MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

3RK2200-0DQ00-0AA3

EIGHT-INPUT AS-I COMPACT MODULE

Used with the applicable AS-Interface K60 configuration.

REFERENCE PACKAGE

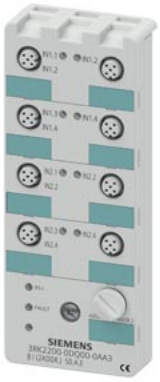
OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens 3RK2200-0DQ00-0AA3 technical data and applicable product instructions

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Data sheet 3RK2200-0DQ00-0AA3



AS-i compact module K60 digital A/B slave, 8 DI, IP67 8 x inputs, maximum 200 mA 8 x M12 socket Y-II assignment Mounting plate 3RK1901-0CA00 must be ordered separately

General technical data	
design of the product	digital I/O modules for operation in the field, IP67 - K60
Type	8 inputs
design of the slave type	A/B slave
I/O configuration	0
ID/ID2 code	A/E
Number I/O sockets	8
type of electrical connection of the inputs and outputs	M12 screw-type terminals
AS interface total current input max	270 mA
operating voltage according to AS-Interface spezification	26.5 ... 31.6 V
Ground terminal	PIN5 of each M12 socket is connected to the grounding wrist strap in the mounting plate using a pin
Addressing	front addressing socket
Delivery note	the modules are delivered without mounting plate
note	module requires two addresses
Sensor supply	
type of voltage supply for power supply	using AS-Interface
input voltage	20 ... 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
Inputs	
number of digital inputs	8
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
● socket assignment	
— PIN 1	sensor supply L+
— PIN 2	data input II
— PIN 3	sensor supply L-
— PIN 4	data input I
— PIN 5	ground terminal
design of the pin assignment of the inputs	Y-II assignement
Outputs	

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number of digital outputs	0
Outputs external power supply 24 V DC	not required
Outputs	
● watchdog	not required
Assignment of the data bits	
Assignment of data bits	
● socket	PIN 4 = IN1 (D0) (addr. 1), PIN 2 = IN2 (D1) (addr. 1)
● socket 2	PIN 4 = IN2 (D1) (addr. 1)
● socket 3	PIN 4 = IN3 (D2) , PIN 2 = IN4 (D3)
● socket 4	PIN 4 = IN4 (D3) (addr. 1)
● socket 5	PIN 4 = IN1 (D0) (addr. 2), PIN 2 = IN2 (D1) (addr. 2)
● socket 6	PIN4 = IN2 (D1) (addr. 2)
● socket 7	PIN4 = IN3 (D2) (addr. 2), PIN2 = IN4 (D3) (addr. 2)
● socket 8	PIN4 = IN4 (D3) (addr. 2)
Ambient conditions	
ambient temperature	
● during operation	-25 ... +85 °C
● during storage	-40 ... +85 °C
protection class IP	IP67
Display	
Status display	
● display of I/Os	yellow LED
● display of Uaux	not required
● display of AS-Interface/diagnostics	green/red LED
Mechanical data	
width	60 mm
height	152 mm
depth	29 mm
fastening method	standard rail mounting/wall mounting using mounting plate for K60 compact module
shock resistance	15g / 11 ms

Certificates/ approvals

General Product Approval	EMC	Declaration of Conformity
Confirmation	RCM	EG-Konf.

Marine / Shipping	other
BUREAU VERITAS, LRS, PRS, DNV-GL, ASi	Confirmation

other

Miscellaneous

Further information

Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).
Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information- and Downloadcenter (Catalogs, Brochures,…)

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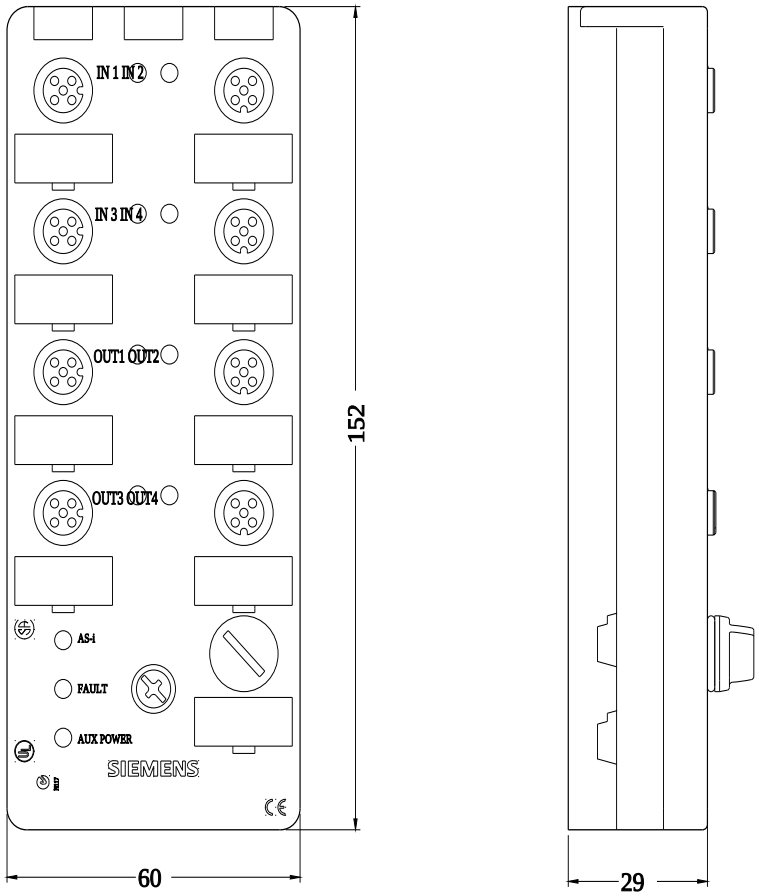
https://www.siemens.com/ic10

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK2200-0DQ00-0AA3

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2200-0DQ00-0AA3

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK2200-0DQ00-0AA3

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2200-0DQ00-0AA3&lang=en



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