
| — at 600 V Rated value | A | 0.26 |

#### Installation/ mounting/ dimensions:

|                      |    |                  |
|----------------------|----|------------------|
| <b>Mounting type</b> |    | snap-on mounting |
| <b>Width</b>         | mm | 10               |
| <b>Height</b>        | mm | 64.8             |
| <b>Depth</b>         | mm | 66               |

#### Connections/ Terminals:






|   |  |  |
|---|--|--|
| Type of electrical connection for auxiliary and control current circuit   |  | spring-loaded terminals  |
| <b>Type of connectable conductor cross-section</b>  |  |  |
| <ul style="list-style-type: none"> <li>• for auxiliary contacts <ul style="list-style-type: none"> <li>— finely stranded <ul style="list-style-type: none"> <li>— with core end processing</li> <li>— without core end processing</li> </ul> </li> </ul> </li> <li>• for AWG conductors for auxiliary contacts</li> </ul> |  | 2x (0.5 ... 1.5 mm <sup>2</sup> )<br>2x (0.5 ... 2.5 mm <sup>2</sup> )<br>2x (20 ... 14) |





#### Safety related data:

|   |  |           |
|---|--|-----------|
| <b>Product function Mirror contact acc. to IEC 60947-4-1</b>              |  | Yes       |
| <ul style="list-style-type: none"> <li>• Note</li> </ul>                  |  | with 3RT2 |
| <b>Product function positively driven operation acc. to IEC 60947-5-1</b> |  | No        |

#### Certificates/ approvals:

|  |  |   |   |   |  |
|--|--|---|---|---|--|
| General Product Approval   |  |   |   | Declaration of Conformity   | Test Certificates                        |
| <br>CCC | <br>CSA | <br>UL |  | <br>EG-Konf. | <a href="#">Special Test Certificate</a> |

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| Test Certificates                                  | Shipping Approval  |   |  |   |  |
| <a href="#">Type Test Certificates/Test Report</a> | <br>ABS | <br>BUREAU VERITAS | <br>DNV | <br>GL | <br>LRS |

|  |   |   |   |                              |  |
|--|---|---|---|------------------------------|--|
| Shipping Approval  | other   |   |   |                              |  |
| <br>PRS | <br>RINA | <br>RMRS | <a href="#">Environmental Confirmations</a> | <a href="#">Confirmation</a> | <br>VDE |

#### Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<http://www.siemens.com/industrymall>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RH29212DA11>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH29212DA11>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3RH29212DA11&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RH29212DA11&lang=en)

