

1ST AUXILIARY CONTACT BLOCK FOR SIDE-MOUNTING  
TO CONTACTORS,  
LEFT OR RIGHT 1 NO + 1 NC



| General technical data:                         |    |                                     |
|-------------------------------------------------|----|-------------------------------------|
| product brand name                              |    | SIRIUS                              |
| Acceptability for application                   |    | Contactor relay and power contactor |
| Protection class IP / on the front              |    | IP20                                |
| Ambient temperature                             |    |                                     |
| • during storage                                | °C | -55 ... +80                         |
| • during operating                              | °C | -25 ... +55                         |
| Mechanical operating cycles as operating time   |    |                                     |
| • typical                                       |    | 10,000,000                          |
| Insulation voltage / with degree of pollution 3 |    |                                     |
| • rated value                                   | V  | 690                                 |
| Impulse voltage resistance                      |    |                                     |
| • rated value                                   | kV | 6                                   |
| Auxiliary circuit:                              |    |                                     |
| Number of NC contacts / for auxiliary contacts  |    |                                     |
| • instantaneous switching                       |    | 1                                   |
| • lagging switching                             |    | 0                                   |
| Number of NO contacts / for auxiliary contacts  |    |                                     |
| • instantaneous switching                       |    | 1                                   |
| • leading switching                             |    | 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 | 10   |
| • at AC-15                                                      |   |      |
| • at 24 V                                                       | A | 10   |
| • at 230 V                                                      | A | 5.6  |
| • at 400 V                                                      | A | 3.6  |
| • at AC-15 / at 690 V                                           | A | 2.3  |
| <b>Operating current</b>                                        |   |      |
| • of the auxiliary contacts / at DC-13                          |   |      |
| • at 24 V                                                       | A | 10   |
| • at 60 V                                                       | A | 5    |
| • at 110 V                                                      | A | 1.14 |
| • at 220 V                                                      | A | 0.48 |

#### Installation/ mounting/ dimensions:

|                      |    |                  |
|----------------------|----|------------------|
| <b>Mounting type</b> |    | snap-on mounting |
| <b>Width</b>         | mm | 12               |
| <b>Height</b>        | mm | 70               |
| <b>Depth</b>         | mm | 51.5             |

#### Connections/ terminals:

|                                                        |  |                                                                       |
|--------------------------------------------------------|--|-----------------------------------------------------------------------|
| <b>Type of the connectable conductor cross-section</b> |  |                                                                       |
| • for auxiliary contacts                               |  |                                                                       |
| • finely stranded                                      |  |                                                                       |
| • with conductor end processing                        |  | 2x (0.5 ... 1.0 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ) |
| • for AWG conductors / for auxiliary contacts          |  | 2x (18 ... 12)                                                        |

#### Safety:

|                                                                        |  |     |
|------------------------------------------------------------------------|--|-----|
| <b>Product function / positively driven operation to IEC 60947-5-1</b> |  | Yes |
|------------------------------------------------------------------------|--|-----|

#### Certificates/ approvals:

|                                                                                     |                                                                                                                               |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>General Product Approval</b>                                                     | <b>other</b>                                                                                                                  |
|  |  <a href="#">Declaration of Conformity</a> |

#### Further information:

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

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

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**Industry Mall (Online ordering system)**

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

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**Cax online generator**

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

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

<http://support.automation.siemens.com/WW/view/en/3TK1910-3A/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3TK1910-3A](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3TK1910-3A)

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last change:

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