

AS-i SlimLine Compact module SC22.5 digital, A/B slave 4 DQ, IP20  
4 x output, 2 A, 24 V DC maximal 4 A for all outputs spring-type  
terminals Overall width 22.5 mm



|                                                              |                                                            |
|--------------------------------------------------------------|------------------------------------------------------------|
| Product designation                                          | Slimline Compact I/O module for use in the control cabinet |
| Design of the product                                        | AS-i SC22.5, 4DQ A/B                                       |
| General technical data                                       |                                                            |
| Protection class IP                                          | IP20                                                       |
| Design of the slave type                                     | A/B slave (Spec. 3.0)                                      |
| AS interface slave profile                                   | S-7.A.7                                                    |
| ID1 code                                                     | 7; Setting cannot be changed                               |
| Operating voltage acc. to AS Interface specification         | 18 ... 31.6 V                                              |
| Product function suitable for AS-i Power24V                  | Yes                                                        |
| Protocol is supported AS-Interface protocol                  | Yes                                                        |
| Consumed current from profile conductors of the AS-Interface |                                                            |
| • at 30 V maximum                                            | 45 mA                                                      |
| • at 24 V with AS-i Power24V maximum                         | 45 mA                                                      |
| Type of address setting of AS-i slaves                       | via front addressing socket                                |
| Display version                                              |                                                            |
| • as status display of the inputs/outputs                    | LED yellow/red                                             |
| • for AS Interface                                           | LED green/red                                              |
| Reference code                                               |                                                            |

|                                                                                                                                                         |                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> <li>• acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750</li> </ul> | K<br>A                                                                                                                                                                                       |
| <b>Shock resistance</b>                                                                                                                                 | 15g / 11 ms (modules) or 10g / 11 ms (modules with device connector)                                                                                                                         |
| <b>Other information</b>                                                                                                                                | An auxiliary external feed (AUX POWER) of between 20 and 30 V DC is necessary for supplying the output circuits. The auxiliary feed must comply with IEC 60990 (PELV), protection class III. |

|                                                |   |
|------------------------------------------------|---|
| <b>Digital Inputs</b>                          |   |
| <b>Number of digital inputs</b>                | 0 |
| <b>Number of digital inputs safety-related</b> | 0 |

|                                                                      |                               |
|----------------------------------------------------------------------|-------------------------------|
| <b>Digital Outputs</b>                                               |                               |
| <b>Number of digital outputs</b>                                     | 4                             |
| <b>Type of switching output</b>                                      | PNP transistor                |
| <b>Product function for power supply Reverse polarity protection</b> | Yes                           |
| <b>Property of the output Short-circuit proof</b>                    | Yes                           |
| <b>Product function</b>                                              | Built-in induction protection |
| <b>Total current of digital outputs per module maximum</b>           | 4 A                           |
| <b>Type of voltage supply at the outputs</b>                         | via AUX POWER                 |
| <b>Ampacity of the semiconductor output at DC-13 at 24 V</b>         | 2 A                           |

|                                |   |
|--------------------------------|---|
| <b>Analog inputs</b>           |   |
| <b>Number of analog inputs</b> | 0 |

|                                 |   |
|---------------------------------|---|
| <b>Analog outputs</b>           |   |
| <b>Number of analog outputs</b> | 0 |

|                                                                                                                |            |
|----------------------------------------------------------------------------------------------------------------|------------|
| <b>Device connector</b>                                                                                        |            |
| <b>Ampacity of the interface to the device connector</b>                                                       |            |
| <ul style="list-style-type: none"> <li>• for AS Interface</li> <li>• for external auxiliary voltage</li> </ul> | 2 A<br>4 A |

|                                           |                            |
|-------------------------------------------|----------------------------|
| <b>Installation/ mounting/ dimensions</b> |                            |
| <b>Mounting type</b>                      | screw and snap-on mounting |
| <b>Height</b>                             | 100 mm                     |
| <b>Width</b>                              | 22.5 mm                    |
| <b>Depth</b>                              | 120 mm                     |

|                                                                                                |                                  |
|------------------------------------------------------------------------------------------------|----------------------------------|
| <b>Ambient conditions</b>                                                                      |                                  |
| <b>Ambient temperature</b>                                                                     |                                  |
| <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> </ul> | -25 ... +70 °C<br>-40 ... +85 °C |

|                               |  |
|-------------------------------|--|
| <b>Connections/ Terminals</b> |  |
|-------------------------------|--|

|                                                                                                 |                                                                      |
|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <b>Type of electrical connection</b>                                                            |                                                                      |
| <ul style="list-style-type: none"> <li>• of the inputs and outputs</li> </ul>                   | Spring-loaded terminals                                              |
| <b>Type of connectable conductor cross-sections</b>                                             |                                                                      |
| <ul style="list-style-type: none"> <li>• solid</li> </ul>                                       | 1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 1.5 mm <sup>2</sup> ) |
| <ul style="list-style-type: none"> <li>• finely stranded with core end processing</li> </ul>    | 1x (0.5 ... 1.0 mm <sup>2</sup> ), 2x (0.5 ... 1.0 mm <sup>2</sup> ) |
| <ul style="list-style-type: none"> <li>• finely stranded without core end processing</li> </ul> | 1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 1.5 mm <sup>2</sup> ) |
| <ul style="list-style-type: none"> <li>• at AWG conductors solid</li> </ul>                     | 1x (20 ... 16), 2x (20 ... 16)                                       |
| <ul style="list-style-type: none"> <li>• at AWG conductors stranded</li> </ul>                  | 1x (20 ... 16), 2x (20 ... 16)                                       |

#### Certificates/ approvals

| General Product Approval                                                          |                                                                                   | EMC                                                                               | Declaration of Conformity                                                         |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |
| CSA                                                                               | UL                                                                                |                                                                                   | RCM                                                                               | EG-Konf.                                                                            |

[Miscellaneous](#)

| Test Certificates                                  | Marine / Shipping                                                                 |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|----------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <a href="#">Type Test Certificates/Test Report</a> |  |  |  |  |  |
|                                                    | ABS                                                                               | LRS                                                                               | PRS                                                                               | RMRS                                                                                | DNVGL.COM/AF                                                                        |

| other                                                                               |                              |                               |
|-------------------------------------------------------------------------------------|------------------------------|-------------------------------|
|  | <a href="#">Confirmation</a> | <a href="#">Miscellaneous</a> |
| ASi                                                                                 |                              |                               |

#### Further information

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

[www.siemens.com/sirius/catalogs](http://www.siemens.com/sirius/catalogs)

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK2100-1CG00-2AA2>

**Cax online generator**

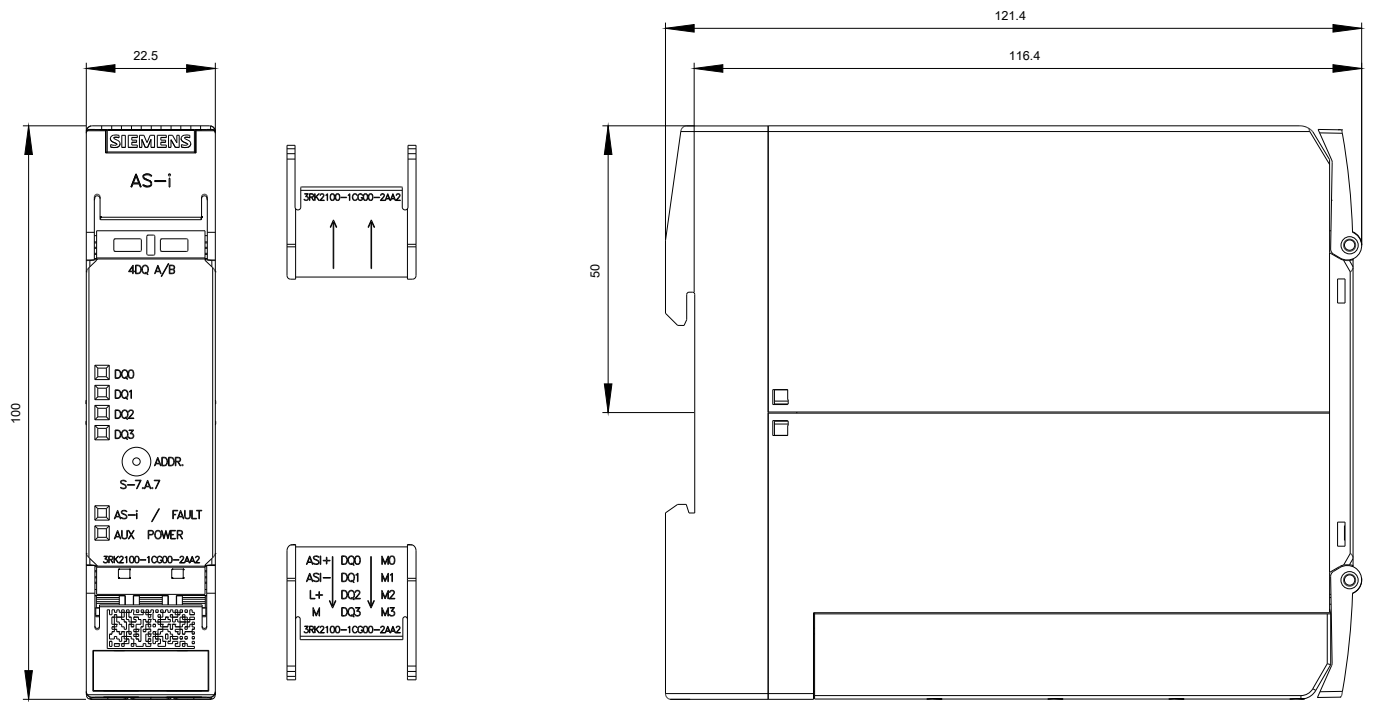
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2100-1CG00-2AA2>

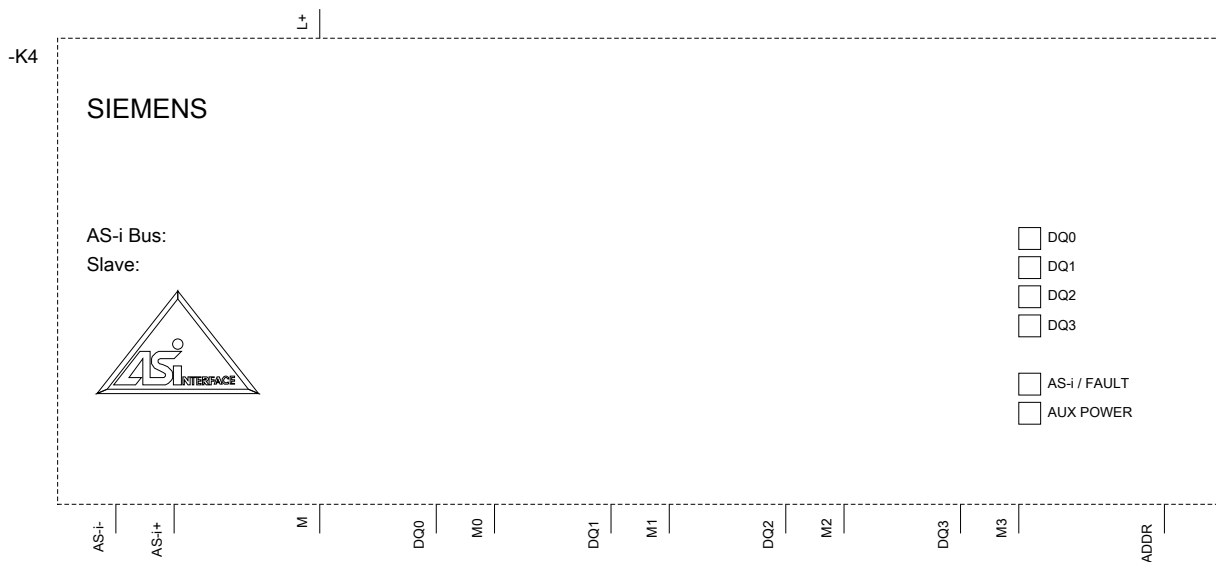
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3RK2100-1CG00-2AA2>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK2100-1CG00-2AA2&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2100-1CG00-2AA2&lang=en)





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