



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
product type designation	3RK2
design of the slave type	A/B slave
AS-Interface slave profile	S-0.A.0
ID1 code	7; Factory setting, changeable
operating voltage according to AS-Interface specification	18 ... 31.6 V
product function suitable for AS-i Power24V	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
Substance Prohibitance (Date)	05/01/2012
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Diboron trioxide - 1303-86-2
Weight	0.203 kg
reference code	
• according to EN 61346-2	K
• according to DIN 40719 extended according to IEC 204-2 according 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	4
number of digital inputs safety-related	0
type of input characteristic	PNP Type 2
type of connection technology	2- and 3-wire technology
Sensor supply	
type of voltage supply for sensor supply	AS-Interface / U_AUX switchable
ampacity of the sensor supply for all inputs at ambient temperature 40 °C	500 mA
• 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	
• from AS-interface	8.5 V
• from external auxiliary voltage	1 V
Digital Outputs	

number of digital outputs	0	
Analog inputs		
number of analog inputs	0	
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		
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 terminal (push-in)	
type of connectable conductor cross-sections		
• solid	1x (0.5 ... 1.5 mm²), 2x (0.5 ... 1.5 mm²)	
• finely stranded with core end processing	1x (0,25 ... 1,0 mm²), 2x (0,25 ... 1,0 mm²)	
• finely stranded without core end processing	1x (0.5 ... 1.5 mm²), 2x (0.5 ... 1.5 mm²)	
• for AWG cables solid	1x (20 ... 16), 2x (20 ... 16)	
• for AWG cables stranded	1x (20 ... 16), 2x (20 ... 16)	
Approvals Certificates		
General Product Approval	EMV	Test Certificates



[Type Test Certificates/Test Report](#)

Maritime application

other



[Confirmation](#)

other

Environment

Industrial Communication

[Miscellaneous](#)

[Environmental Confirmations](#)



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 for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

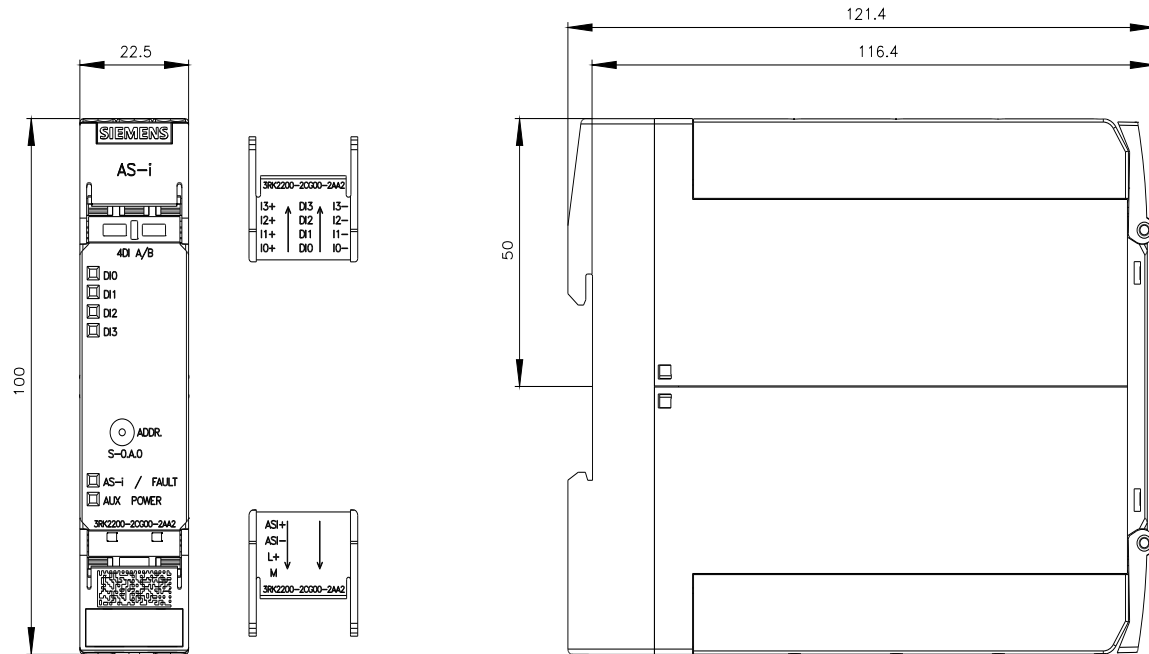
Information- and Downloadcenter (Catalogs, Brochures,...)

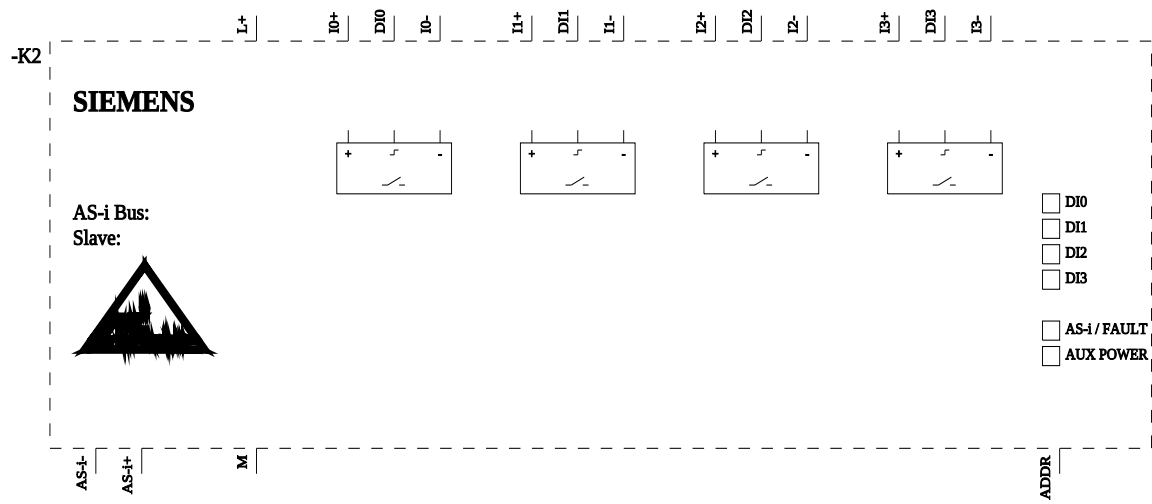
<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

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

Cax online generator





last modified:

4/2/2025 