SIEMENS

Data sheet 3RK2200-0CQ30-0AA3



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 spezification	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 sensor 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 technology	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
● PIN 3	sensor supply L-
● PIN 4	data input
design of the pin assignment of the inputs	Y assignement
Outputs	
number of digital outputs	0
Display	

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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
fastening method	no mounting plate required
shock resistance	15g / 11 ms

Certificates/ approvals

General Product Approval				EMV	
CE EG-Konf.	UKCA	UL UL	EAC	RCM	KC

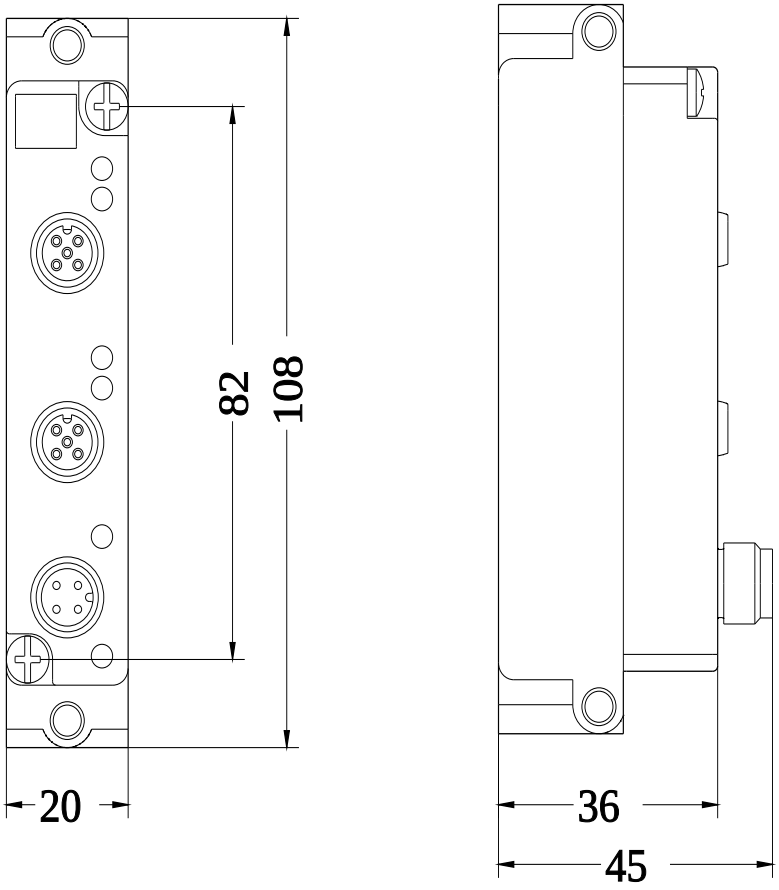
Test Certificates	Maritime application			other	
Special Test Certific-ate	BUREAU VERITAS	DNV DNV	PRS	产品合格 QC PASS	Confirmation

other	Environment	Industrial Communication
Miscellaneous	Environmental Con-firmations	ASi

Further information

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=3RK2200-0CQ30-0AA3
Cax online generator
https://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, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2200-0CQ30-0AA3&lang=en

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