



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

<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>product type designation</b>	3RK2
<b>design of the device type</b>	A/B slave (Spec. 3.0)
<b>AS-Interface device profile</b>	S-7.A.7
<b>ID1 code</b>	7; Setting cannot be changed
<b>operating voltage according to AS-Interface specification</b>	18 ... 31.6 V
<b>product function suitable for AS-i Power24V</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 the AS-i devices</b>	via front addressing socket
<b>Substance Prohibitance (day/month/year)</b>	05/01/2012
<b>SVHC substance name</b>	Lead CAS-No. 7439-92-1 Lead monoxide (lead oxide) CAS-No. 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5 Melamine CAS-No. 108-78-1 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol CAS-No. 119-47-1 Diboron trioxide CAS-No. 1303-86-2
<b>Net Weight</b>	0.162 kg
<b>reference code</b>	
• according to EN 61346-2	K
• according to DIN 40719 extended according to IEC 204-2 according to IEC 750	A
<b>shock resistance</b>	15 g / 11 ms (modules) or 10 g / 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

ampacity of the semiconductor output at DC-13 at 24 V	2 A
<b>Analog inputs</b>	
number of analog inputs	0
<b>Analog outputs</b>	
number of analog outputs	0
<b>Device connector</b>	
ampacity of the interface to the device connector	
• for AS-Interface	2 A
• for external auxiliary voltage	4 A
<b>Installation/ mounting/ dimensions</b>	
fastening method	screw and snap-on mounting
height	100 mm
width	22.5 mm
depth	120 mm
<b>Ambient conditions</b>	
ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +85 °C
<b>Connections/ Terminals</b>	
type of electrical connection of the inputs and outputs	spring-loaded terminal (push-in)
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> )
• finely stranded with core end processing	1x (0,25 ... 1,0 mm <sup>2</sup> ), 2x (0,25 ... 1,0 mm <sup>2</sup> )
• finely stranded without core end processing	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 1.5 mm <sup>2</sup> )
• for AWG cables solid	1x (20 ... 16), 2x (20 ... 16)
• for AWG cables stranded	1x (20 ... 16), 2x (20 ... 16)

<b>Approvals Certificates</b>	
Environment	General Product Approval
	EMV

[Environmental Con-  
firmations](#)



Test Certificates	Maritime application	other
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[Type Test Certificates/Test Report](#)



[Miscellaneous](#)

[Confirmation](#)

other	Industrial Communication
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**Further information**

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3RK2100-1CG00-2AA2>

Cax online generator

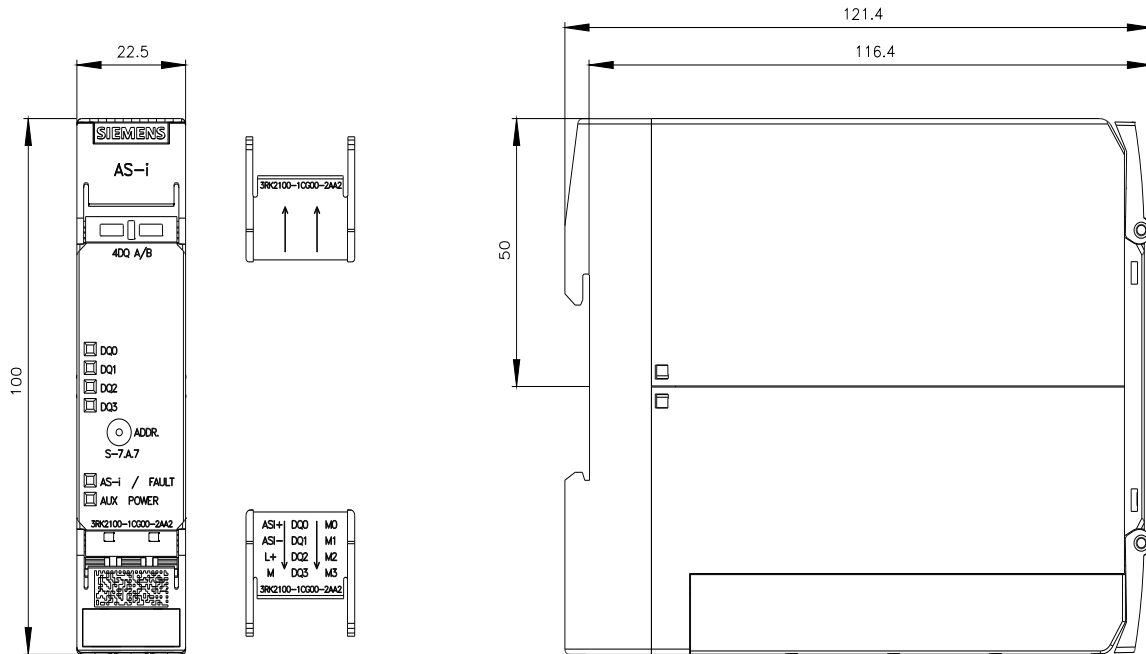
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2100-1CG00-2AA2>

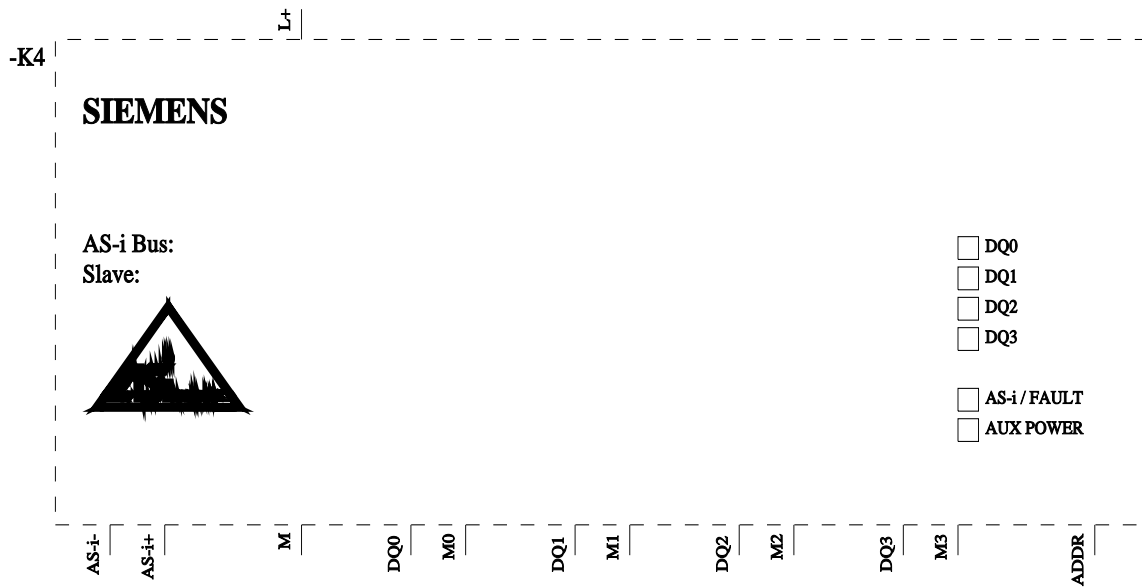
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<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, ...)

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





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