

AS-i compact module K20 digital A/B slave, 4 DQ, IP67 4 x output, 1 A 24 V DC max. 1 A for all outputs 4 x M8 socket



Figure similar

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
Type of electrical connection of the inputs and outputs	M8 screw-type terminals
AS interface total current input max	45 mA
operating voltage according to AS-Interface spezifikation	26.5 ... 31.6 V
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
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
Ampacity of the semiconductor output at DC-13 at 24 V	1 A
Outputs aggregate current	
• max	2 A
• at Tu=40 °C max	2 A
Type of switching output	PNP transistor
Design of the pin assignment of the outputs	standard assignment
Outputs socket assignment	3 = "-", 2 = output
Property of the output Short-circuit proof	Yes
Outputs	
• short-circuit protection	built-in
• induction protection	built-in
• watchdog	built-in

Display

Status display	
• display of I/Os	yellow LED
• display of Uaux	green LED
• display of AS-Interface/diagnostics	green/red dual LED

Assignment of the data bits

Assignment of data bits	
• socket	PIN 4 = OUT1 (D0)
• socket 2	PIN 4 = OUT2 (D1)
• socket 3	PIN 4 = OUT3 (D2)
• socket 4	PIN 4 = OUT4 (D3)

Ambient conditions

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

Mechanical data

Width	20 mm
--------------	-------

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

Certificates/approvals

General Product Approval			EMC	Declaration of Conformity	
					Miscellaneous
CSA	UL		RCM	EG-Konf.	

Test Certificates	Shipping Approval			other	
Special Test Certificate	 ABS	 PRS	 RMRS	 ASi	Confirmation

other
Miscellaneous

Further information

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK2100-1CT30-0AA3>

Cax online generator

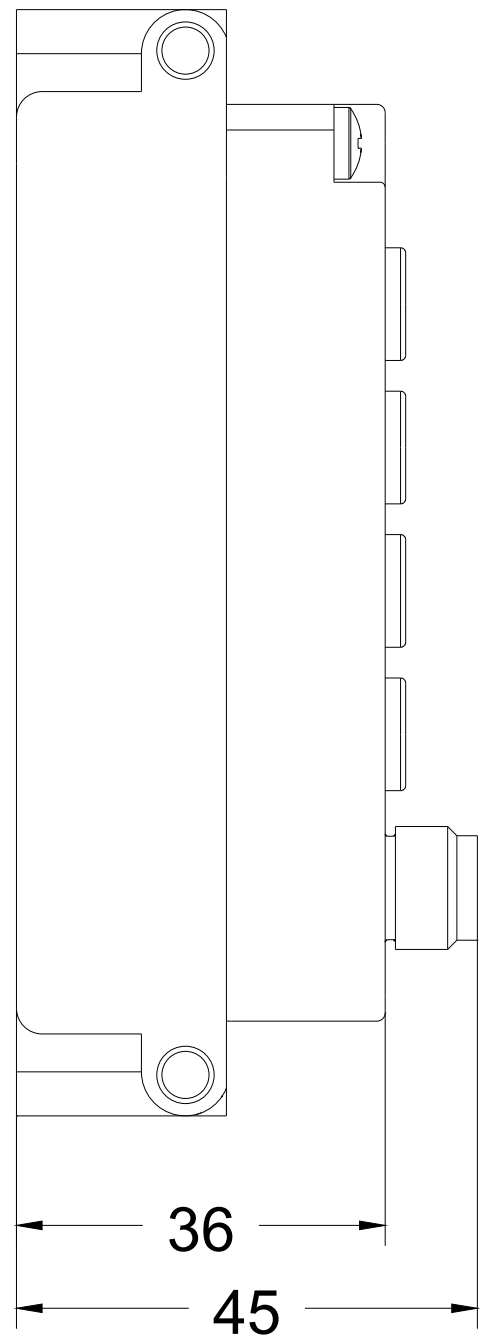
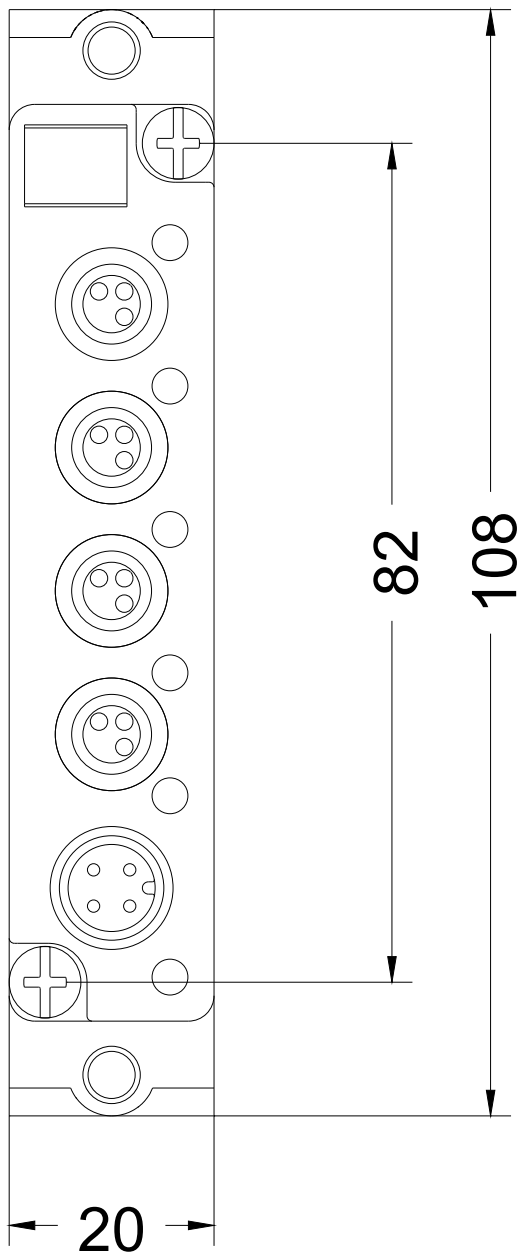
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2100-1CT30-0AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK2100-1CT30-0AA3>

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

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



last modified:

10/22/2019