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Data sheet 3RK2402-2CG00-2AA2

AS-i SlimLine Compact module SC22.5 digital, A/B slave 4 DI/4 RQ, IP20 4 x inputs for 3-wire sensor Sensor supply can be switched over 4 x output relay 1 A 24 V DC 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/4RQ A/B
General technical data	
protection class IP	IP20
design of the slave type	A/B slave (Spec. 3.0)
AS-Interface slave profile	S-7.A.7
ID1 code	7; Setting cannot be changed
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	300 mA
● at 24 V with AS-i Power24V maximum	300 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	4

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type of switching output	Relays, NO 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 mm²), 2x (0.5 ... 1.5 mm²)
● finely stranded with core end processing	1x (0,25 ... 1,0 mm²), 2x (0,25 ... 1,0 mm²)
● finely stranded without core end processing	1x (0.5 ... 1.5 mm²), 2x (0.5 ... 1.5 mm²)
● for AWG cables solid	1x (20 ... 16), 2x (20 ... 16)
● for AWG cables stranded	1x (20 ... 16), 2x (20 ... 16)

Certificates/ approvals

General Product Approval				EMC	Declaration of Conformity
CCC	Confirmation	UL	EAC	RCM	UKCA

Declaration of Conformity	Test Certificates		Marine / Shipping		
EG-Konf.	Type Test Certificates/Test Report	Miscellaneous	ABS	DNV	LRS

Marine / Shipping			other	
PRS	DNV·GL	ASi	Confirmation	Miscellaneous

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).

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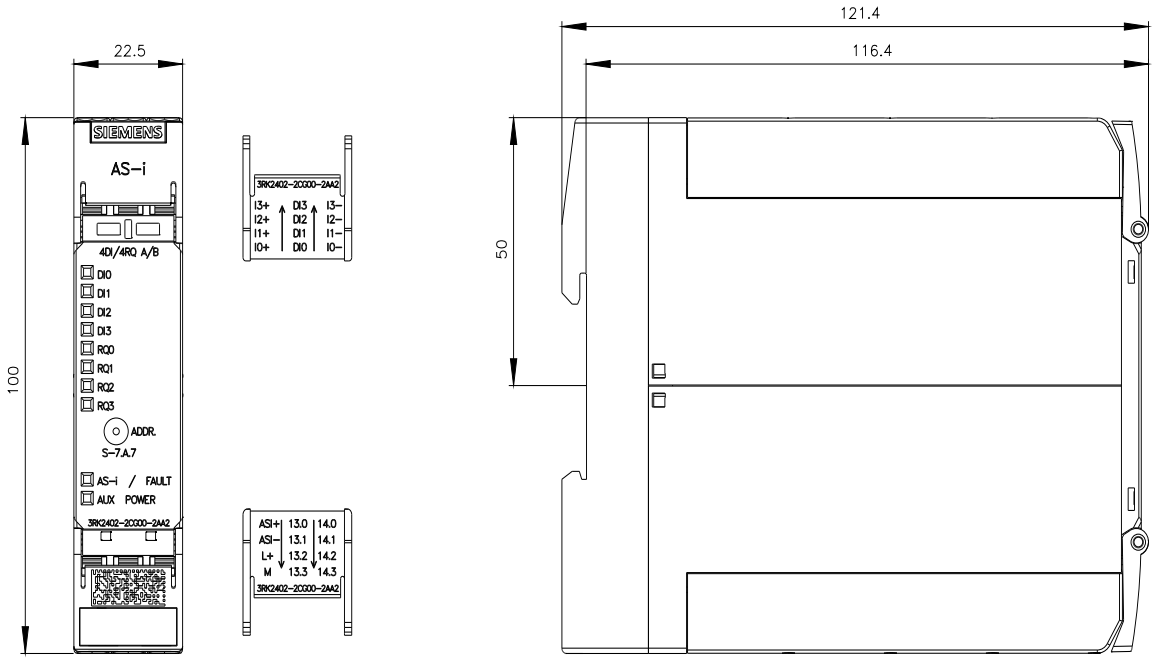
Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/ic10
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK2402-2CG00-2AA2
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2402-2CG00-2AA2
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK2402-2CG00-2AA2
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2402-2CG00-2AA2&lang=en



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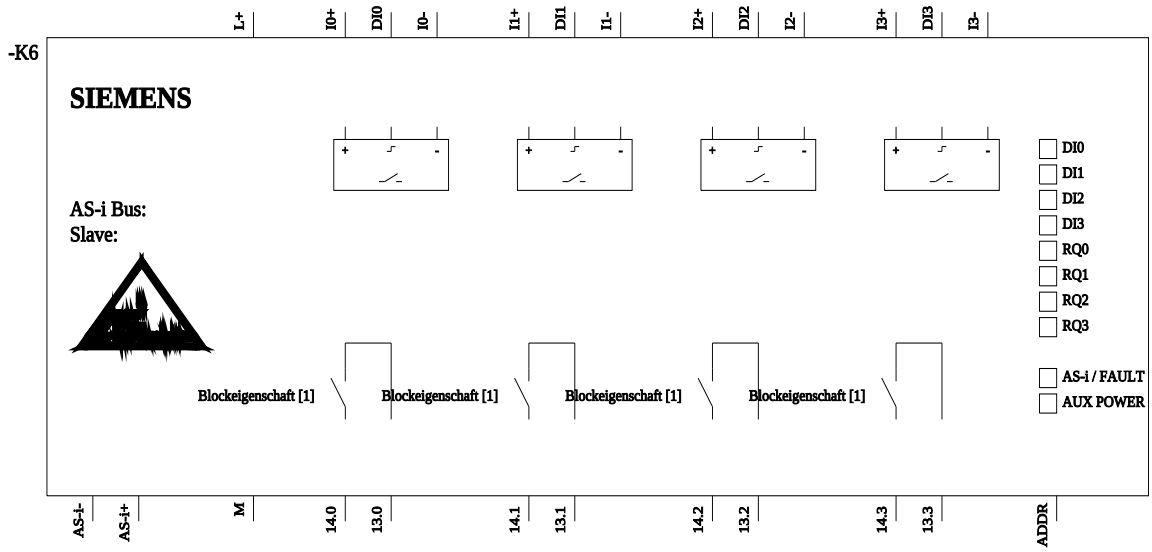

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