

AS-i SlimLine Compact module SC22.5 digital 4 DI/4 DQ, IP20 4 x inputs for 3-wire sensor Sensor supply can be switched over 4 x output, 2 A, 24 V DC maximal 4 A for all outputs Screw terminals 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/4DQ, Standard
General technical data	
protection class IP	IP20
Design of the slave type	standard slave
AS interface slave profile	S-7.0.F
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	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	LED yellow/red
• for AS Interface	LED green/red
reference code	

• 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
• 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 • from external auxiliary voltage	8.5 V 1 V

Digital Outputs	
number of digital outputs	4
type of switching output	PNP transistor
Product function for power supply Reverse polarity protection	Yes
property of the output short-circuit proof	Yes
product function	Built-in induction protection
total current of digital outputs per module maximum	4 A
Type of voltage supply at the outputs	via AUX POWER
Ampacity of the semiconductor output at DC-13 at 24 V	2 A

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

• mounting type	screw and snap-on mounting
height	100 mm
width	22.5 mm
depth	120 mm

Ambient conditions

• ambient temperature during operation	-25 ... +70 °C
• ambient temperature during storage	-40 ... +85 °C

Connections/ Terminals

type of electrical connection	
• of the inputs and outputs	Screw terminals
• type of connectable conductor cross-sections solid	1x (0.5 ... 2.5 mm ²), 2x (0.5 ... 1.5 mm ²)
• Type of connectable conductor cross-sections finely stranded with core end processing	1x (0.25 ... 2.5 mm ²), 2x (0.25 ... 1.0 mm ²)
• Type of connectable conductor cross-sections finely stranded without core end processing	Not permitted
• Type of connectable conductor cross-sections at AWG conductors solid	1x (20 ... 14), 2x (18 ... 16)
• type of connectable conductor cross-sections at AWG conductors stranded	Not permitted

Certificates/ approvals

General Product Approval			EMC	Declaration of Conformity	
					Miscellaneous
CSA	UL		RCM	EG-Konf.	

Test Certificates		Marine / Shipping			
Type Test Certificates/Test Report	Special Test Certificate				
		ABS	LRS	PRS	RINA

Marine / Shipping	other				
			Confirmation		
RMRS	DNVGL.COM/AF	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=3RK1400-2CE00-2AA2>

Cax online generator

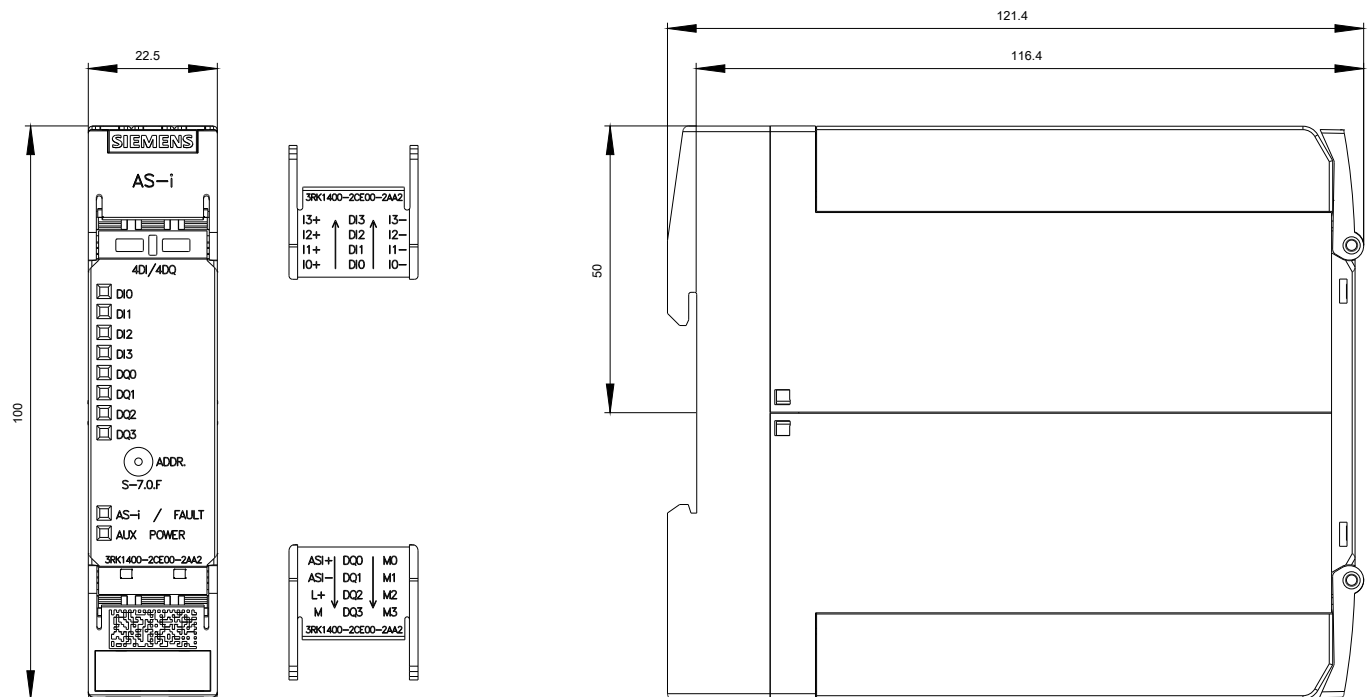
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1400-2CE00-2AA2>

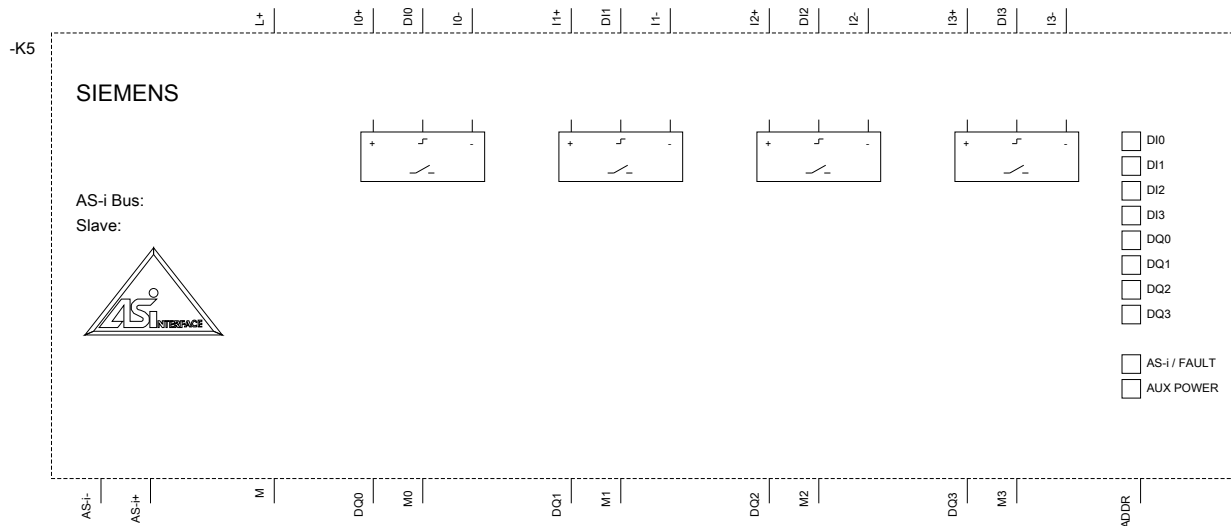
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1400-2CE00-2AA2>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1400-2CE00-2AA2&lang=en





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