

AS-i compact module K20 digital A/B slave, 4 DI, IP67 2 x 2 inputs, maximum 200 mA 2 x M12 sockets with Y assignment



General technical data	
Design of the product	digital I/O modules for operation in the field, IP67 - K20
Type	4 inputs
Design of the slave type	A/B slave
I/O configuration	0
ID/ID2 code	A/2
Number I/O sockets	2
Type of electrical connection of the inputs and outputs	M12 screw-type terminals
AS interface total current input max	270 mA
operating voltage according to AS-Interface specification	26.5 ... 31.6 V
Ground terminal	not available
Addressing	using M12 female connector
AS interface Connection Polarity reversal protection	built-in
Sensor supply	
Type of voltage supply for power supply	using AS-Interface
Input voltage	16.5 ... 30 V

Property of the sensor supply Short-circuit and overload resistant	Yes
Ampacity of the sensor supply for all inputs	
• at ambient temperature 40 °C	200 mA
• at ambient temperature 55 °C	150 mA
Inputs	
Number of digital inputs	4
Type of connection	2- and 3-wire technology
Input circuit	PNP transistor
Type of voltage of the input voltages	DC
Inputs switching level High min	10 V
Input current at digital input	
• for signal <1> minimum	6 mA
• with signal <0> maximum	1.5 mA
Inputs sensor supply using AS-Interface	short-circuit and overload resistant
Inputs socket assignment	
• PIN 1	sensor supply L+
• PIN 2	data input 2
• PIN 3	sensor supply L-
• PIN 4	data input 1
Design of the pin assignment of the inputs	standard assignment
Outputs	
Number of digital outputs	0
Display	
Status display	
• display of I/Os	yellow LED
• display of Uaux	not required
• display of AS-Interface/diagnostics	green/red dual LED
Assignment of the data bits	
Assignment of data bits	
• socket	PIN 4 = IN1 (D0), PIN 2 = IN2 (D1)
• socket 2	PIN 4 = IN3 (D2), PIN 2 = IN4 (D3)
• socket 3	not available
• socket 4	not available
Ambient conditions	
Ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +85 °C
Protection class IP	IP67
Mechanical data	

Width	20 mm
Height	108 mm
Depth	45 mm
Mounting type	no mounting plate required

Certificates/approvals

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

[Miscellaneous](#)

Test Certificates	Shipping Approval				
Special Test Certificate					
	ABS	BUREAU VERITAS	LRS	PRS	RMRS

other

ASi

[Confirmation](#)

[Miscellaneous](#)

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=3RK2200-0CQ30-0AA3>

Cax online generator

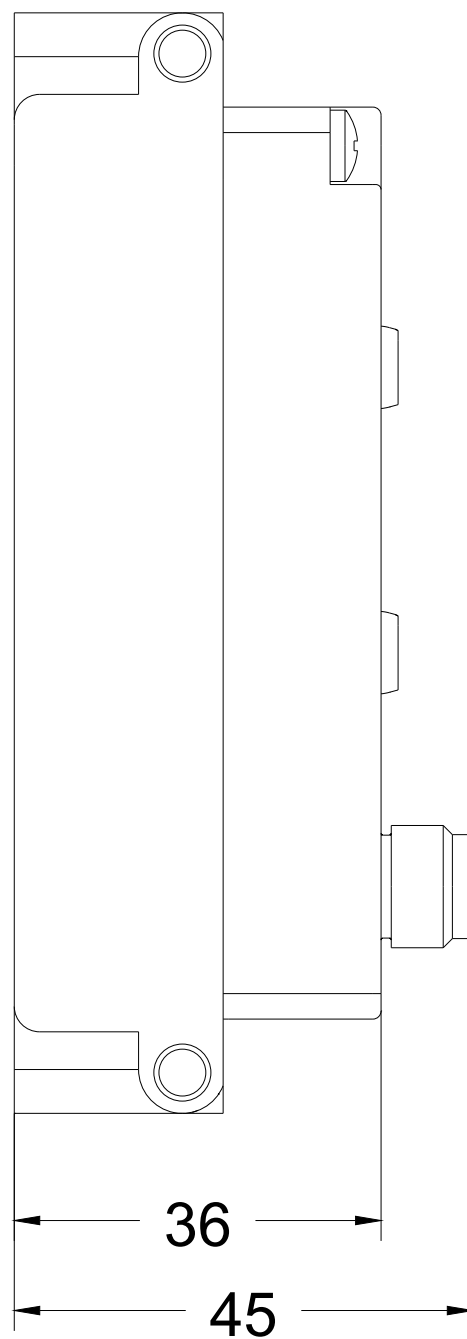
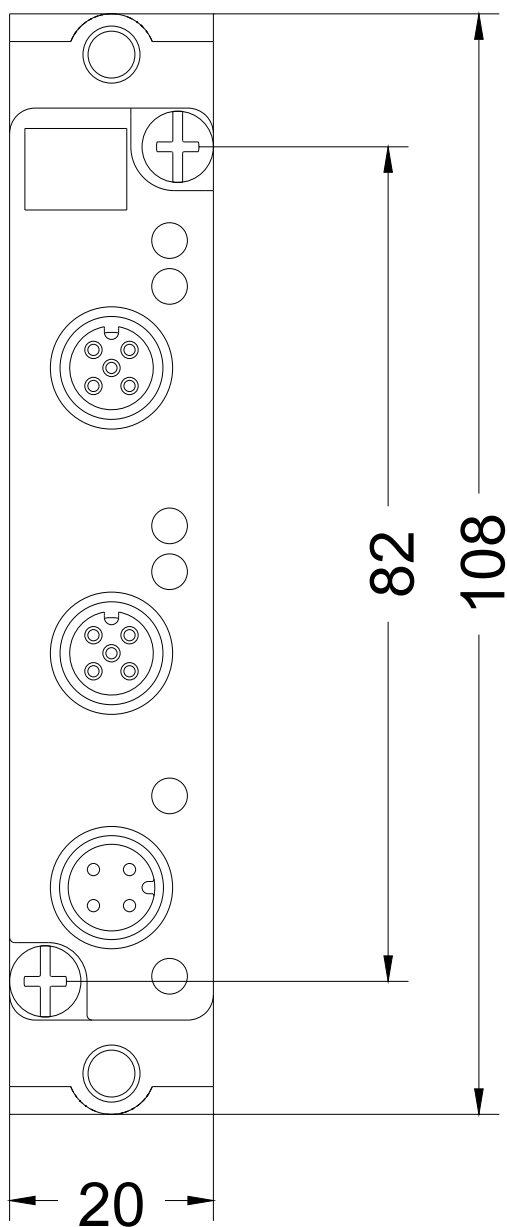
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2200-0CQ30-0AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK2200-0CQ30-0AA3>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2200-0CQ30-0AA3&lang=en



last modified:

10/22/2019