



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
set values of the interference frequency for interference voltage suppression	50 / 60 Hz

Analog outputs

number of analog outputs	0
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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 %

Device connector

ampacity of the interface to the device connector	
• for AS-Interface	2 A
• for external auxiliary voltage	4 A

Installation/ mounting/ dimensions

fastening method	screw and snap-on mounting
height	100 mm
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	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 (0,25 ... 1,0 mm ²), 2x (0,25 ... 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 cables solid	1x (20 ... 16), 2x (20 ... 16)
• at AWG cables stranded	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=3RK1207-3CG00-2AA2>

Cax online generator

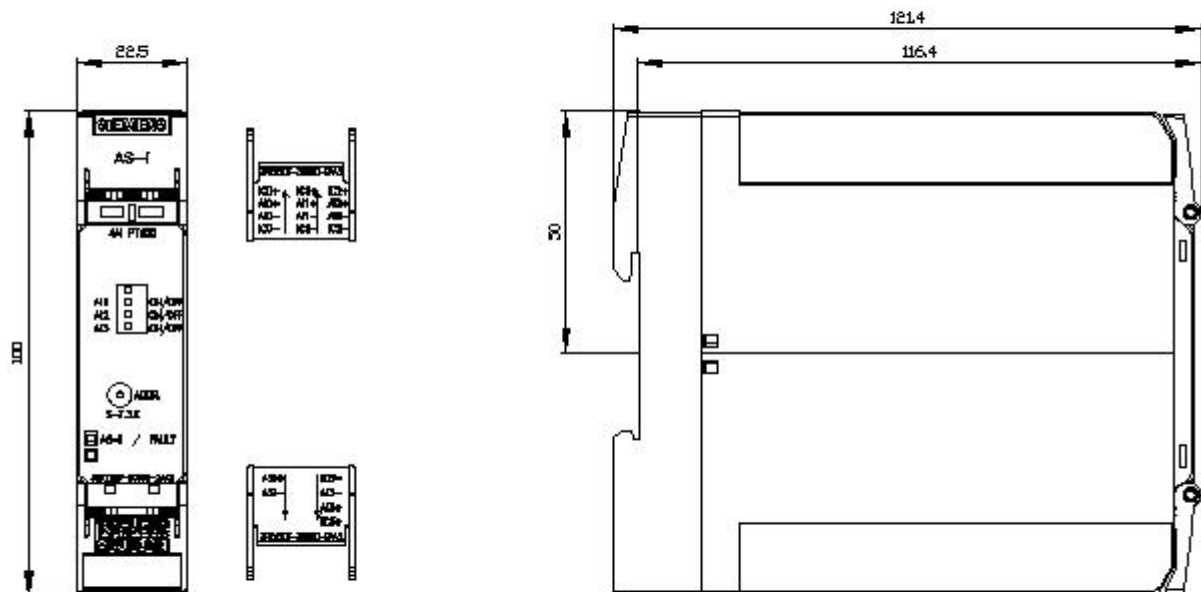
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1207-3CG00-2AA2>

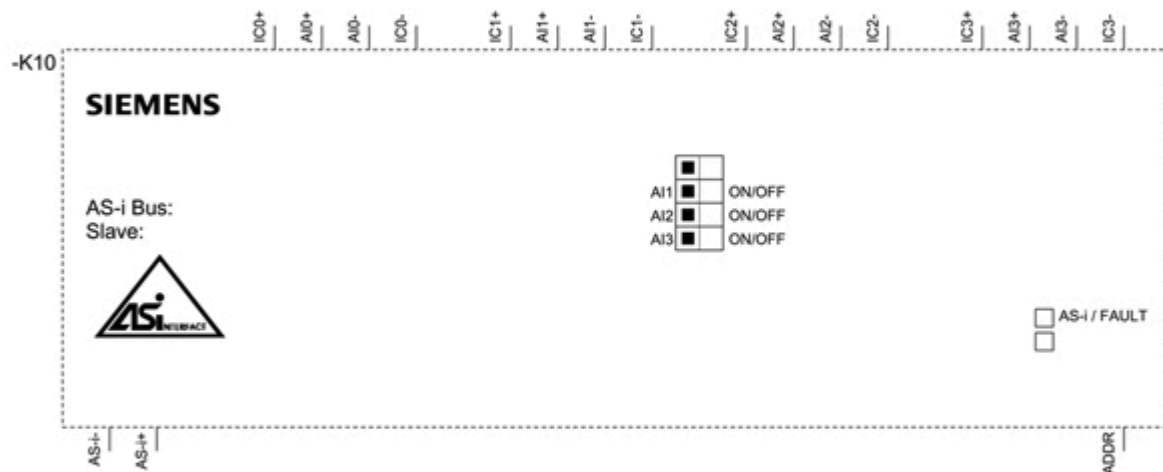
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<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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