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Data sheet 3RK1207-0CE00-2AA2

AS-i SlimLine Compact module SC22.5, IP20, analog, 4AI-C/V Screw terminals 4 x analog input Inputs switchable C/V 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 PT100

General technical data	
Protection class IP	IP20
Design of the slave type	standard slave
AS interface slave profile	S-7.3.E
ID1 code	F; Factory setting, changeable
Operating voltage acc. 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	200 mA
• at 24 V with AS-i Power24V maximum	250 mA
Type of address setting of AS-i slaves	via front addressing socket
Display version	
• for AS Interface	LED green/red
Reference code	
• acc. to DIN EN 61346-2	K

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• acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	A
Shock resistance	15g / 11 ms (modules) or 10g / 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
Type of connection	2- and 4-wire technology
Sensor supply	
Type of voltage supply for power supply	AS interface, alternatively U_AUX
Ampacity of the sensor supply for all inputs at ambient temperature 40 °C	500 mA
• Note	46 mA with supply via AS interface / 500 mA with supply via Uaux
Property of the sensor supply Short-circuit and overload resistant	Yes
Digital Outputs	
Number of digital outputs	0
Analog inputs	
Number of analog inputs	4
Signal range at the analog input	4 ... 20 mA; +/- 20 mA; 1 ... 5 V; +/- 10 V
Consumed current from external auxiliary voltage maximum	500 mA
Design of the sensor at the analog input is supported Resistor temperature sensor	No
Product function input variable parameterizable	Yes
A/D resolution for analog inputs/outputs	16 bit
Product function smoothing parameterizable	Yes
Setting values of the interference frequency for interference voltage suppression	50 / 60 Hz
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	
Mounting type	screw and snap-on mounting
Height	100 mm

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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	Screw terminals
Type of connectable conductor cross-sections	
• solid	1x (0.5 ... 2.5 mm²), 2x (1.0 ... 1.5 mm²)
• finely stranded with core end processing	1x (0.5 ... 2.5 mm²), 2x (0.5 ... 1 mm²)
• finely stranded without core end processing	Not permitted
• at AWG conductors solid	1x (20 ... 14), 2x (18 ... 16)
• at AWG conductors stranded	Not permitted

Certificates/ approvals

General Product Approval			EMC	Declaration of Conformity	
CSA	UL		RCM	EG-Konf.	Miscellaneous

Test Certificates	Marine / Shipping				
Type Test Certificates/Test Report	ABS	LRS	PRS	RINA	RMRS

Marine / Shipping	other	
	ASi	Confirmation

Further information

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

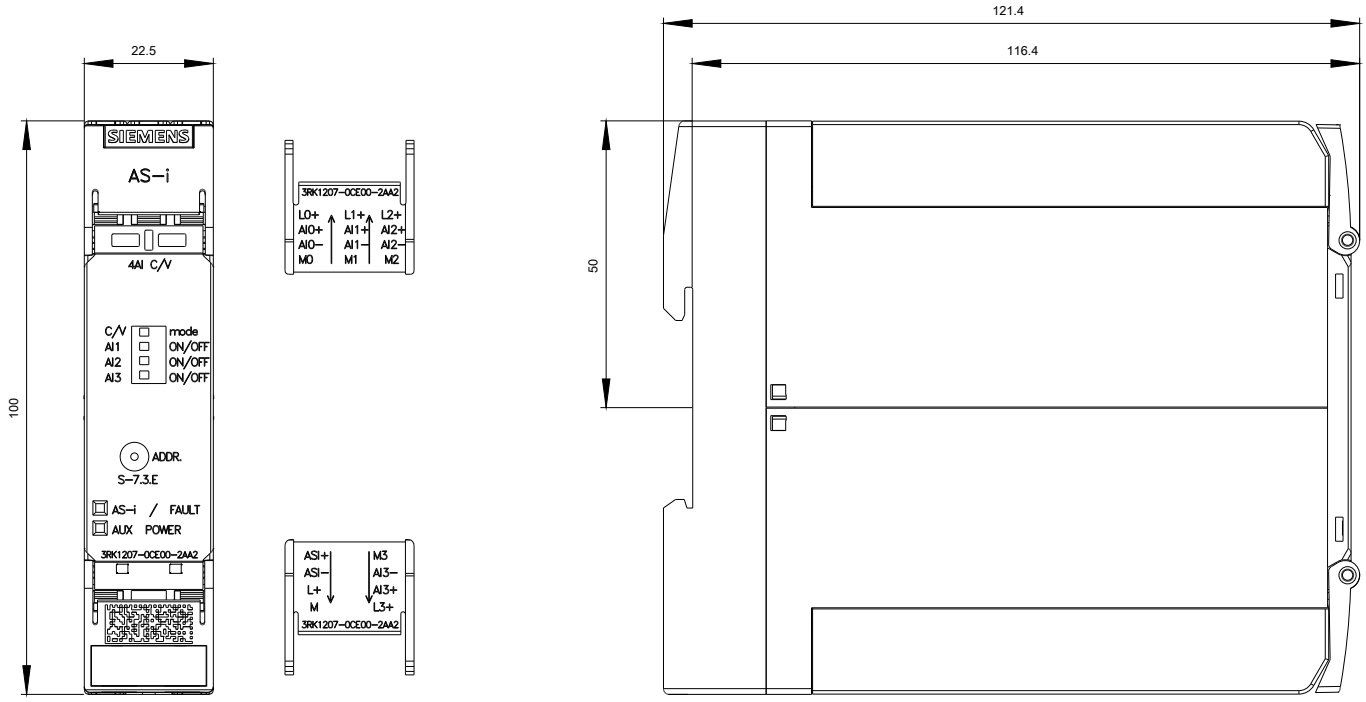
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1207-0CE00-2AA2

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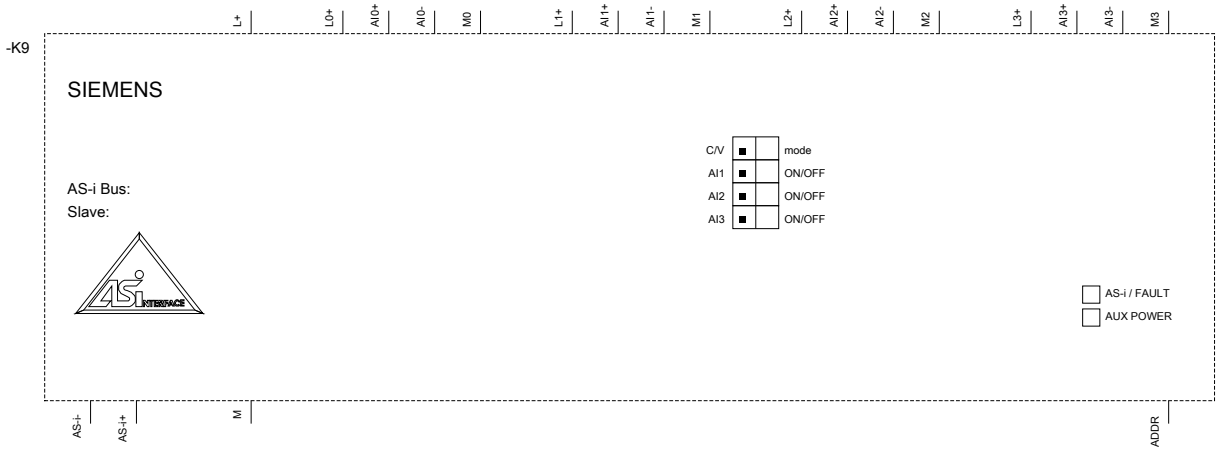
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1207-0CE00-2AA2

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK1207-0CE00-2AA2

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1207-0CE00-2AA2&lang=en



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