SIEMENS

Data sheet 3RK1400-2CG00-2AA2

AS-I SLIMLINE COMPACT MODULE IP20, STD-SLAVE DIGITAL 4DI/4DQ SPRING-LOADED TERMINALS, 22.5MM 4X INPUT FOR 3-WIRE SENSOR SENSOR SUPPLY SWITCHABLE 4X OUTPUT TRANSISTOR 2A



Figure similar

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 is supported	S-7.0.F
ID1 code	F
Operating voltage acc. 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
Display version	
• as status display of the inputs/outputs	LED yellow/red
Equipment marking	
• acc. to DIN EN 61346-2	K

Subject to change without notice
© Copyright Siemens

• 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	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
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	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
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

Subject to change without notice
© Copyright Siemens

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

Certificates/approvals

General Product Approval			Declaration of Conformity	Test Certificates	Shipping Approval
CSA	UL	EAC	EG-Konf.	Type Test Certificates/Test Report	ABS

Shipping Approval				other	
LRS	PRS	RINA	RMRS	ASi	Confirmation

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

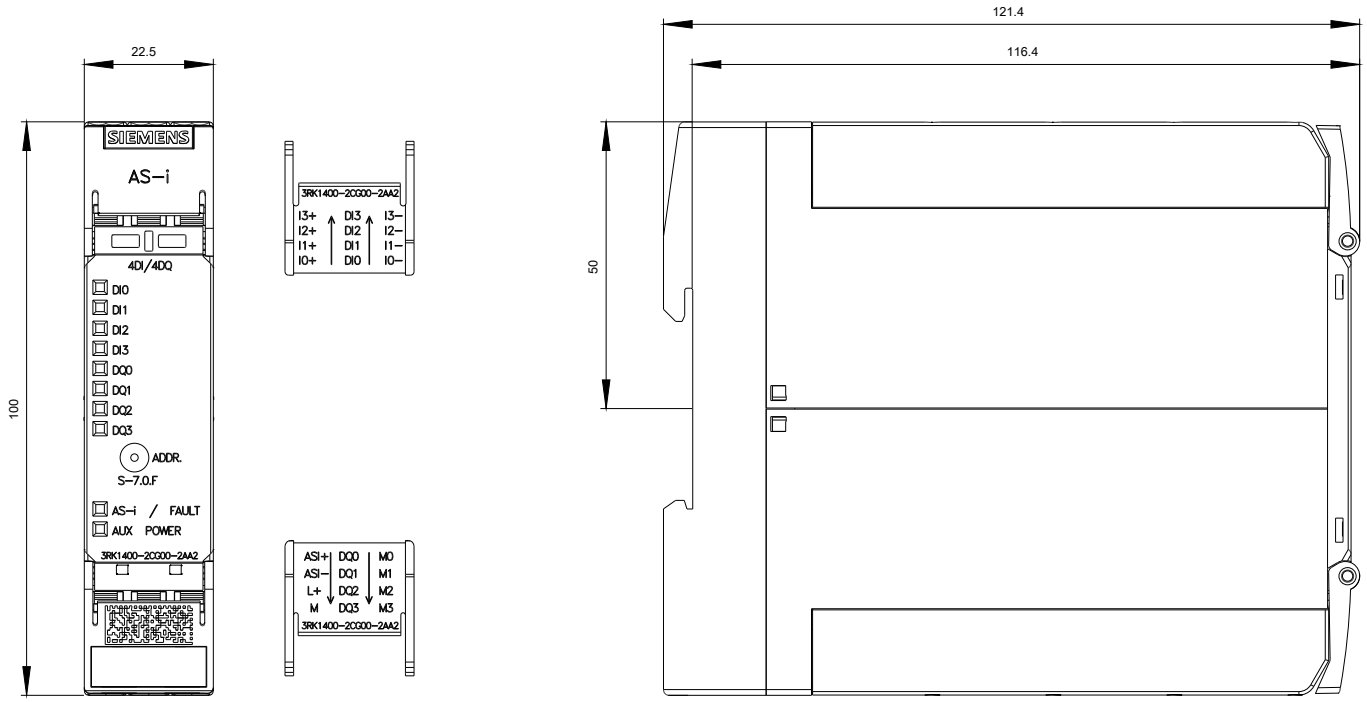
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1400-2CG00-2AA2

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1400-2CG00-2AA2

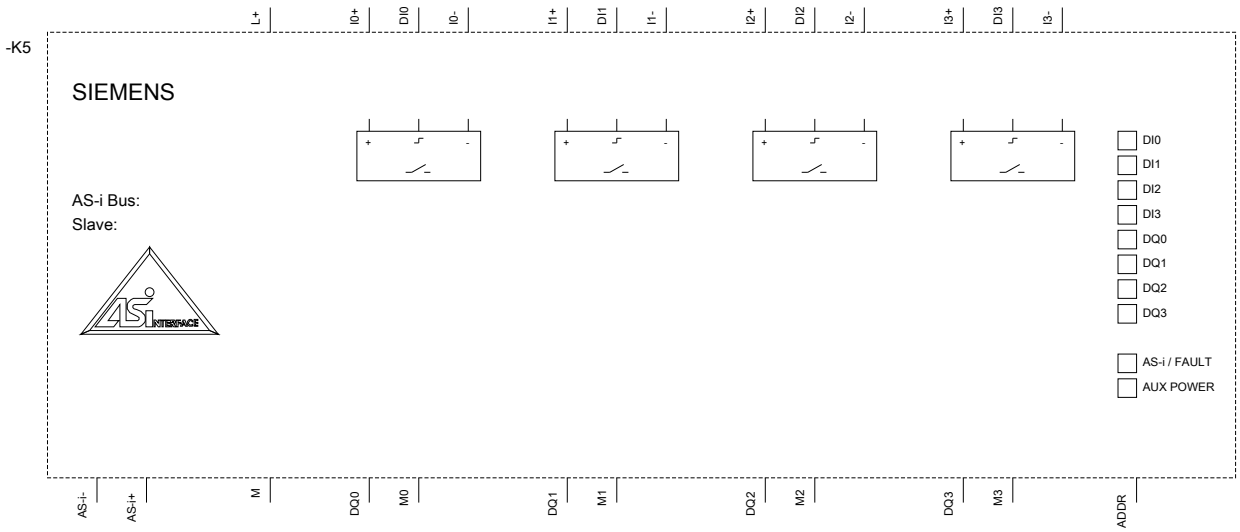
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK1400-2CG00-2AA2

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1400-2CG00-2AA2&lang=en

Subject to change without notice
© Copyright Siemens



© Copyright Siemens



last modified: 08/02/2017

Subject to change without notice
© Copyright Siemens