



AS-I COMPACT MODULE K20, IP67, A/B-SLAVE, DIGITAL, 4DI, 4 X INPUT FOR SENSOR(MECHAN./2-OR 3-WIRE) PNP, SENSOR SUPPLY FROM U\_ASI "TOTAL MAX.200MA, " 2XM12-SOCKET

Figure similar

**General technical data:**

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

**Sensor supply:**

<b>Type of voltage supply for power supply</b>		using AS-Interface
<b>Input voltage</b>	V	16.5 ... 30
<b>Property of the sensor supply Short-circuit and overload resistant</b>		Yes
Ampacity of the sensor supply for all inputs		
• at ambient temperature 40 °C	mA	200
• at ambient temperature 55 °C	mA	150

**Inputs:**

<b>Number of digital inputs</b>		4
<b>Type of connection</b>		2- and 3-wire technology
<b>Input circuit</b>		PNP transistor
<b>Type of voltage of the input voltages</b>		DC
<b>Inputs switching level High min</b>	V	10
<b>Input current at digital input</b>		
• for signal <1> minimum	mA	6
• with signal <0> maximum	mA	1.5
<b>Inputs sensor supply using AS-Interface</b>		short-circuit and overload resistant
<b>Inputs socket assignment</b>		
• PIN 1		sensor supply L+
• PIN 2		data input 2
• PIN 3		sensor supply L-
• PIN 4		data input 1
<b>Design of the pin assignment of the inputs</b>		standard assignment

#### Outputs:

<b>Number of digital outputs</b>		0
<b>Status display</b>		
• display of I/Os		yellow LED
• display of Uaux		not required
• display of AS-Interface/diagnostics		green/red dual LED
<b>Assignment of data bits</b>		
• 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:

<b>Ambient temperature</b>		
• during operation	°C	-25 ... +70
• during storage	°C	-40 ... +85
<b>Protection class IP</b>		IP67






#### Mechanical data:

<b>Width</b>	mm	20
<b>Height</b>	mm	108
<b>Depth</b>	mm	45
<b>Mounting type</b>		no mounting plate required

#### Certificates/ approvals:

<b>AS-Interface certificate</b>		yes
<b>Approvals</b>		UL and CSA requested

General Product Approval				Test Certificates	Shipping Approval
 CSA	 GOST	 UL		<a href="#">Special Test Certificate</a>	 ABS

Shipping Approval					other
 BUREAU VERITAS	 DNV	 LRS	 PRS	 RMRS	<a href="#">Confirmation</a>

other		
<a href="#">Declaration of Conformity</a>	<a href="#">Environmental Confirmations</a>	<a href="#">other</a>

#### Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<http://www.siemens.com/industrymall>

**Cax online generator**

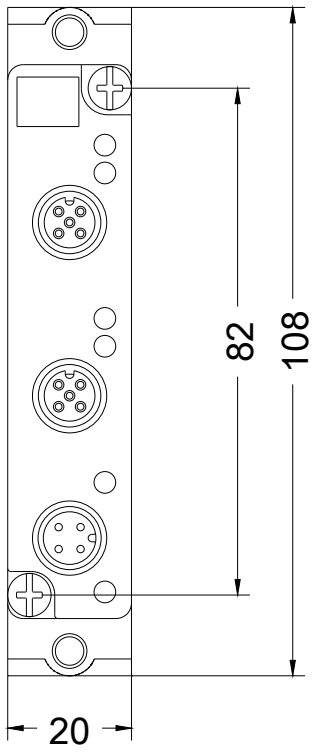
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK22000CQ300AA3>

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

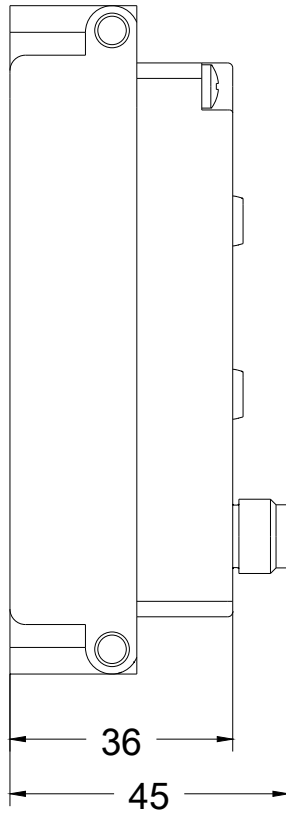
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**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK22000CQ300AA3&lang=en>



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