

AS-i SlimLine Compact module SC22.5, IP20, analog, 4AI-C/V
spring-type 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

• 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
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
Width	22.5 mm

Depth	120 mm
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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 / Ship- ping	other
 DNVGL.COM/AF	 ASi

[Confirmation](#)

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=3RK1207-0CG00-2AA2>

Cax online generator

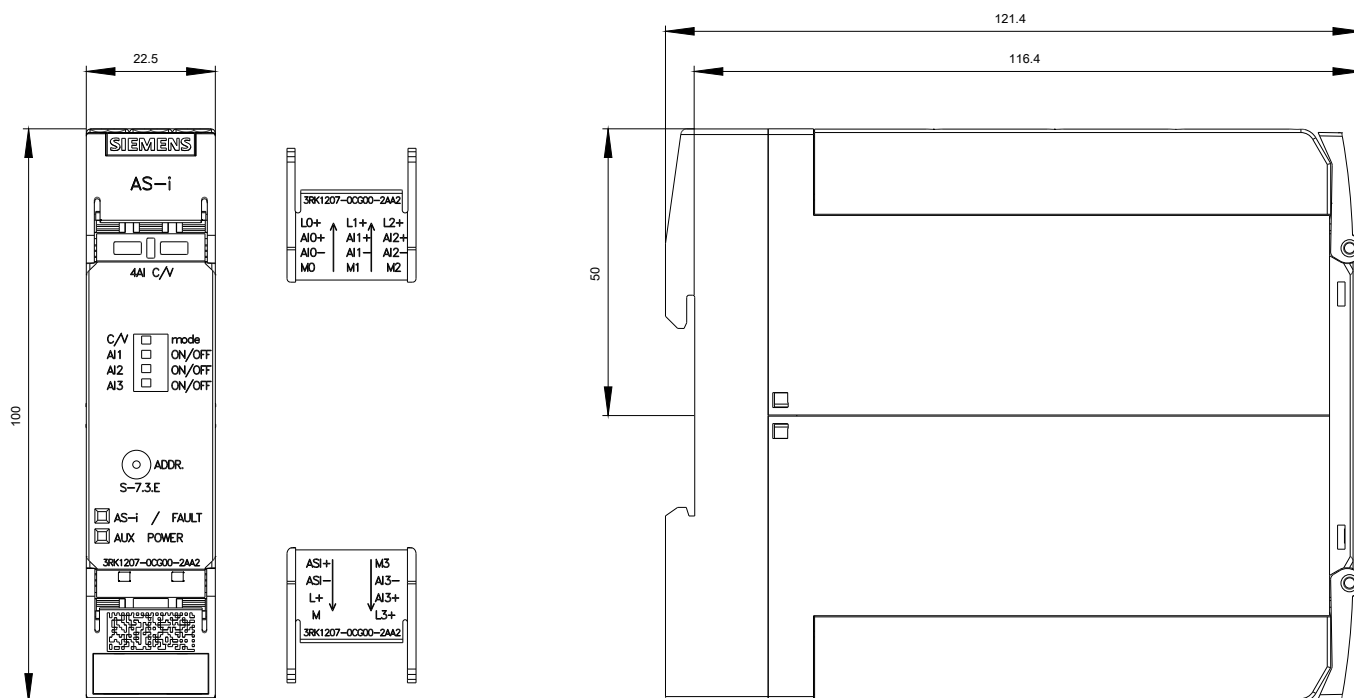
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1207-0CG00-2AA2>

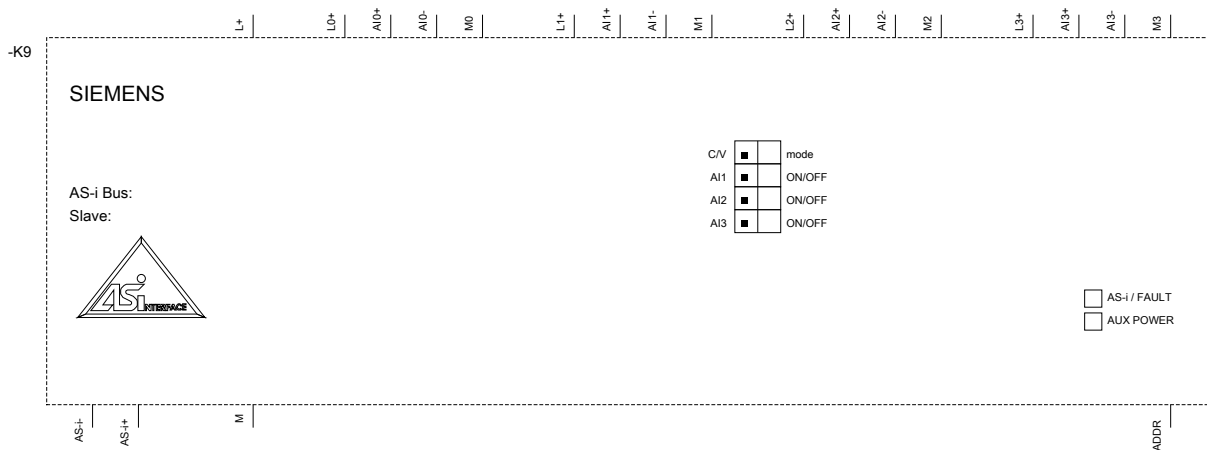
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1207-0CG00-2AA2>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1207-0CG00-2AA2&lang=en





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