



AS-i compact module K20 digital A/B device, 4 DI, IP67, 4 x input, maximum 200 mA 4 x M8 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/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	270 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
Sensor supply	
type of voltage supply for sensor supply	using AS-Interface
input voltage	16.5 ... 30 V
property of the sensor supply short-circuit and overload resistant	Yes
ampacity of the sensor supply for all inputs	
• at ambient temperature 40 °C	200 mA
• at ambient temperature 55 °C	150 mA
Inputs	
number of digital inputs	4
type of connection technology	2- and 3-wire technology
Input circuit	PNP transistor
type of voltage of the input voltages	DC
Inputs switching level High min	10 V
input current at digital input	
• for signal <1> minimum	6 mA
• with signal <0> maximum	1.5 mA
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	standard assignment
Outputs	
number of digital outputs	0
Display	
Status display	

- | | |
|---|--|
| <ul style="list-style-type: none"> • display of I/Os • display of Uaux • display of AS-Interface/diagnostics | yellow LED
not required
green/red dual LED |
|---|--|

Assignment of the data bits

Assignment of data bits

- | | |
|--|--|
| <ul style="list-style-type: none"> • socket • socket 2 • socket 3 • socket 4 | PIN 4 = IN1 (D0)
PIN 4 = IN2 (D1)
PIN 4 = IN3 (D2)
PIN 4 = IN4 (D3) |
|--|--|

Ambient conditions

ambient temperature

- | | |
|--|----------------------------------|
| <ul style="list-style-type: none"> • 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

EMV



[KC](#)

Test Certificates

Maritime application

other

[Special Test Certificate](#)



[Confirmation](#)

other

Environment

Industrial Communication

[Miscellaneous](#)

[Environmental Conformations](#)



Further information

Information on the packaging

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

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3RK2200-0CT30-0AA3>

Cax online generator

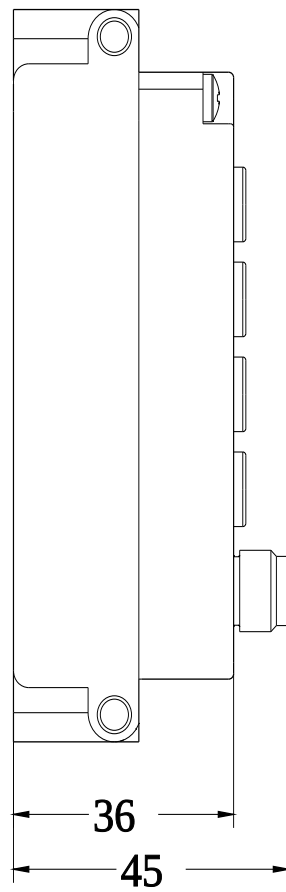
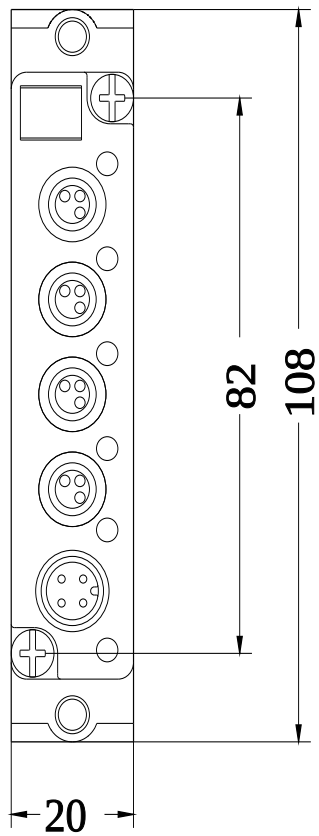
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2200-0CT30-0AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK2200-0CT30-0AA3>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2200-0CT30-0AA3&lang=en



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