

AUXILIARY SWITCH BLOCK, 22 (2NO+2NC),  
DIN EN50012, 4-POLE, SCREW CONNECTION,  
FOR MOTOR CONTACTORS, SIZE S0...S3



| 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 ... +60                                                                        |
| Mechanical operating cycles as operating time                       |    |                                                                                    |
| • typical                                                           |    | 10,000,000                                                                         |
| Electrical operating cycles as operating time / at AC-15 / at 230 V |    |                                                                                    |
| • typical                                                           |    | 200,000                                                                            |
| Contact reliability                                                 |    | one incorrect switching operation of 100 million switching operations (17 V, 5 mA) |
| Contact reliability / of the auxiliary contacts                     |    | 1 faulty switching per 100 million (17 V, 1 mA)                                    |
| Insulation voltage / with degree of pollution 3                     |    |                                                                                    |
| • rated value                                                       | V  | 690                                                                                |
| Impulse voltage resistance                                          |    |                                                                                    |
| • rated value                                                       | kV | 6                                                                                  |
| Auxiliary circuit:                                                  |    |                                                                                    |

|                                                                 |   |      |
|-----------------------------------------------------------------|---|------|
| <b>Number of NC contacts / for auxiliary contacts</b>           |   |      |
| • instantaneous switching                                       |   | 2    |
| <b>Number of NO contacts / for auxiliary contacts</b>           |   |      |
| • instantaneous switching                                       |   | 2    |
| <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                                           | 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 | 10   |
| • 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
- at 60 V / rated value
- at 110 V / rated value
- at 220 V / rated value
- at 440 V / rated value
- at 600 V / rated value
- with 3 current paths in series / at DC-13
  - at 24 V / rated value
  - at 60 V / rated value
  - at 110 V / rated value
  - at 220 V / rated value
  - at 440 V / rated value
  - at 600 V / rated value

|   |      |
|---|------|
| A | 10   |
| A | 3.5  |
| A | 1.3  |
| A | 0.9  |
| A | 0.2  |
| A | 0.1  |
|   |      |
| A | 10   |
| A | 4.7  |
| A | 3    |
| A | 1.2  |
| A | 0.5  |
| A | 0.26 |

#### Installation/ mounting/ dimensions:

|                      |    |                  |
|----------------------|----|------------------|
| <b>Mounting type</b> |    | snap-on mounting |
| <b>Width</b>         | mm | 44               |
| <b>Height</b>        | mm | 38               |
| <b>Depth</b>         | mm | 51               |

#### Connections/ terminals:

|                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------|
| <b>Design of the electrical connection</b> <ul style="list-style-type: none"> <li>• for auxiliary and control current circuit</li> </ul>                                                                                                                                                                                                                                         |  | screw-type terminals                                                                                    |
| <b>Type of the 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 conductor 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> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )<br>2x (20 ... 16), 2x (18 ... 14) |

#### Safety:

|                                                                                                                       |  |                  |
|-----------------------------------------------------------------------------------------------------------------------|--|------------------|
| <b>Product function / mirror contact to IEC 60947-4-1</b> <ul style="list-style-type: none"> <li>• comment</li> </ul> |  | Yes<br>with 3RT1 |
| <b>Product function / positively driven operation to IEC 60947-5-1</b>                                                |  | No               |

#### Certificates/ approvals:

| General Product Approval |  |  | Functional Safety /<br>Safety of<br>Machinery | Declaration of<br>Conformity |
|--------------------------|--|--|-----------------------------------------------|------------------------------|
|--------------------------|--|--|-----------------------------------------------|------------------------------|



CCC



CSA



UL

[Type Examination](#)



EG-Konf.

| Test Certificates | Shipping Approval | other |
|-------------------|-------------------|-------|
|-------------------|-------------------|-------|

[Special Test  
Certificate](#)



ABS



GL



RMRS

[Environmental  
Confirmations](#)

#### Further information:

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

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

##### Industry Mall (Online ordering system)

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

##### Cax online generator

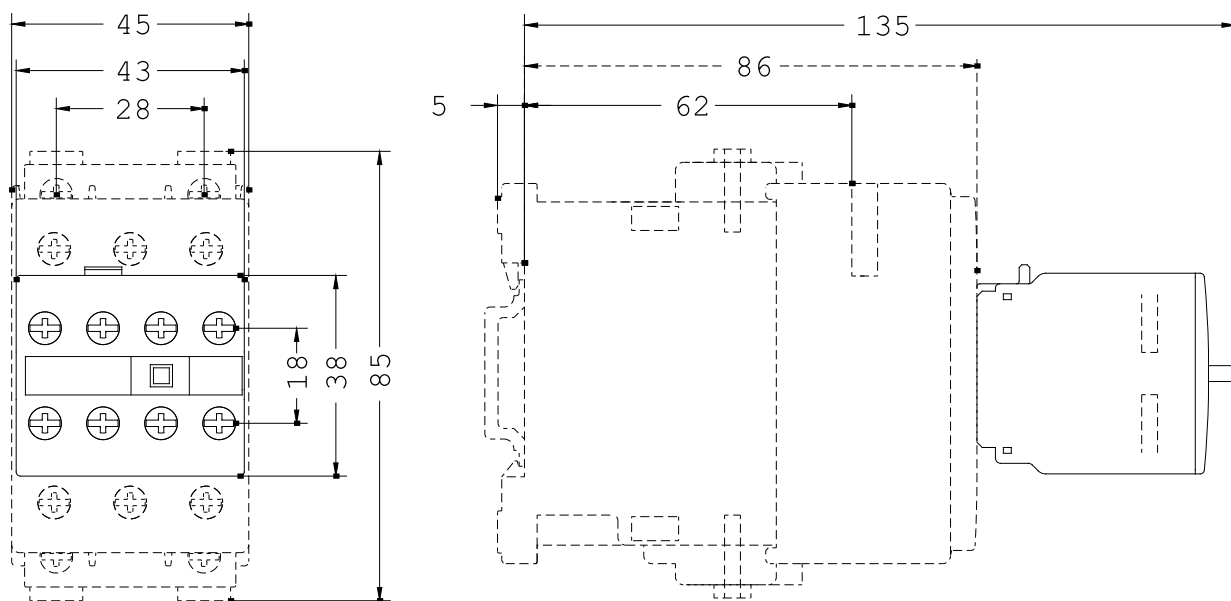
<http://www.siemens.com/cax>

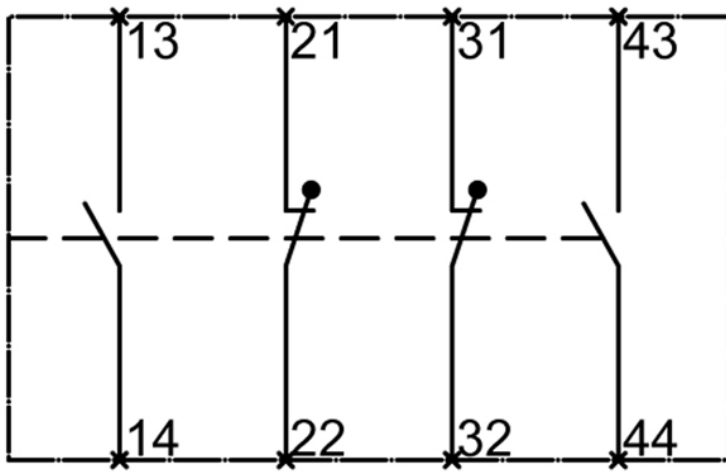
##### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RH1921-1HA22/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RH1921-1HA22](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RH1921-1HA22)





last change:

Jun 16, 2014