

AS-i SlimLine Compact module SC22.5 digital, A/B slave 4 DI, IP20 4 x inputs for 3-wire sensor Sensor supply can be switched over spring-type terminals 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, 4DI A/B, 3-wire
General technical data	
protection class IP	IP20
Design of the slave type	A/B slave
AS interface slave profile	S-0.A.0
ID1 code	7; 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	270 mA
• at 24 V with AS-i Power24V maximum	270 mA
Type of address setting of AS-i slaves	via front addressing socket
Display version	
• as status display of the inputs/outputs	Yellow LED
• for AS Interface	LED green/red
reference code	

<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 • acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 	K 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	4
Number of digital inputs safety-related	0
Type of input characteristic	PNP Type 2
type of connection	2- and 3-wire technology

Sensor supply

Type of voltage supply for power supply	AS-Interface / U_AUX switchable
Ampacity of the sensor supply for all inputs at ambient temperature 40 °C	500 mA
<ul style="list-style-type: none"> • Note 	200 mA with supply via AS interface / 500 mA with supply via Uaux
Property of the sensor supply Short-circuit and overload resistant	Yes
Voltage drop at the sensor supply	
<ul style="list-style-type: none"> • from AS interface • from external auxiliary voltage 	8.5 V 1 V

Digital Outputs

number of digital outputs	0
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Analog inputs

number of analog inputs	0
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Analog outputs

number of analog outputs	0
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Device connector

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

Installation/ mounting/ dimensions

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

Ambient conditions

- ambient temperature during operation
- ambient temperature during storage

-25 ... +70 °C

-40 ... +85 °C

Connections/ Terminals

type of electrical connection

- of the inputs and outputs
- type of connectable conductor cross-sections solid
- Type of connectable conductor cross-sections finely stranded with core end processing
- Type of connectable conductor cross-sections finely stranded without core end processing
- Type of connectable conductor cross-sections at AWG conductors solid
- type of connectable conductor cross-sections at AWG conductors stranded

Spring-loaded terminals

1x (0.5 ... 1.5 mm²), 2x (0.5 ... 1.5 mm²)

1x (0,25 ... 1,0 mm²), 2x (0,25 ... 1,0 mm²)

1x (0.5 ... 1.5 mm²), 2x (0.5 ... 1.5 mm²)

1x (20 ... 16), 2x (20 ... 16)

1x (20 ... 16), 2x (20 ... 16)

Certificates/ approvals

General Product Approval



[Miscellaneous](#)

Test Certificates

Marine / Shipping

[Type Test Certificates/Test Report](#)



ABS



LRS



PRS



RMRS



DNVGL.COM/AF

other

[Confirmation](#)

[Miscellaneous](#)



ASi

Further information

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

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

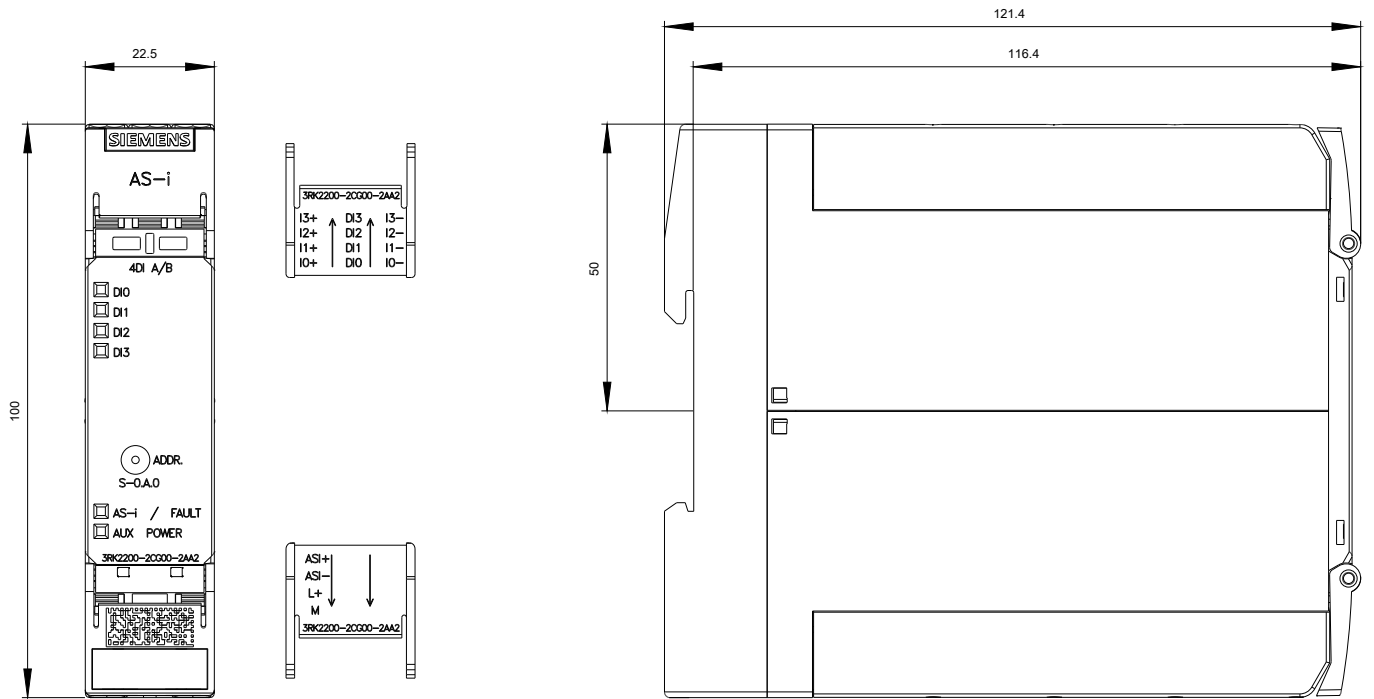
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK2200-2CG00-2AA2>

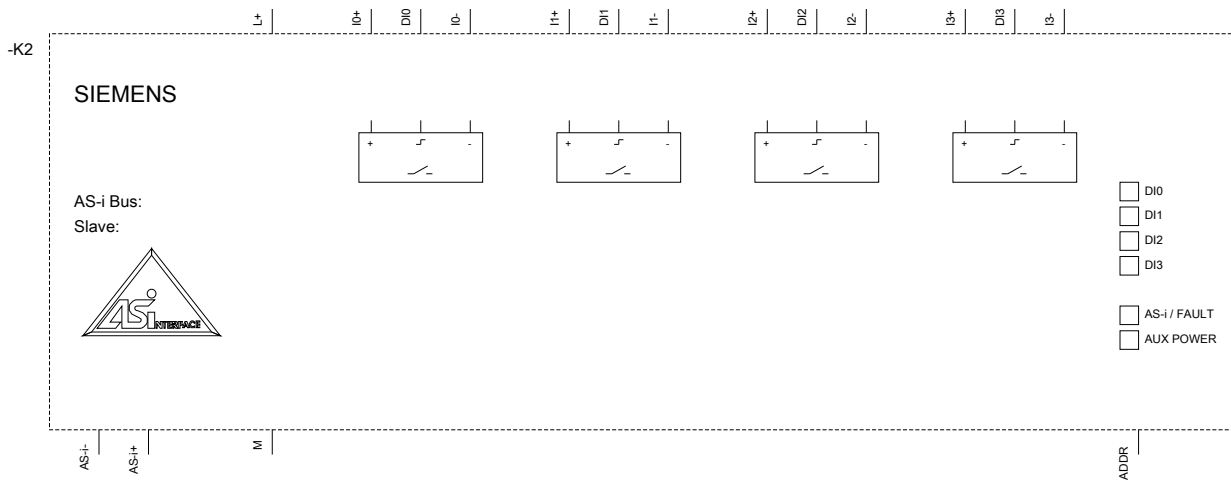
Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2200-2CG00-2AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK2200-2CG00-2AA2>





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