



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

<b>product designation</b>	Slimline Compact I/O module for use in the control cabinet	
<b>design of the product</b>	AS-i SC22.5, 4AI PT100	
<b>design of the slave type</b>	standard slave	
<b>AS-Interface slave profile</b>	S-7.3.E	
<b>ID1 code</b>	F; Factory setting, changeable	
<b>operating voltage according to AS-Interface specification</b>	18 ... 31.6 V	
<b>product function suitable for AS-i Power24V</b>	Yes	
<b>consumed current from profile conductors of the AS-Interface</b>		
• at 30 V maximum	200 mA	
• at 24 V with AS-i Power24V maximum	250 mA	
<b>type of address setting of AS-i slaves</b>	via front addressing socket	
<b>Substance Prohibitance (Date)</b>	05/01/2012	
<b>SVHC substance name</b>	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Diboron trioxide - 1303-86-2	
<b>reference code</b>		
• according to EN 61346-2	K	
• according to DIN 40719 extended according to IEC 204-2 according to IEC 750	A	
<b>shock resistance</b>	15g / 11 ms (modules) or 10g / 11 ms (modules with device connector)	
<b>other information</b>	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.	
<b>Digital Inputs</b>		
<b>number of digital inputs</b>	0	
<b>number of digital inputs safety-related</b>	0	
<b>type of connection technology</b>	2- and 4-wire technology	
<b>Sensor supply</b>		
<b>type of voltage supply for power supply</b>	AS interface, alternatively U_AUX	
<b>ampacity of the sensor supply for all inputs at ambient temperature 40 °C</b>	500 mA	
• note	46 mA with supply via AS interface / 500 mA with supply via Uaux	
<b>property of the sensor supply short-circuit and overload resistant</b>	Yes	
<b>Digital Outputs</b>		
<b>number of digital outputs</b>	0	
<b>Analog inputs</b>		
<b>number of analog inputs</b>	4	
<b>signal range at the analog input</b>	4 ... 20 mA; +/- 20 mA; 1 ... 5 V; +/- 10 V	
<b>consumed current from external auxiliary voltage maximum</b>	500 mA	
<b>design of the sensor at the analog input is supported resistor temperature sensor</b>	No	

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
<b>Analog outputs</b>	
number of analog outputs	0
<b>Errors/ accuracies</b>	
relative symmetrical operational limit relating to input range/output range	1 %; full scale
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 %
<b>Device connector</b>	
ampacity of the interface to the device connector	
• for AS-Interface	2 A
• for external auxiliary voltage	4 A
<b>Installation/ mounting/ dimensions</b>	
fastening method	screw and snap-on mounting
height	100 mm
width	22.5 mm
depth	120 mm
<b>Ambient conditions</b>	
ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +85 °C
<b>Connections/ Terminals</b>	
type of electrical connection of the inputs and outputs	Screw terminals
type of connectable conductor cross-sections	
• solid	1x (0.5 ... 2.5 mm <sup>2</sup> ), 2x (0.5 ... 1.5 mm <sup>2</sup> )
• finely stranded with core end processing	1x (0.25 ... 2.5 mm <sup>2</sup> ), 2x (0.25 ... 1.0 mm <sup>2</sup> )
• finely stranded without core end processing	Not permitted
• for AWG cables solid	1x (24 ... 14), 2x (24 ... 16)
• for AWG cables stranded	Not permitted

#### Approvals Certificates

##### General Product Approval

EMV



[Confirmation](#)



EG-Konf.



##### Test Certificates

##### Marine / Shipping

other

##### [Type Test Certificates/Test Report](#)



ABS



DNV



LRS



##### [Confirmation](#)

##### Environment

##### Industrial Communication

##### [Environmental Confirmations](#)



ASI

## 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- 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=3RK1207-0CE00-2AA2>

### Cax online generator

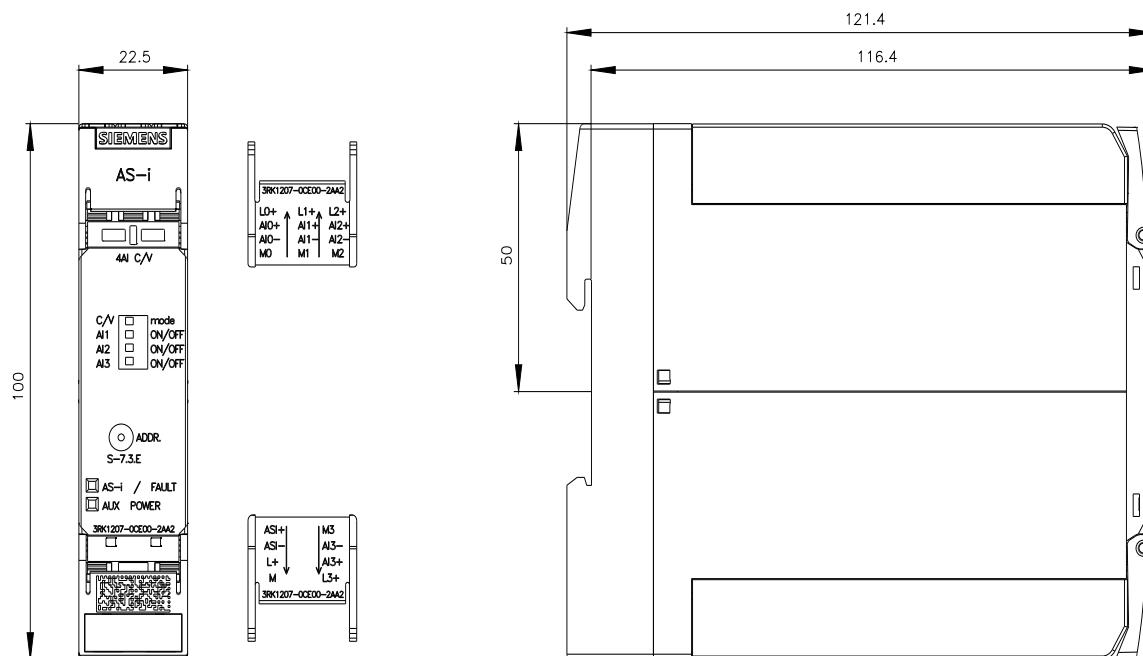
<http://support.automation.siemens.com/WW/CAOrder/default.aspx?lang=en&mlfb=3RK1207-0CE00-2AA2>

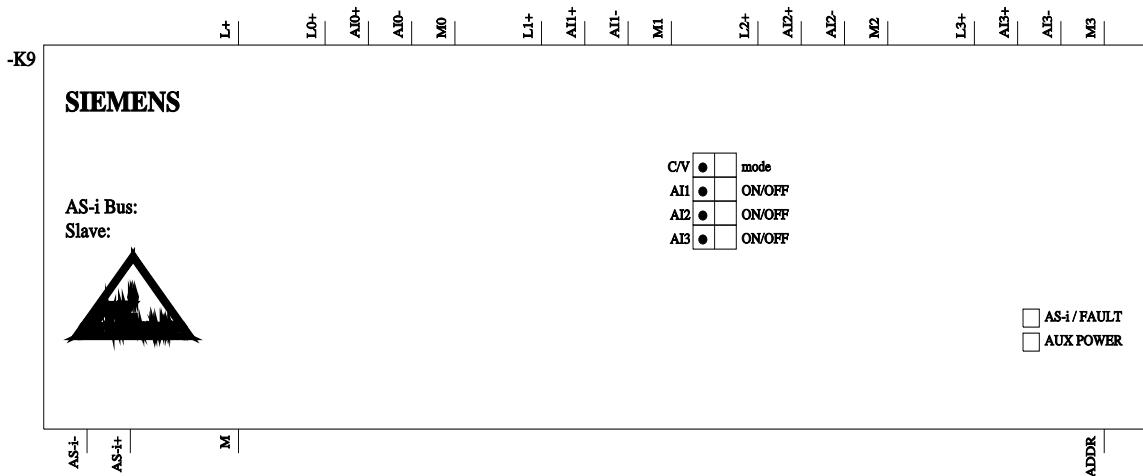
### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<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](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1207-0CE00-2AA2&lang=en)





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