



AS-i compact module K20 digital A/B slave, 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 power 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	
-----------------------	--

- 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

- 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

- 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

[Special Test Certificate](#)



other



[Confirmation](#)

[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=3RK2200-0CT30-0AA3>

Cax online generator

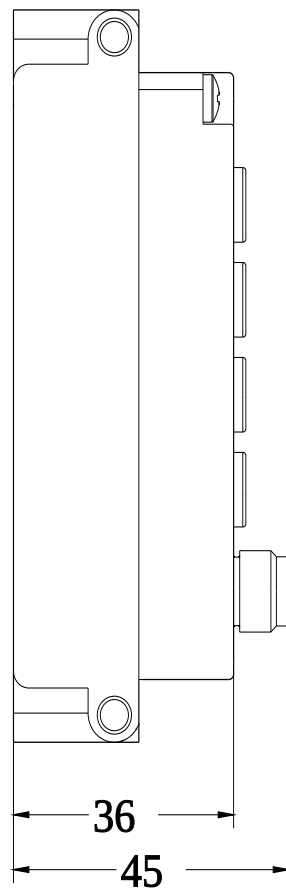
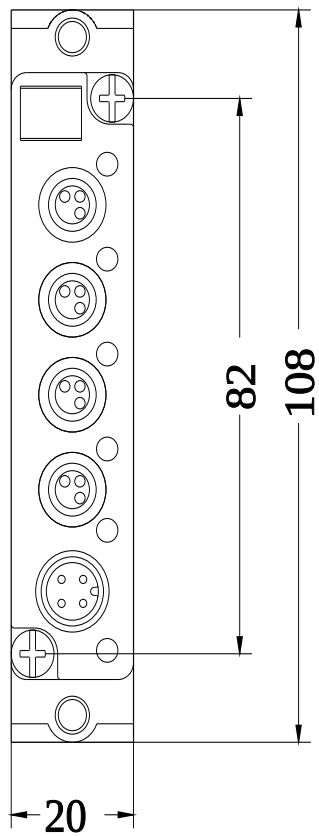
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2200-0CT30-0AA3>

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, ...)

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



last modified:

3/11/2021 [🔗](#)