



BASIC MODULE FOR IO-LINK,  
REVERSING START,  
SPRING-LOADED CONNECTION,  
MOUNTED ON CONTACTORS 3RT2 S00/ S0 COMM.  
CAPABLE CONTACTOR REQUIRED

### General technical data:

|                                                              |    |                                                   |
|--------------------------------------------------------------|----|---------------------------------------------------|
| product brand name                                           |    | Sirius                                            |
| Product designation                                          |    | basic module for reversing start with IO-Link     |
| Design of the product                                        |    | reversing starter function                        |
| Size of the contactor / can be combined / company-specific   |    | S00, S0                                           |
| Protection class IP / on the front                           |    | IP20                                              |
| Degree of pollution                                          |    | 3                                                 |
| Insulation voltage / with degree of pollution 3              |    |                                                   |
| • rated value                                                | V  | 690                                               |
| Installation altitude / at a height over sea level / maximum | m  | 2,000                                             |
| Ambient temperature                                          |    |                                                   |
| • during storage                                             | °C | -40 ... +80                                       |
| • during operating                                           | °C | -25 ... +60                                       |
| • during transport                                           | °C | -40 ... +80                                       |
| EMC immunity to interference                                 |    |                                                   |
| • according to IEC 60947-1                                   |    | ambience A (industrial sector)                    |
| EMC emitted interference                                     |    |                                                   |
| • according to IEC 60947-1                                   |    | CISPR11, ambience A (industrial sector)           |
| Conductor-bound parasitic coupling BURST                     |    |                                                   |
| • according to IEC 61000-4-4                                 |    | 2 kV network connection / 1 kV control connection |

|                                                                                 |  |                        |
|---------------------------------------------------------------------------------|--|------------------------|
| <b>Conductor-bound parasitic coupling conductor-earth SURGE</b>                 |  |                        |
| • according to IEC 61000-4-5                                                    |  | 1 kV                   |
| <b>Conductor-bound parasitic coupling conductor-conductor SURGE</b>             |  |                        |
| • according to IEC 61000-4-5                                                    |  | 0.5 kV                 |
| <b>Electrostatic discharge</b>                                                  |  |                        |
| • according to IEC 61000-4-2                                                    |  | 8 kV                   |
| <b>Field-bound parasitic coupling</b>                                           |  |                        |
| • according to IEC 61000-4-3                                                    |  | 10 V/m                 |
| <b>Resistance against shock</b>                                                 |  | 11g / 15 ms            |
| <b>Resistance against vibration</b>                                             |  | 10 ... 55 Hz / 0.35 mm |
| <b>Reference code</b>                                                           |  |                        |
| • according to DIN 40719 extended according to IEC 204-2 / according to IEC 750 |  | K                      |
| • according to DIN EN 61346-2                                                   |  | K                      |
| <b>Acceptability for application</b>                                            |  |                        |
| • direct starter                                                                |  | No                     |
| • star-delta starter                                                            |  | No                     |
| • reversing starter                                                             |  | Yes                    |

#### Communication:

##### Product function

- bus-communication
- control circuit interface with IO link
- control circuit interface with AS interface

Yes  
Yes  
No

#### Control circuit:

##### Design of the surge suppressor

suppressor diode

##### Voltage type / of control feed voltage

DC

##### Control supply voltage / 1 / for DC / rated value

V

24

#### Installation/mounting/dimensions:

##### mounting position

any

##### Mounting type

can be plugged into contactor

##### Width

mm

45

##### Height

mm

39

##### Depth

mm

75

#### Connections:

##### Product function

- removable terminal for auxiliary and control circuit

Yes

|                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Design of the electrical connection</b>                                                                                                                                                                                                                                                                                                            |  | spring-loaded terminals                                                                                                                                                                                                                          |
| <ul style="list-style-type: none"> <li>• for auxiliary and control current circuit</li> </ul>                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                                                                                  |
| <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>• solid</li> <li>• finely stranded <ul style="list-style-type: none"> <li>• with conductor end processing</li> <li>• without conductor final cutting</li> </ul> </li> </ul> </li> <li>• for AWG conductors / for auxiliary contacts</li> </ul> |  | 1x (0.25 ... 1.5 mm <sup>2</sup> ), 2x (0.25 ... 1.5 mm <sup>2</sup> )<br><br>1x (0.25 ... 1.5 mm <sup>2</sup> ), 2x (0.25 ... 1.5 mm <sup>2</sup> )<br>1x (0.25 ... 1.5 mm <sup>2</sup> ), 2x (0.25 ... 1.5 mm <sup>2</sup> )<br>2x (24 ... 16) |

#### Certificates/approvals:

##### Verification of suitability

CE / UL / CSA

##### General Product Approval

##### Test Certificates



[Type Test](#)  
[Certificates/Test](#)  
[Report](#)

##### Shipping Approval



GL



LRS



RMRS

##### other

[Declaration of  
Conformity](#)

[other](#)

[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

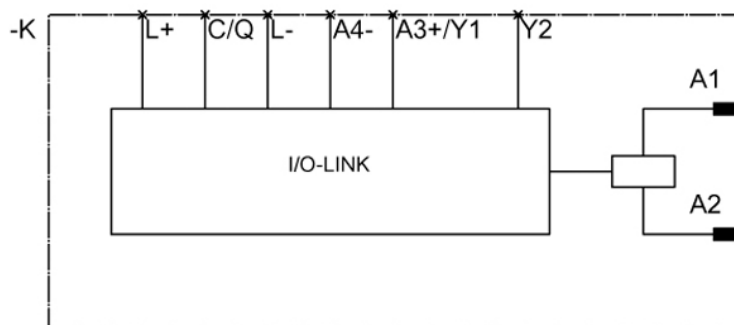
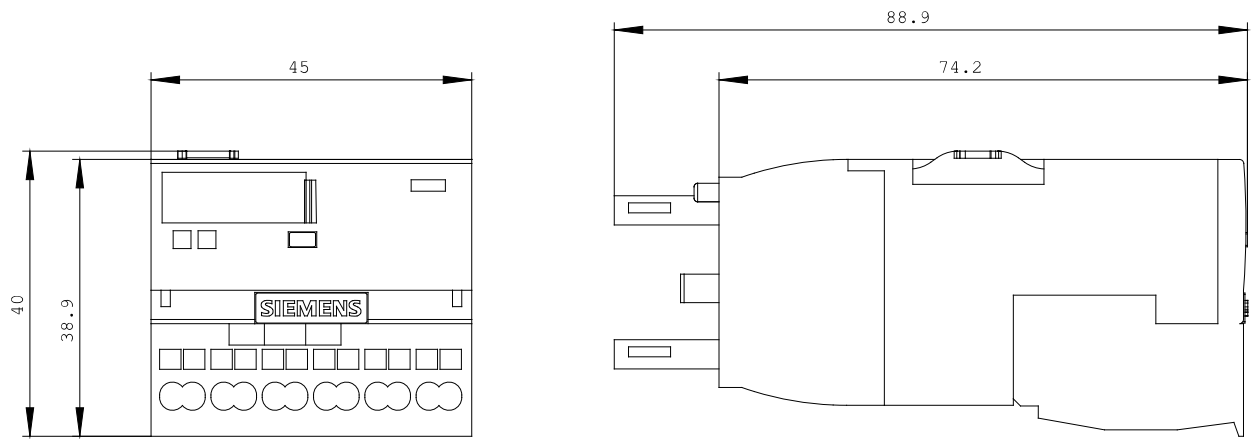
<http://www.siemens.com/cax>

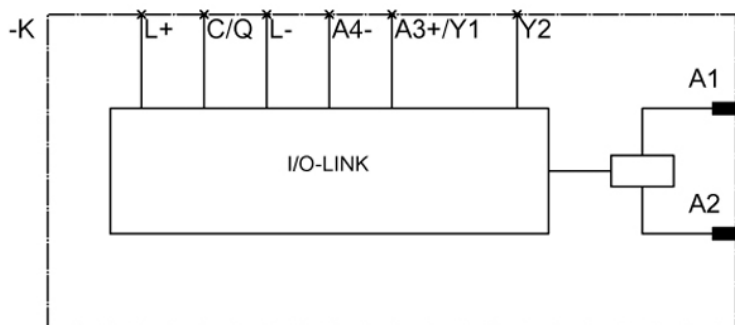
##### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RA2711-2BB00/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RA2711-2BB00](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RA2711-2BB00)





last change:

Aug 4, 2014