



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

product designation	Slimline Compact I/O module for use in the control cabinet
design of the product	AS-i SC22.5, 4DI/2RQ A/B
General technical data	
protection class IP	IP20
design of the slave type	A/B slave
AS-Interface slave profile	S-7.A.0
ID1 code	7; Factory setting, changeable
operating voltage according to AS-Interface specification	18 ... 31.6 V
product function suitable for AS-i Power24V	Yes
protocol is supported AS-Interface protocol	Yes
consumed current from profile conductors of the AS-Interface	
• at 30 V maximum	270 mA
• at 24 V with AS-i Power24V maximum	270 mA
type of address setting of AS-i slaves	via front addressing socket
display version	
• as status display of the inputs/outputs	Yellow LED
• for AS-Interface	LED green/red
reference code	
• according to EN 61346-2	K
• according to DIN 40719 extended according to IEC 204-2 according to IEC 750	A
shock resistance	15g / 11 ms (modules) or 10g / 11 ms (modules with device connector)
other information	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.
Digital Inputs	
number of digital inputs	4
number of digital inputs safety-related	0
type of input characteristic	PNP Type 2
type of connection technology	2- and 3-wire technology
Sensor supply	
type of voltage supply for power supply	AS-Interface / U_AUX switchable
ampacity of the sensor supply for all inputs at ambient temperature 40 °C	500 mA
• note	200 mA with supply via AS interface / 500 mA with supply via Uaux
property of the sensor supply short-circuit and overload resistant	Yes
voltage drop at the sensor supply	
• 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
thermal current	5 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 terminals
type of connectable conductor cross-sections	
• solid	1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 1.5 mm ²)
• finely stranded with core end processing	1x (0,25 ... 1,0 mm ²), 2x (0,25 ... 1,0 mm ²)
• finely stranded without core end processing	1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 1.5 mm ²)
• at AWG cables solid	1x (20 ... 16), 2x (20 ... 16)
• at AWG cables stranded	1x (20 ... 16), 2x (20 ... 16)
Certificates/ approvals	
General Product Approval	
EMC	



[Confirmation](#)



Declaration of Conformity	Test Certificates	Marine / Shipping			
 EG-Konf.	Type Test Certificates/Test Report	 ABS	 LRS	 PRS	 RMRS
Marine / Shipping	other				



[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=3RK2402-2MG00-2AA2>

Cax online generator

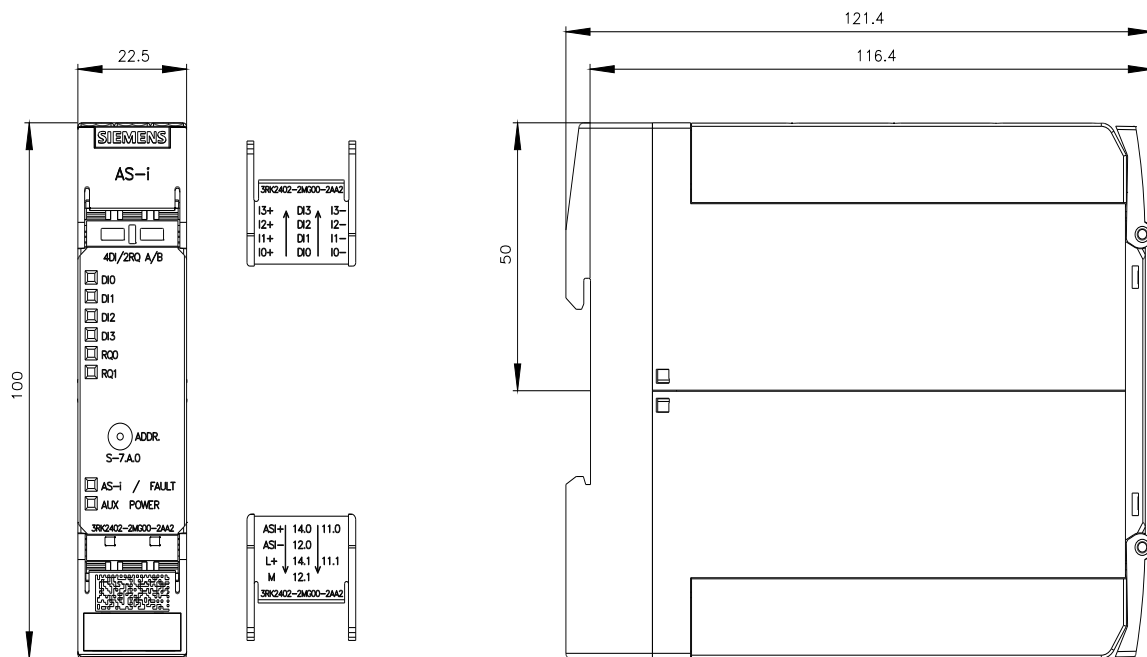
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2402-2MG00-2AA2>

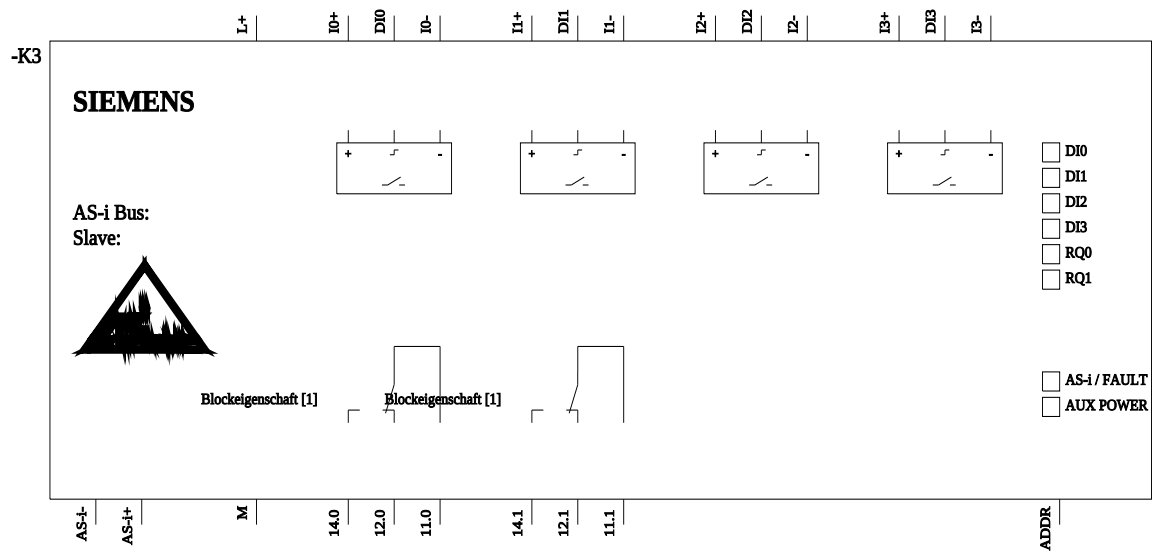
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<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, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2402-2MG00-2AA2&lang=en





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