



AS-i SlimLine Compact module SC22.5 digital, A/B slave 4 DI/2 RQ, IP20 4 x inputs for 3-wire sensor Sensor supply can be switched over 2 x outlet relay 1 A DC 24 V 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/2RQ A/B
<b>product type designation</b>	3RK2
<b>design of the device type</b>	A/B slave
<b>AS-Interface device profile</b>	S-7.A.0
<b>ID1 code</b>	7; Factory setting, changeable
<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	270 mA
• at 24 V with AS-i Power24V maximum	270 mA
<b>type of address setting of the AS-i devices</b>	via front addressing socket
<b>Substance Prohibition (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 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>	0.23 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>	Sensor supply via Uaux: Auxiliary feed 20 to 30 V DC required to supply the sensor. Sensor supply via AS-i: No additional power required.
<b>Digital Inputs</b>	
<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 technology</b>	2- and 3-wire technology
<b>Sensor supply</b>	
<b>type of voltage supply for sensor supply</b>	AS-Interface / U_AUX switchable
<b>capacity of the sensor supply for all inputs at ambient temperature 40 °C</b>	500 mA
• note	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>	
• from AS-interface	8.5 V
• from external auxiliary voltage	1 V

Digital Outputs	
number of digital outputs	2
type of switching output	Relays, CO contacts
property of the output short-circuit proof	No
ampacity of the output relay at AC-15 at 230 V at 50/60 Hz	3 A
ampacity of the output relay at DC-13	
• at 24 V	1 A
• at 110 V	0.2 A
• at 230 V	0.1 A

Analog inputs	
number of analog inputs	0

Analog outputs	
number of analog outputs	0

Device connector	
ampacity of the interface to the device connector	
• for AS-Interface	2 A
• for external auxiliary voltage	4 A

Installation/ mounting/ dimensions	
fastening method	screw and snap-on mounting
height	100 mm
width	22.5 mm
depth	120 mm

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

Connections/ Terminals	
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)

Approvals Certificates	
Environment	General Product Approval

[Environmental Con-  
firmations](#)



EMV	Test Certificates	Maritime application
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[Miscellaneous](#)

[Type Test Certificates/Test Report](#)



Maritime application	other	Industrial Communication
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[Miscellaneous](#)

[Confirmation](#)



Further information
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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=3RK2402-2MG00-2AA2>

Cax online generator

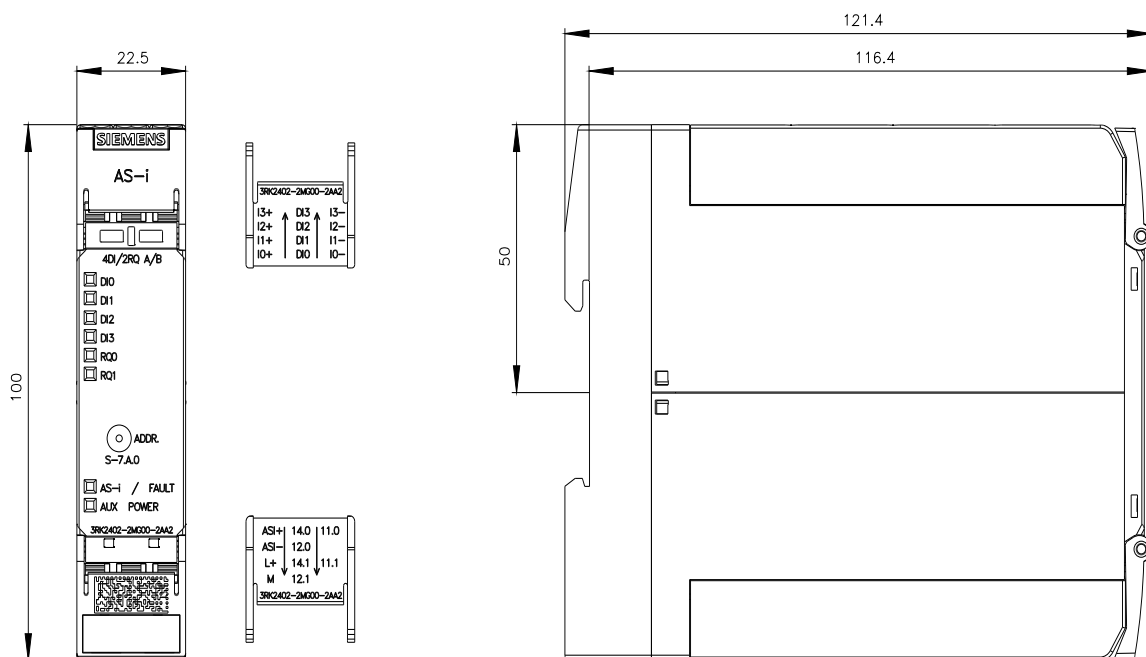
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2402-2MG00-2AA2>

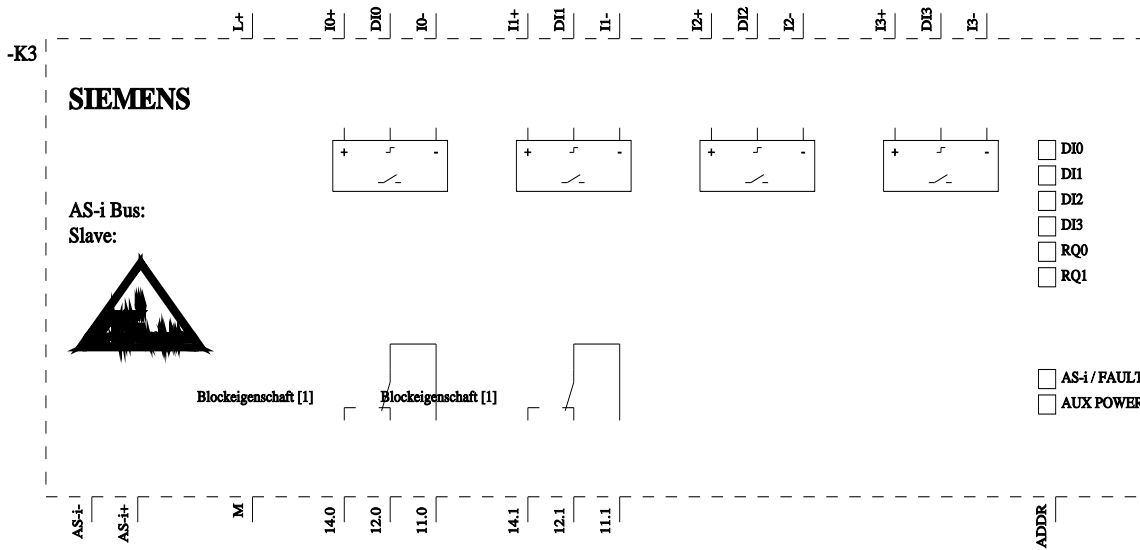
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RK2402-2MG00-2AA2>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK2402-2MG00-2AA2&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2402-2MG00-2AA2&lang=en)





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