

AS-i SlimLine Compact module SC22.5 digital, A/B slave 4 DI, IP20 4 x inputs for 3-wire sensor Sensor supply can be switched over 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, 4DI A/B, 3-wire
<b>General technical data</b>	
<b>protection class IP</b>	IP20
<b>Design of the slave type</b>	A/B slave
<b>AS interface slave profile</b>	S-0.A.0
<b>ID1 code</b>	7; Factory setting, changeable
<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	270 mA
• at 24 V with AS-i Power24V maximum	270 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	Yellow LED
• 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

<b>number of digital inputs</b>	4
<b>Number of digital inputs safety-related</b>	0
<b>Type of input characteristic</b>	PNP Type 2
<b>type of connection</b>	2- and 3-wire technology

### Sensor supply

<b>Type of voltage supply for power supply</b>	AS-Interface / U_AUX switchable
<b>Ampacity of the sensor supply for all inputs at ambient temperature 40 °C</b>	500 mA
<ul style="list-style-type: none"> <li>• Note</li> </ul>	200 mA with supply via AS interface / 500 mA with supply via Uaux
<b>Property of the sensor supply Short-circuit and overload resistant</b>	Yes
<b>Voltage drop at the sensor supply</b>	
<ul style="list-style-type: none"> <li>• from AS interface</li> <li>• from external auxiliary voltage</li> </ul>	8.5 V 1 V

### Digital Outputs

<b>number of digital outputs</b>	0
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### Analog inputs

<b>number of analog inputs</b>	0
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### Analog outputs

<b>number of analog outputs</b>	0
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### 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>• <b>mounting type</b></li> </ul>	screw and snap-on mounting
<b>height</b>	100 mm
<b>width</b>	22.5 mm
<b>depth</b>	120 mm

### Ambient conditions

- ambient temperature during operation
- ambient temperature during storage

-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](#)



ABS



LRS



PRS



RMRS



DNVGL.COM/AF

### other

[Confirmation](#)

[Miscellaneous](#)



ASi

## Further information

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

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

**Industry Mall (Online ordering system)**

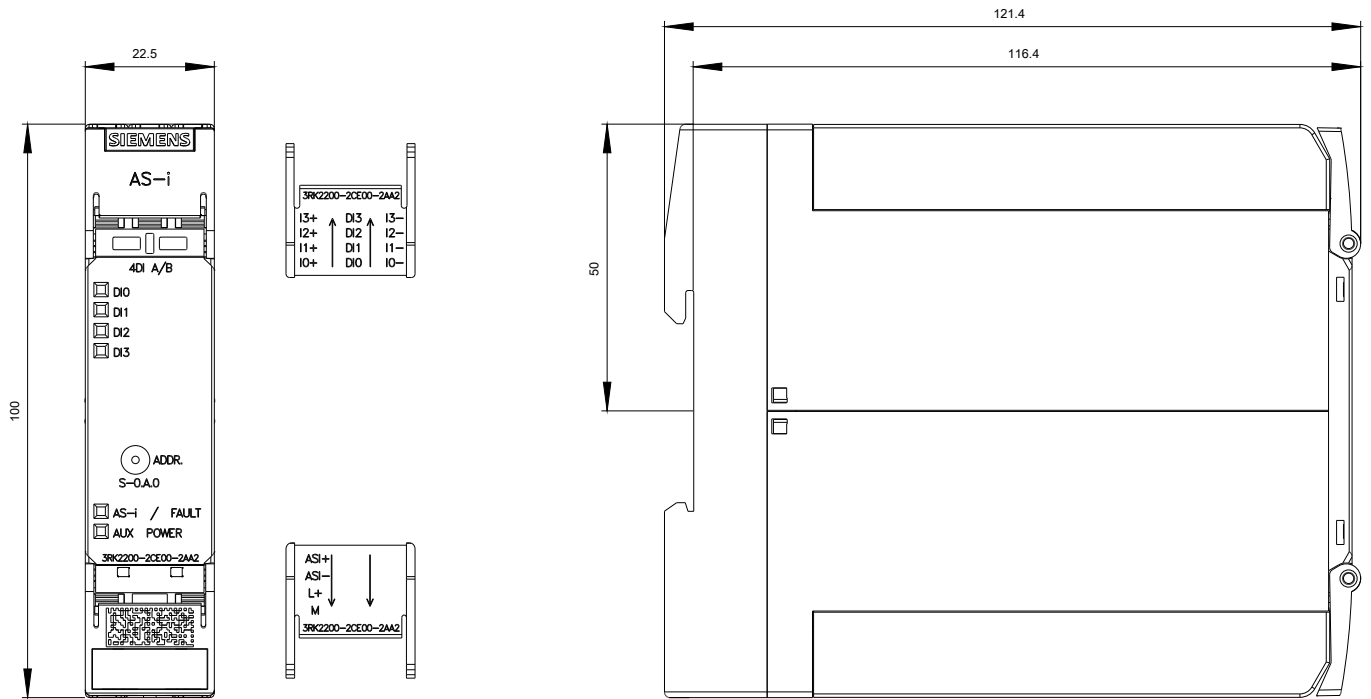
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK2200-2CE00-2AA2>

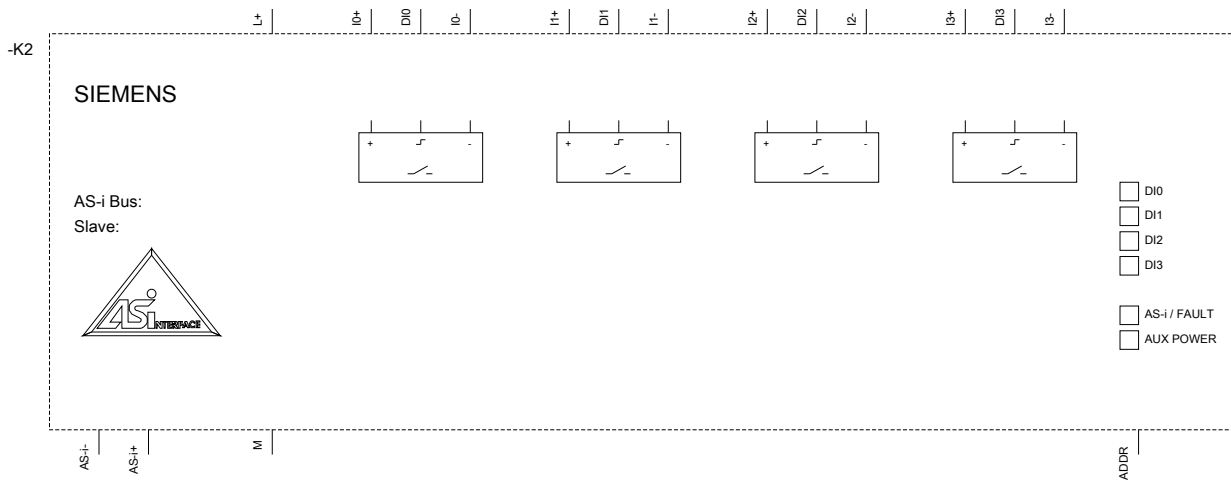
**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2200-2CE00-2AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK2200-2CE00-2AA2>





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