

AS-i SlimLine Compact module SC22.5 digital, A/B slave 4 DI/4 DQ, IP20 4 x inputs for 3-wire sensor Sensor supply can be switched over 4 x output, 2 A, 24 V DC maximal 4 A for all outputs spring-type terminals Overall 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/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	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	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

<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>	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

### 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> </ul>	2 A

- for external auxiliary voltage

4 A

#### Installation/ mounting/ dimensions

• <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

#### Ambient conditions

• ambient temperature during operation	-25 ... +70 °C
• ambient temperature during storage	-40 ... +85 °C

#### Connections/ Terminals

<b>type of electrical connection</b>	Spring-loaded terminals
• of the inputs and outputs	
• type of connectable conductor cross-sections solid	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 1.5 mm <sup>2</sup> )
• Type of connectable conductor cross-sections finely stranded with core end processing	1x (0,25 ... 1,0 mm <sup>2</sup> ), 2x (0,25 ... 1,0 mm <sup>2</sup> )
• Type of connectable conductor cross-sections finely stranded without core end processing	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 1.5 mm <sup>2</sup> )
• Type of connectable conductor cross-sections at AWG conductors solid	1x (20 ... 16), 2x (20 ... 16)
• type of connectable conductor cross-sections at AWG conductors stranded	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

[Type Test Certificates/Test Report](#)



ABS



LRS



PRS



RMRS



DNVGL.COM/AF

other



ASi

[Confirmation](#)

[Miscellaneous](#)

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=3RK2400-2CG00-2AA2>

**Cax online generator**

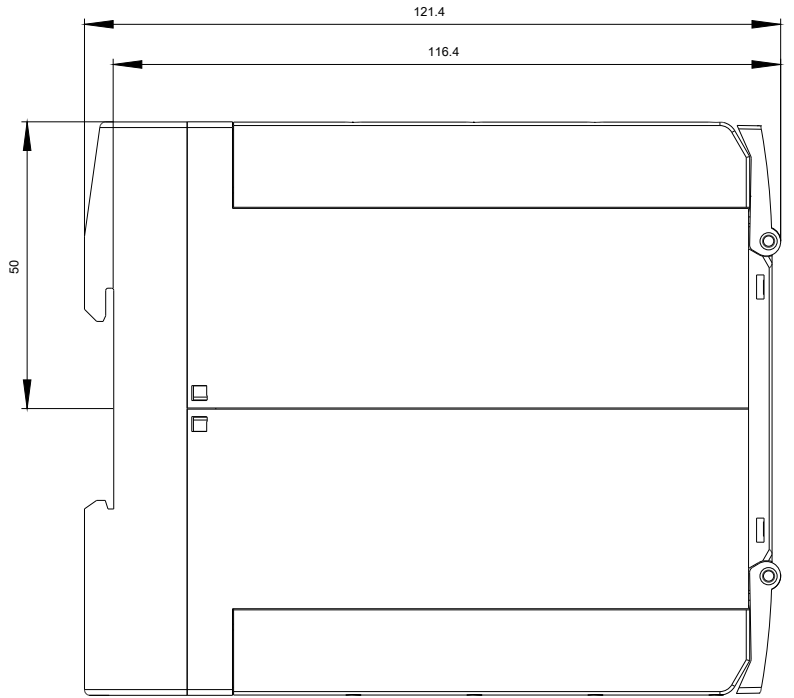
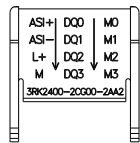
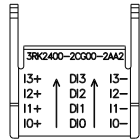
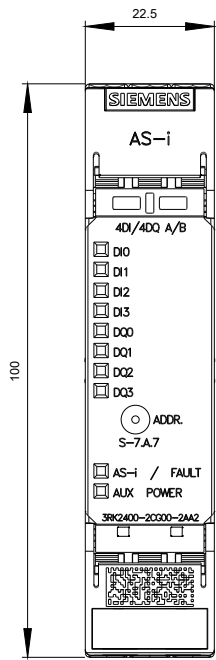
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2400-2CG00-2AA2>

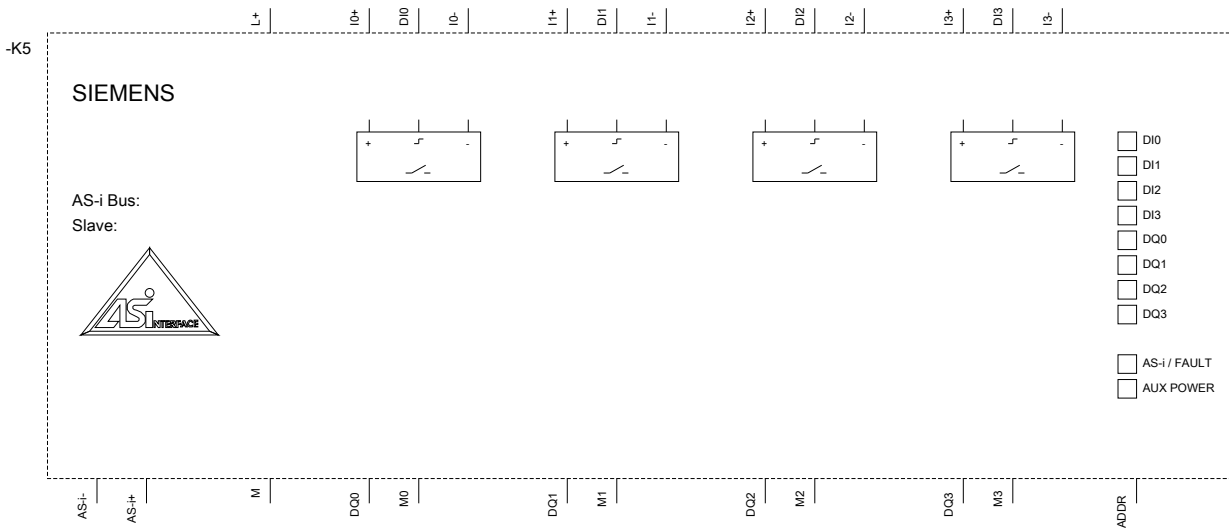
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3RK2400-2CG00-2AA2>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK2400-2CG00-2AA2&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2400-2CG00-2AA2&lang=en)





last modified:

09/24/2020