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Data sheet 3RK1207-3CG00-2AA2



AS-i SlimLine Compact module SC22.5, IP20, analog, 4AI-RTD spring-type terminals 4 x analog input Thermal resistance/resistor 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, 4AI voltage/current
product type designation	3RK1
design of the device type	standard slave
AS-Interface device profile	S-7.3.E
ID1 code	F; Factory setting, changeable
operating voltage according to AS-Interface specification	18 ... 31.6 V
product function suitable for AS-i Power24V	Yes
consumed current from profile conductors of the AS-Interface	
● at 30 V maximum	100 mA
● at 24 V with AS-i Power24V maximum	100 mA
type of address setting of the AS-i devices	via front addressing socket
Substance Prohibitance (day/month/year)	05/01/2012
SVHC substance name	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
Net Weight	0.194 kg
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	15 g / 11 ms (modules) or 10 g / 11 ms (modules with device connector)
other information	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	
number of digital inputs	0
number of digital inputs safety-related	0
Sensor supply	
type of voltage supply for sensor supply	using AS-Interface
Digital Outputs	
number of digital outputs	0
Analog inputs	
number of analog inputs	4
signal range at the analog input	Pt 100 standard and climate range / Ni 100 / resistance measurement 0 ... 600 Ohm
design of the sensor at the analog input is supported	Yes

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resistor temperature sensor	
product function input variable parameterizable	Yes
A/D resolution for analog inputs/outputs	16 bit
product function smoothing parameterizable	Yes
set values of the interference frequency for interference voltage suppression	50 / 60 Hz
Analog outputs	
number of analog outputs	0
Errors/ accuracies	
relative symmetrical operational limit relating to input range/output range	1 %; full sclae
relative symmetrical basic error limit relating to input range/output range at 25 °C	0.7 %
symmetrical temperature error per K relating to input range/output range	0.01 %/K
relative symmetrical linearity error relating to input range/output range	0.05 %
relative symmetrical repeat accuracy relating to input range/output range in settled state 25 °C	0.1 %
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 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)

Approvals Certificates

Environment	General Product Approval				EMV
Environmental Confirmations	cULus	EAC	CE EG-Konf.	UKCA	RCM

Test Certificates	Maritime application			other	
Type Test Certificates/Test Report	ABS	DNV	Lloyd's Register LRS	Confirmation	产品合格 QC PASS

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

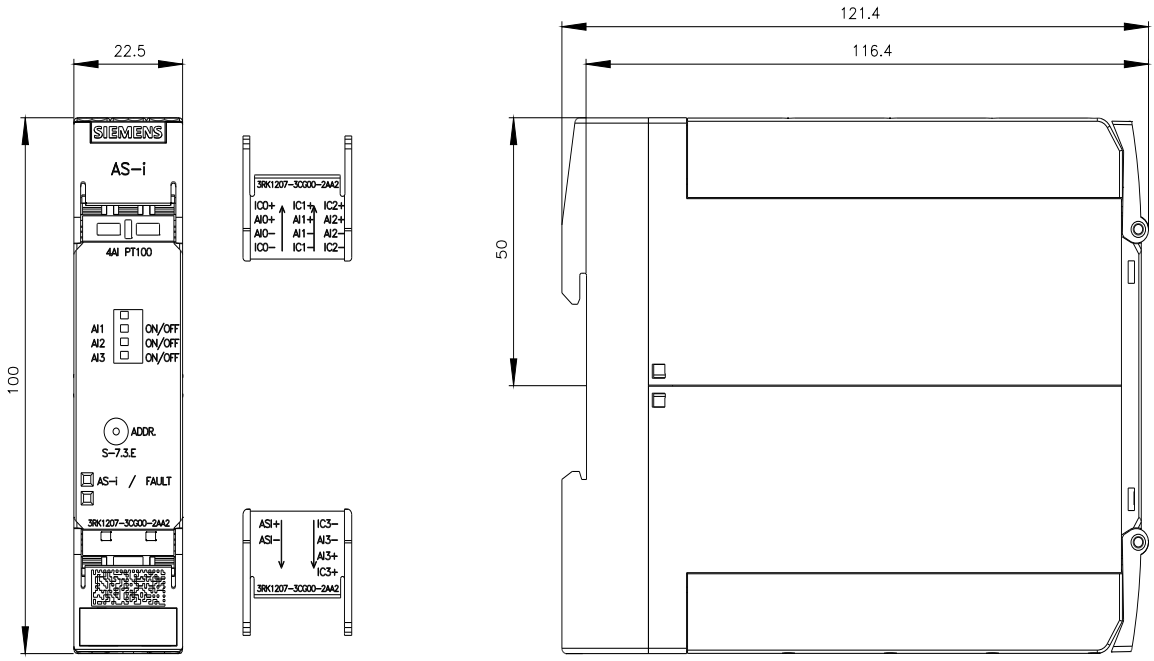
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/ic10

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1207-3CG00-2AA2

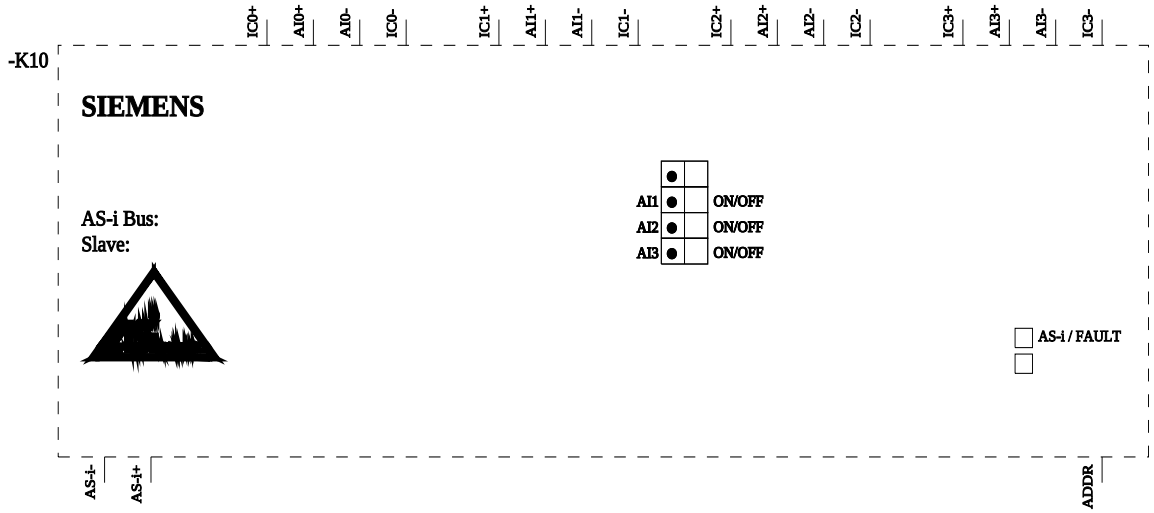
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1207-3CG00-2AA2

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK1207-3CG00-2AA2

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1207-3CG00-2AA2&lang=en



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