



Figure similar

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

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 specification	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 = "-", 4 = 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
- display of Uaux
- display of AS-Interface/diagnostics

yellow LED
green LED
green/red dual LED

Assignment of the data bits

Assignment of data bits

- 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 operation
- during storage

-25 ... +70 °C

-40 ... +85 °C

protection class IP

IP67

Mechanical data

width

20 mm

height

108 mm

depth

45 mm

fastening method

no mounting plate required

shock resistance

15g / 11 ms

Certificates/ approvals

General Product Approval

EMC

Declaration of
Conformity



[Confirmation](#)



Test Certificates

Marine / Shipping

other

[Special Test Certificate](#)



[Confirmation](#)

[Miscellaneous](#)

other

[Miscellaneous](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

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

Cax online generator

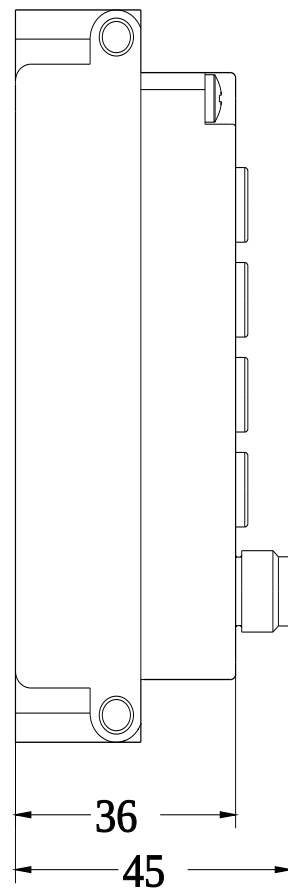
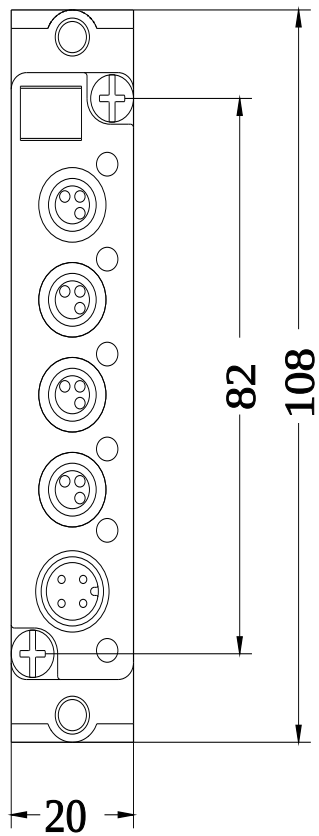
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2100-1CT30-0AA3>

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



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