



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 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	standard assignment
Outputs	
number of digital outputs	0
Display	

<b>Status display</b>	
<ul style="list-style-type: none"> <li>display of I/Os</li> <li>display of Uaux</li> <li>display of AS-Interface/diagnostics</li> </ul>	<ul style="list-style-type: none"> <li>yellow LED</li> <li>not required</li> <li>green/red dual LED</li> </ul>

### Assignment of the data bits

<b>Assignment of data bits</b>	
<ul style="list-style-type: none"> <li>socket</li> <li>socket 2</li> <li>socket 3</li> <li>socket 4</li> </ul>	<ul style="list-style-type: none"> <li>PIN 4 = IN1 (D0), PIN 2 = IN2 (D1)</li> <li>PIN 4 = IN3 (D2), PIN 2 = IN4 (D3)</li> <li>not available</li> <li>not available</li> </ul>

### Ambient conditions

<b>ambient temperature</b>	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul>	<ul style="list-style-type: none"> <li>-25 ... +70 °C</li> <li>-40 ... +85 °C</li> </ul>
<b>protection class IP</b>	IP67

### Mechanical data

<b>width</b>	20 mm
<b>height</b>	108 mm
<b>depth</b>	45 mm
<b>fastening method</b>	no mounting plate required
<b>shock resistance</b>	15g / 11 ms

### Certificates/ approvals

General Product Approval	EMC	Declaration of Conformity
<a href="#">Confirmation</a>   		

Test Certificates	Marine / Shipping	other
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<a href="#">Special Test Certificate</a>     		
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### other

<a href="#">Confirmation</a>	<a href="#">Miscellaneous</a>
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### Further information

Siemens has decided to exit the Russian market (see here).  
<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.  
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

**Information on the packaging**  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>

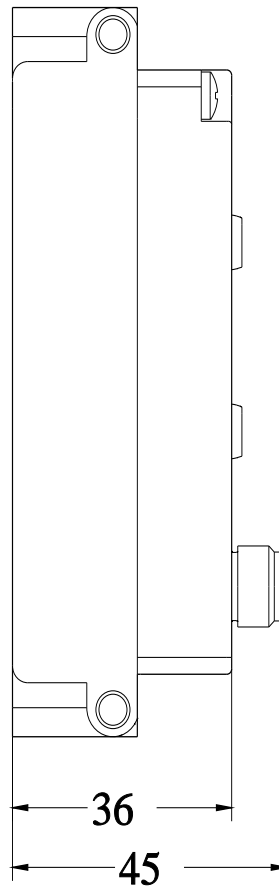
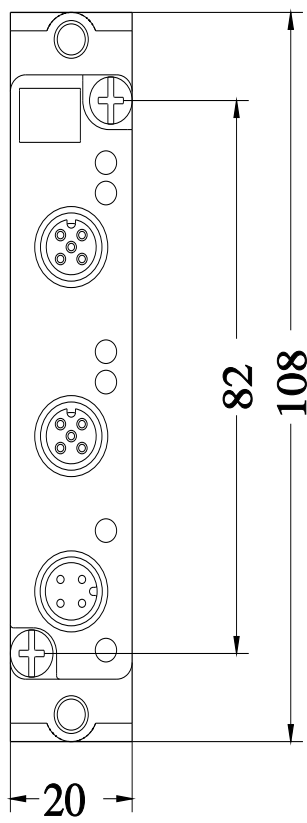
**Information- and Downloadcenter (Catalogs, Brochures,...)**  
<https://www.siemens.com/ic10>

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



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