

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 - at ambient temperature 55 °C	200 mA 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 - with signal <0> maximum	6 mA 1.5 mA
Inputs sensor supply using AS-Interface	short-circuit and overload resistant
Inputs socket assignment	
- PIN 1 - PIN 2 - PIN 3 - PIN 4	sensor supply L+ data input 2 sensor supply L- 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 - display of Uaux - display of AS-Interface/diagnostics	yellow LED not required green/red dual LED
Assignment of the data bits	
Assignment of data bits	
- socket - socket 2 - socket 3 - socket 4	PIN 4 = IN1 (D0), PIN 2 = IN2 (D1) PIN 4 = IN3 (D2), PIN 2 = IN4 (D3) not available not available
Ambient conditions	
Ambient temperature	
- during operation - during storage	-25 ... +70 °C -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	
					Miscellaneous
CSA	UL		RCM	EG-Konf.	

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

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=3RK2200-0CQ30-0AA3>

Cax online generator

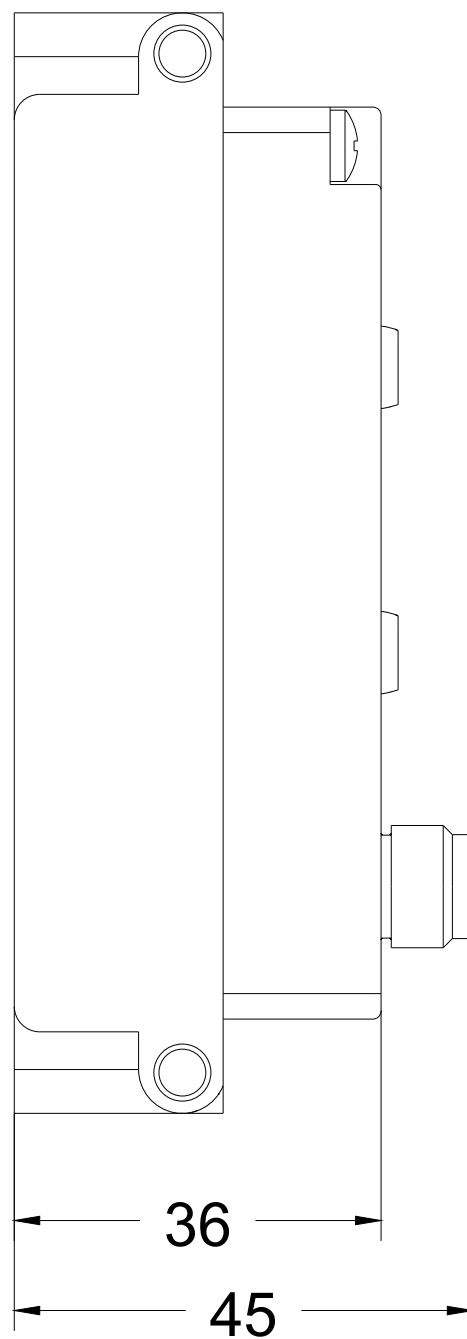
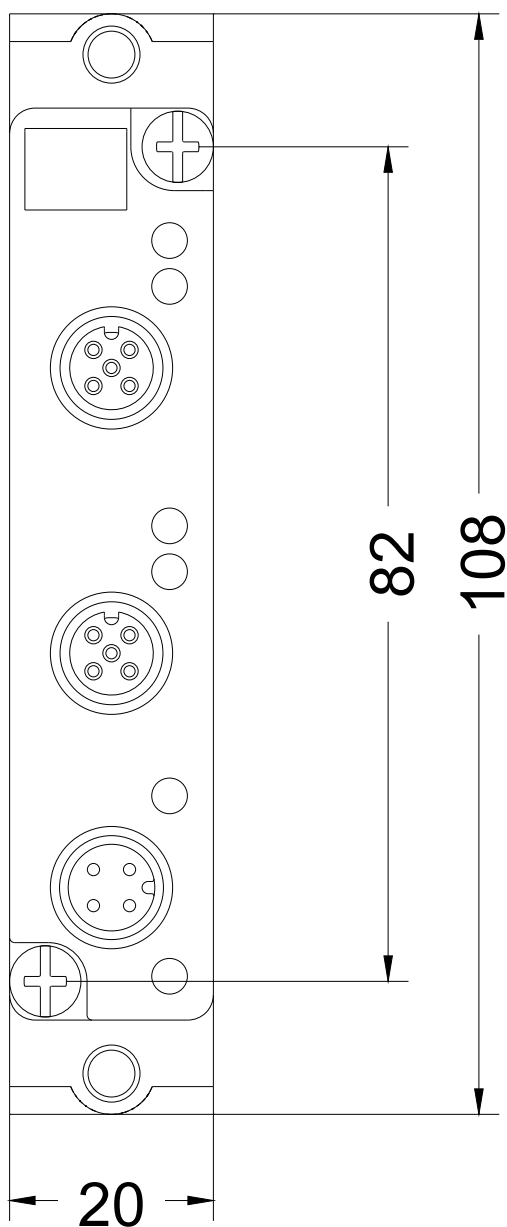
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2200-0CQ30-0AA3>

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



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