

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
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	100 mA
• at 24 V with AS-i Power24V maximum	100 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

• 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
Sensor supply	
Type of voltage supply for power 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 Resistor temperature sensor	Yes
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 • for external auxiliary voltage	2 A 4 A
Installation/ mounting/ dimensions	
Mounting type	screw and snap-on mounting
Height	100 mm
Width	22.5 mm
Depth	120 mm
Ambient conditions	
Ambient temperature • during operation • during storage	-25 ... +70 °C -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 (0.5 ... 1.0 mm ²), 2x (0.5 ... 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 conductors solid	1x (20 ... 16), 2x (20 ... 16)
at AWG conductors stranded	1x (20 ... 16), 2x (20 ... 16)

Certificates/ approvals

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

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

Marine / Shipping	other				
			Confirmation		
	DNV GL	ASi			

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

www.siemens.com/sirius/catalogs

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1207-3CG00-2AA2>

Cax online generator

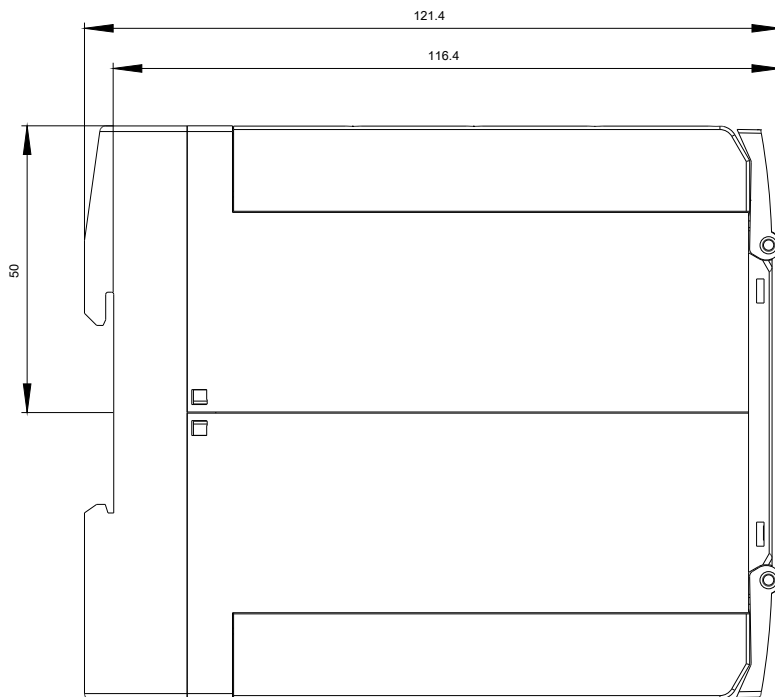
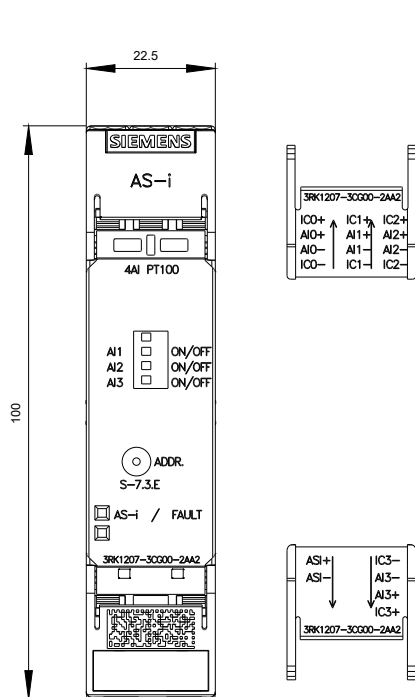
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1207-3CG00-2AA2>

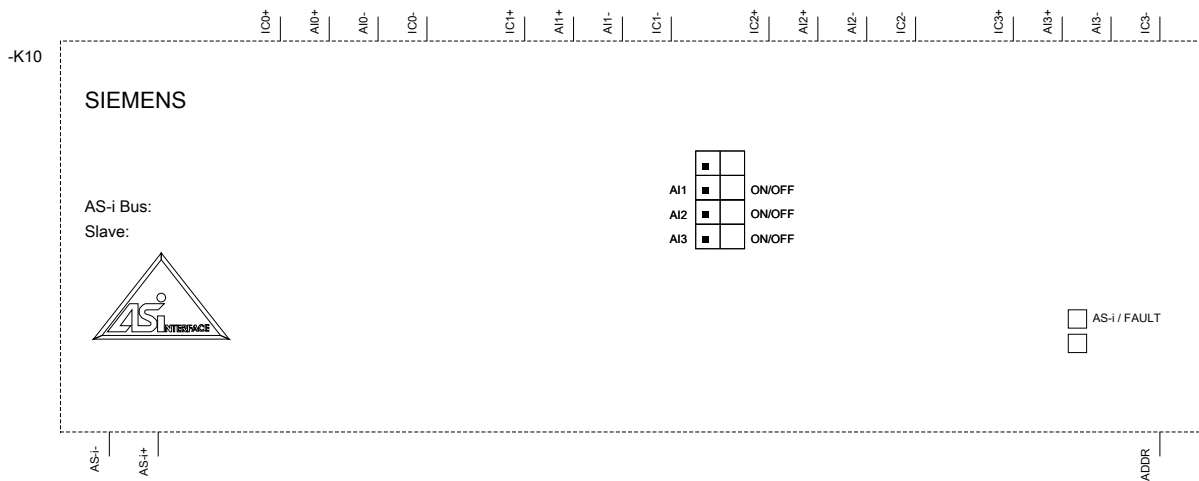
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<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, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1207-3CG00-2AA2&lang=en





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