



AS-I COMPACT MODULE K20 A/B SLAVE (SPEC. 3.0),
IP67 DIGITAL,
4DO 4 X OUTPUT 1A OUTPUT SUPPLY FROM DC 24V
MAX. 2A FOR ALL OUTPUTS 4XM8-SOCKET

General technical data:

Design of the product		digital I/O modules for operation in the field, IP67 - K20
Type		4 outputs
Design of the slave type		A/B slave (Spec. 3.0)
I/O configuration		7
ID/ID2 code		A/7
Number / I/O sockets		4
Design of the electrical connection / of the inputs and outputs		M8 screw-type terminals
AS interface / total current input / max	mA	45
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
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.
Note 2		This module requires a master according to AS-i specifications 3.0

Inputs:		
Number of digital inputs		0
Input circuit		PNP transistor
Outputs:		
Number of digital outputs		4
Voltage type / 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 the digital output / for signal <1> / nominal value	A	1
Outputs / aggregate current <ul style="list-style-type: none"> • max • at Tu=40 °C / max 	A	2
	A	2
Design of the switching output		PNP transistor
Design of the pin assignment / of the outputs		standard assignement
Outputs / socket assignment		3 = "-", 2 = output
Characteristic feature of the output / short-circuit protected		Yes
Outputs <ul style="list-style-type: none"> • short-ciruit protection • induction protection • watchdog 		built-in built-in built-in
Status display		
<ul style="list-style-type: none"> • display of I/Os • display of Uaux • display of AS-Interface/diagnostics 		yellow LED green LED green/red dual LED
Assignment of data bits		
<ul style="list-style-type: none"> • socket • socket 2 • socket 3 • socket 4 		PIN 4 = OUT1 (D0) PIN 4 = OUT2 (D1) PIN 4 = OUT3 (D2) PIN 4 = OUT4 (D3)
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		requested
Approvals		UL and CSA requested

General Product Approval



Test Certificates

[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

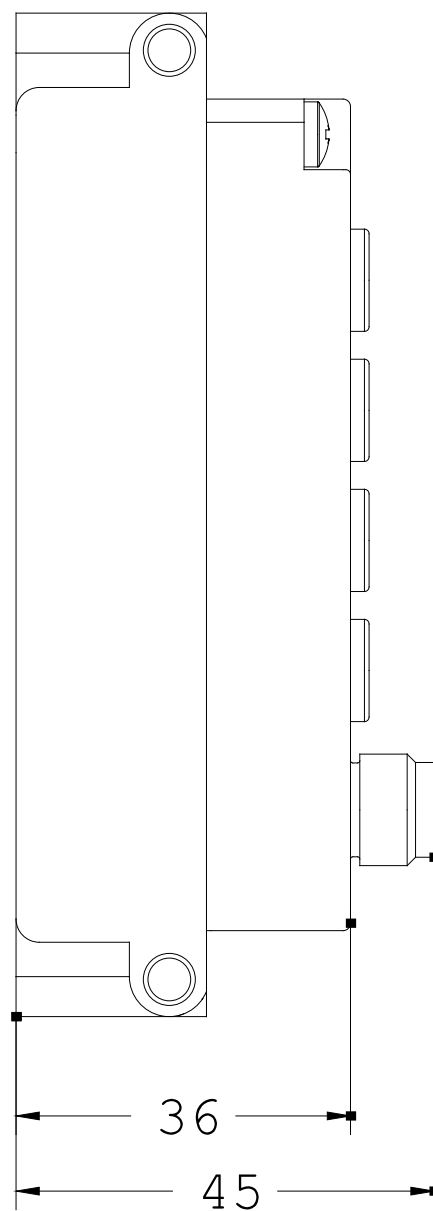
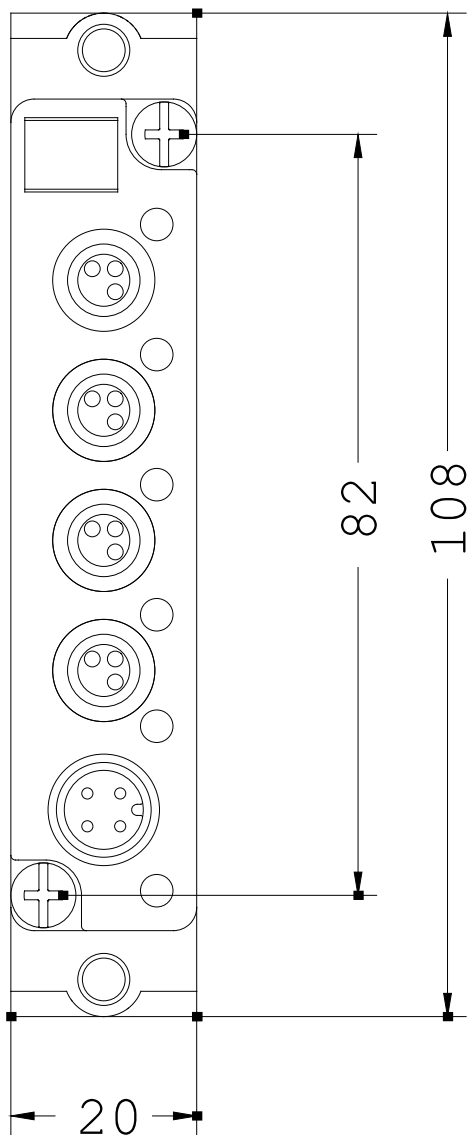
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK2100-1CT30-0AA3/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK2100-1CT30-0AA3



last change:

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