



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

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
Design of the electrical connection / of the inputs and outputs		M12 screw-type terminals
AS interface / total current input / max	mA	270
operating voltage		
• according to AS-Interface specification	V	26.5 ... 31.6
Ground terminal		not available
Addressing		using M12 female connector
AS interface / Connection / Polarity reversal protection		built-in

Sensor supply:

Type of voltage supply / for the sensor supply		using AS-Interface
Input voltage	V	16.5 ... 30
Characteristic feature of the sensor supply / short-circuit and overload resistant		Yes

Current carrying capacity / of the sensor supply / for all inputs • at ambient temperature 40 °C • at ambient temperature 55 °C	mA	200
	mA	150

Inputs:		
Number of digital inputs		4
Type of connection		2- and 3-wire technology
Input circuit		PNP transistor
Type of / input voltages		DC
Inputs / switching level High / min	V	10
Input current / at the digital input • for signal <1> / minimum • at signal <0> / maximum	mA	6
	mA	1.5
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

Status display		
• display of I/Os		yellow LED
• display of Uaux		not required
• display of AS-Interface/diagnostics		green/red dual LED

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

Mechanical design:

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



[Special Test Certificate](#)

Shipping Approval



other

[Confirmation](#)

[Declaration of Conformity](#)

[other](#)

[Environmental Confirmations](#)

Further information:

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

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

Industry Mall (Online ordering system)

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

CAX-Online-Generator

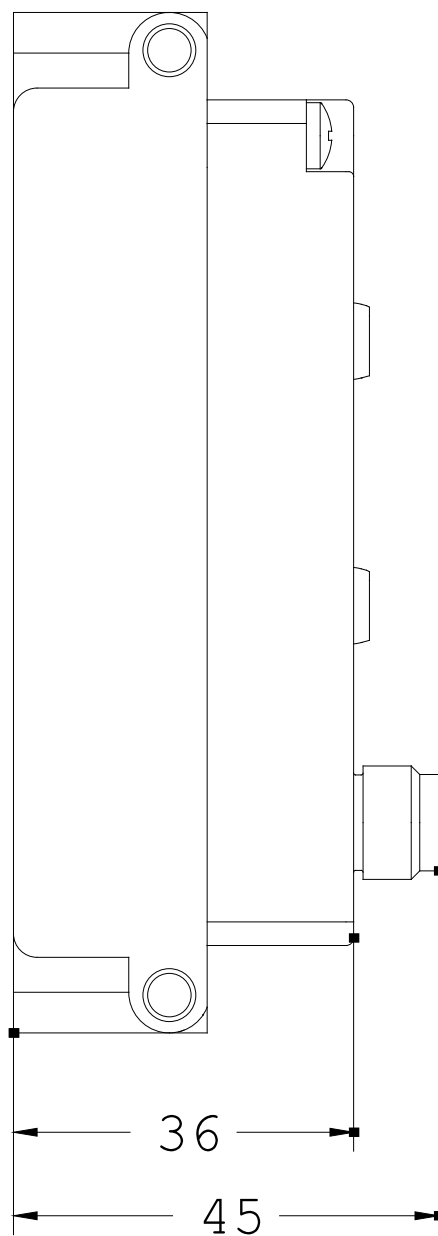
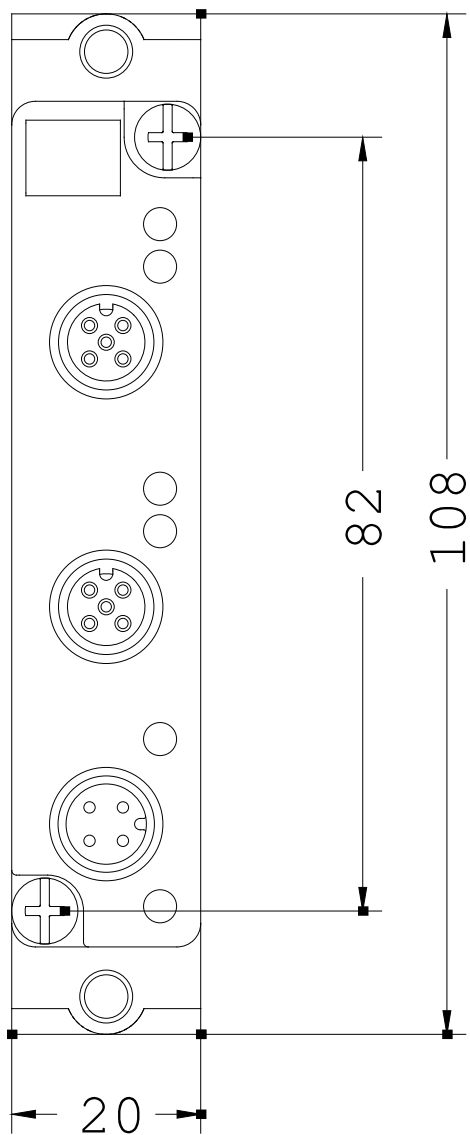
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK2200-0CQ30-0AA3/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK2200-0CQ30-0AA3



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