



AS-I COMPACT MODULE K20, IP67, A/B-SLAVE, DIGITAL, 2DI/2DO, 2 X INPUT FOR SENSOR(MECHAN./2- OR 3-WIRE) PNP, SENSOR SUPPLY FROM U_ASI "TOTAL MAX.150MA," 2 X OUTPUT MAX. 1A OUTPUT SUPPLY FROM DC 24V MAX. 1A FOR ALL OUTPUTS 2XM8-SOCKET

Figure similar

General technical data:		
Design of the product		digital I/O modules for operation in the field, IP67 - K20
Type		2 outputs / 2 inputs
Design of the slave type		A/B slave
I/O configuration		B
ID/ID2 code		A/0
Number I/O sockets		4
Type of electrical connection of the inputs and outputs		M8 screw-type terminals
AS interface total current input max	mA	270
operating voltage according to AS-Interface spezifikation	V	26.5 ... 31.6
Ground terminal		not available
Addressing		using M12 female connector
AS interface Connection Polarity reversal protection		built-in

Note 1		An external additional supply (AUX POWER) of 20 to 30 V DC is required for the supply of the output circuits. The additional supply must comply with VDE 0106 (PELV), protection class III.
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Sensor supply:

Type of voltage supply for power supply		using AS-Interface
Input voltage	V	16.5 ... 30
Property of the sensor supply Short-circuit and overload resistant		Yes
Ampacity of the sensor supply for all inputs		
• at ambient temperature 40 °C	mA	150
• at ambient temperature 55 °C	mA	70

Inputs:

Number of digital inputs		2
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	V	10
Input current at digital input		
• for signal <1> minimum	mA	6
• with signal <0> maximum	mA	1.5
Inputs sensor supply using AS-Interface		short-circuit and overload resistant
Inputs socket assignment		
• PIN 1		sensor supply L+
• PIN 3		sensor supply L-
• PIN 4		data input
Design of the pin assignment of the inputs		Y assignment

Outputs:

Number of digital outputs		2
Type of voltage of output voltages		DC
Outputs external power supply 24 V DC		shared round cable connection with AS-Interface connection through M12 female connector
Output current at digital output for signal <1> Rated value	A	1
Outputs aggregate current		
• max	A	1
Type of switching output		PNP transistor
Design of the pin assignment of the outputs		Y assignment
Outputs socket assignment		3 = "-", 2 = output
Property of the output Short-circuit proof		Yes
Outputs		
• short-circuit protection		built-in

• induction protection • watchdog		built-in built-in
Status display • display of I/Os • display of Uaux • display of AS-Interface/diagnostics		yellow LED green LED green/red dual LED
Assignment of data bits • socket • socket 2 • socket 3 • socket 4		PIN 4 = IN3 (D2) PIN 4 = IN4 (D3) PIN 4 = OUT1 (D0) PIN 4 = OUT2 (D1)

Ambient conditions:

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

Mechanical data:

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

Certificates/ approvals:

AS-Interface certificate		yes
Approvals		UL and CSA requested

General Product Approval			Declaration of Conformity	Test Certificates	Shipping Approval
				Special Test Certificate	
CSA	UL		EG-Konf.		ABS

Shipping Approval				other	
					Confirmation
BUREAU VERITAS	LRS	PRS	RMRS	ASi	

other	
Environmental Confirmations	Miscellaneous

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

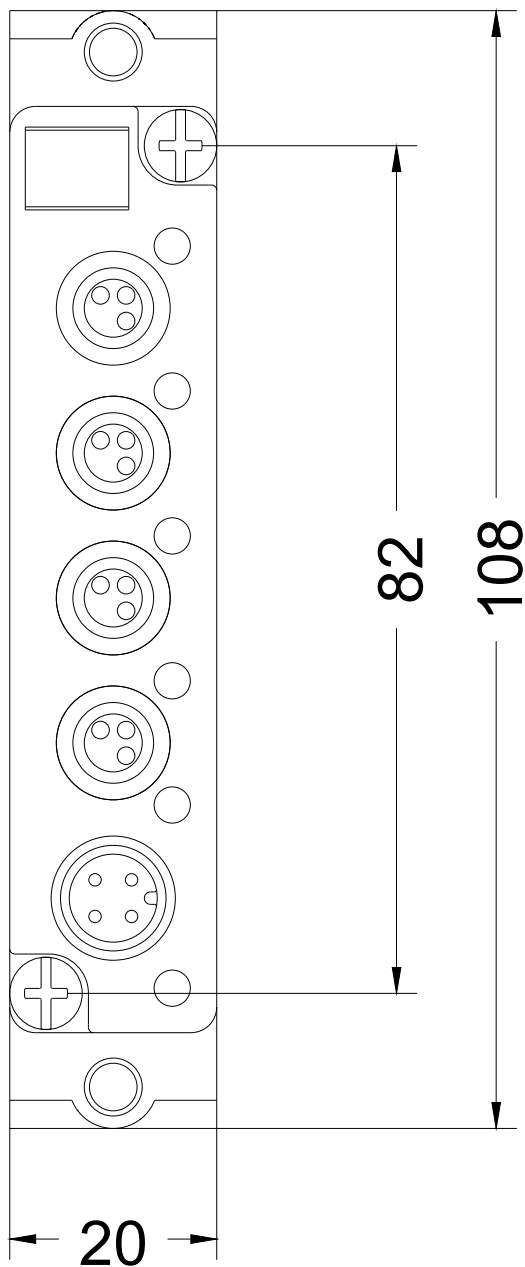
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2400-1BT30-0AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK2400-1BT30-0AA3>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2400-1BT30-0AA3&lang=en



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