

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 Screw terminals  
 Width 22.5 mm



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

<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 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.

Digital Inputs	
number of digital inputs	0
Number of digital inputs safety-related	0

Digital Outputs	
number of digital outputs	4
type of switching output	PNP transistor
Product function for power supply Reverse polarity protection	Yes
property of the output short-circuit proof	Yes
product function	Built-in induction protection
total current of digital outputs per module maximum	4 A
Type of voltage supply at the outputs	via AUX POWER
Ampacity of the semiconductor output at DC-13 at 24 V	2 A

Analog inputs	
number of analog inputs	0

Analog outputs	
number of analog outputs	0

Device connector	
<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 4 A

Installation/ mounting/ dimensions	
<ul style="list-style-type: none"> <li>• mounting type</li> </ul>	screw and snap-on mounting
height	100 mm
width	22.5 mm
depth	120 mm

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

Connections/ Terminals	
type of electrical connection	

- of the inputs and outputs
- type of connectable conductor cross-sections solid
- Type of connectable conductor cross-sections finely stranded with core end processing
- Type of connectable conductor cross-sections finely stranded without core end processing
- Type of connectable conductor cross-sections at AWG conductors solid
- type of connectable conductor cross-sections at AWG conductors stranded

#### Screw terminals

1x (0.5 ... 2.5 mm<sup>2</sup>), 2x ( 0.5 ... 1.5 mm<sup>2</sup>)

1x (0.25 ... 2.5 mm<sup>2</sup>), 2x (0.25 ... 1.0 mm<sup>2</sup>)

Not permitted

1x (20 ... 14), 2x (18 ... 16)

Not permitted

### Certificates/ approvals

#### General Product Approval



[Miscellaneous](#)

#### Test Certificates

#### Marine / Shipping

[Type Test Certificates/Test Report](#)



#### other

[Confirmation](#)

[Miscellaneous](#)



ASi

### Further information

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

<https://www.siemens.com/ic10>

#### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK2100-1CE00-2AA2>

#### Cax online generator

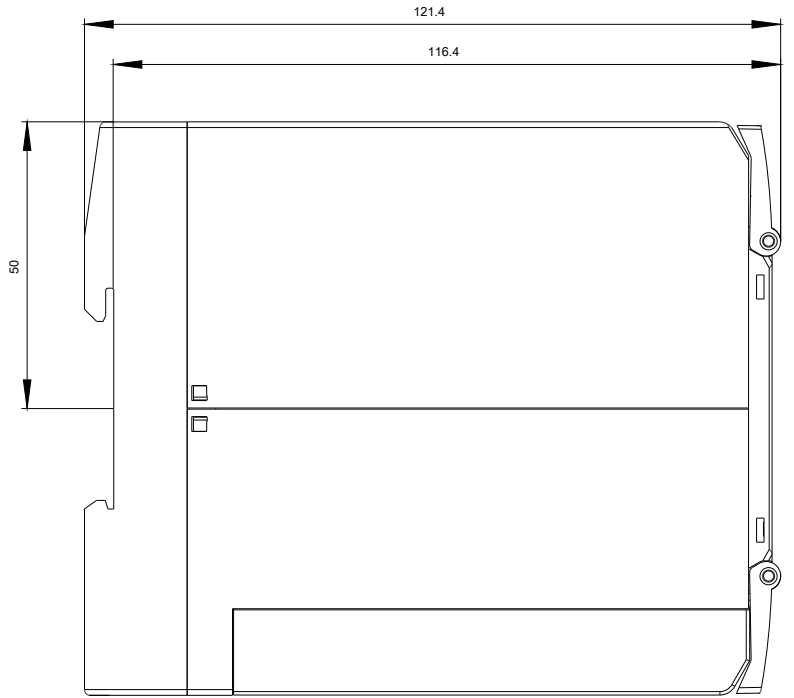
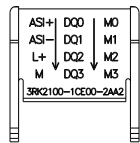
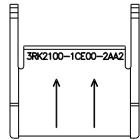
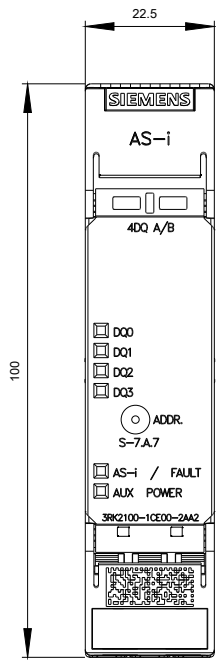
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2100-1CE00-2AA2>

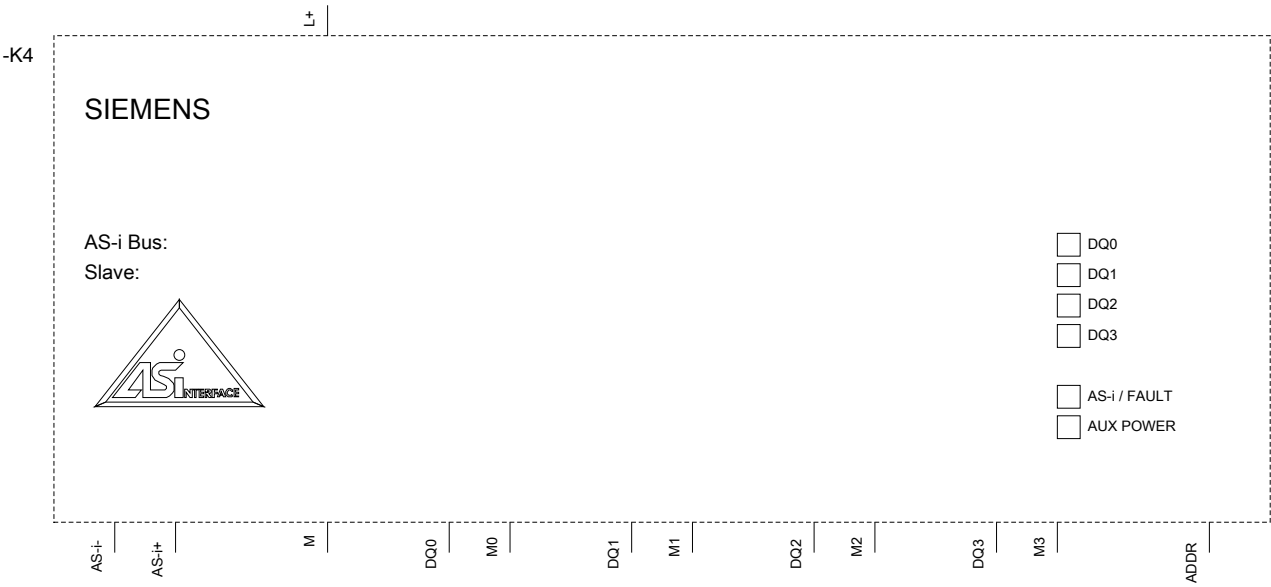
#### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RK2100-1CE00-2AA2>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK2100-1CE00-2AA2&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2100-1CE00-2AA2&lang=en)





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