

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



<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>General technical data</b>	
<b>protection class IP</b>	IP20
<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 acc. to AS Interface specification</b>	18 ... 31.6 V
<b>Product function suitable for AS-i Power24V</b>	Yes
<b>protocol is supported AS-Interface protocol</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>Display version</b>	
• for AS Interface	LED green/red
<b>reference code</b>	
• acc. to DIN EN 61346-2	K

<ul style="list-style-type: none"> <li>• acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750</li> </ul>	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.

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
<ul style="list-style-type: none"> <li>• Note</li> </ul>	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

Errors/ accuracies	
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 %
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### Device connector

<b>Ampacity of the interface to the device connector</b>	
<ul style="list-style-type: none"> <li>• for AS Interface</li> </ul>	2 A
<ul style="list-style-type: none"> <li>• for external auxiliary voltage</li> </ul>	4 A

### Installation/ mounting/ dimensions

<ul style="list-style-type: none"> <li>• <b>mounting type</b></li> </ul>	screw and snap-on mounting
<b>height</b>	100 mm
<b>width</b>	22.5 mm
<b>depth</b>	120 mm

### Ambient conditions

<ul style="list-style-type: none"> <li>• ambient temperature during operation</li> </ul>	-25 ... +70 °C
<ul style="list-style-type: none"> <li>• ambient temperature during storage</li> </ul>	-40 ... +85 °C

### Connections/ Terminals

<b>type of electrical connection</b>	
<ul style="list-style-type: none"> <li>• of the inputs and outputs</li> </ul>	Spring-loaded terminals
<ul style="list-style-type: none"> <li>• type of connectable conductor cross-sections solid</li> </ul>	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 1.5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• Type of connectable conductor cross-sections finely stranded with core end processing</li> </ul>	1x (0,25 ... 1,0 mm <sup>2</sup> ), 2x (0,25 ... 1,0 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• Type of connectable conductor cross-sections finely stranded without core end processing</li> </ul>	1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 1.5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>• Type of connectable conductor cross-sections at AWG conductors solid</li> </ul>	1x (20 ... 16), 2x (20 ... 16)
<ul style="list-style-type: none"> <li>• type of connectable conductor cross-sections at AWG conductors stranded</li> </ul>	1x (20 ... 16), 2x (20 ... 16)

### Certificates/ approvals

General Product Approval	EMC	Declaration of Conformity
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[Miscellaneous](#)

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



Marine / Shipping	other
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[Confirmation](#)

Further information

**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=3RK1207-0CG00-2AA2>

**Cax online generator**

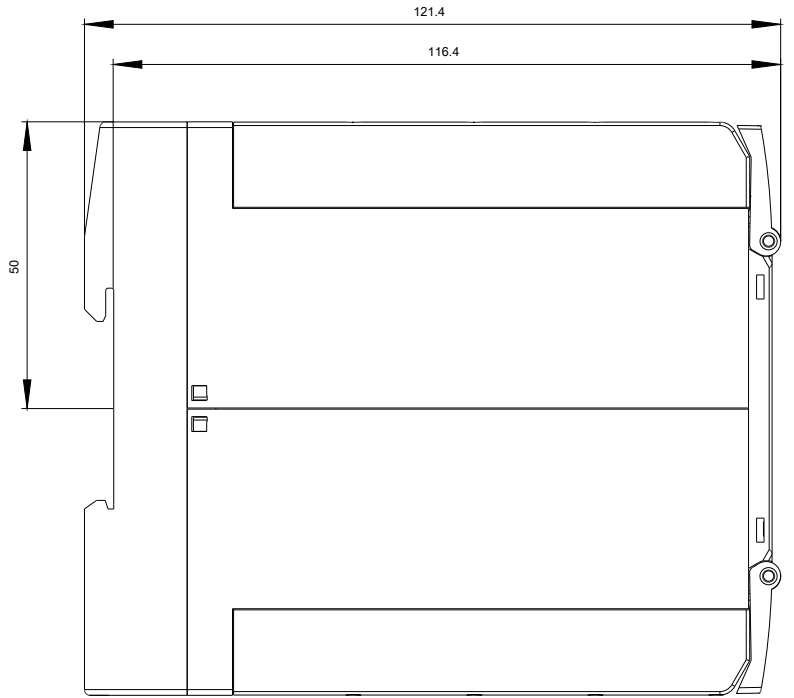
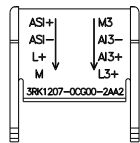
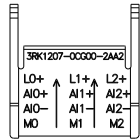
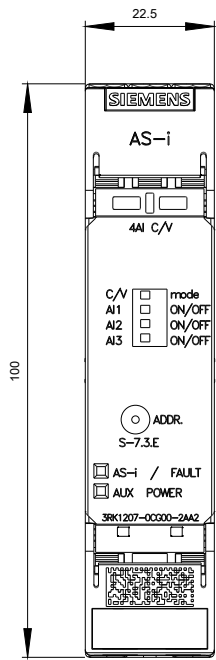
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1207-0CG00-2AA2>

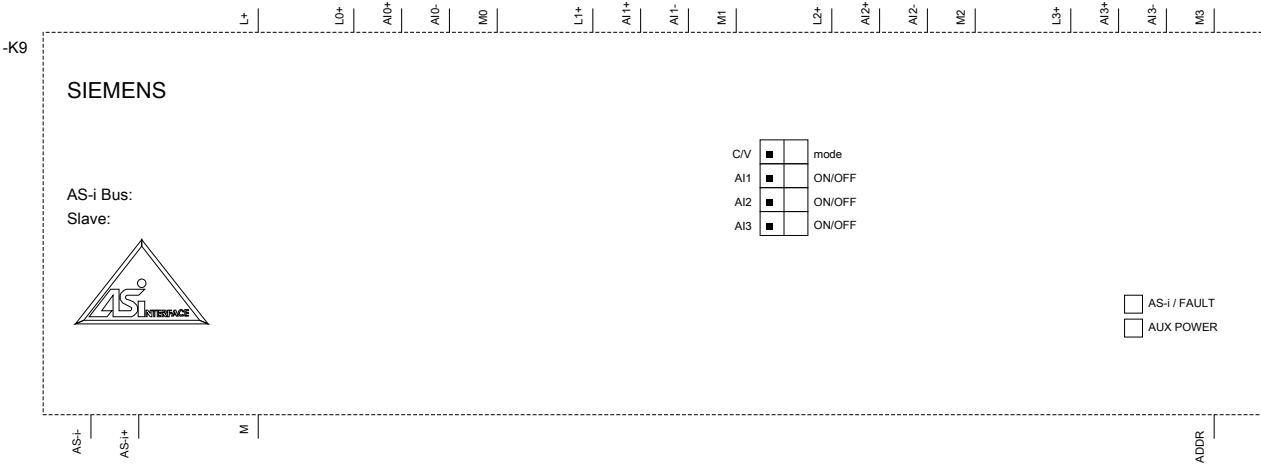
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

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





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