SIEMENS

Data sheet 3RK2200-1DQ00-1AA3



AS-i Compact Module K60 digital A/B device, 8 DI, IP67, 8 x input, maximum 2000 mA sensor supply 24 V DC 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	45 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 sensor supply	via AUX POWER
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	2 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	

Subject to change without notice
© Copyright Siemens

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

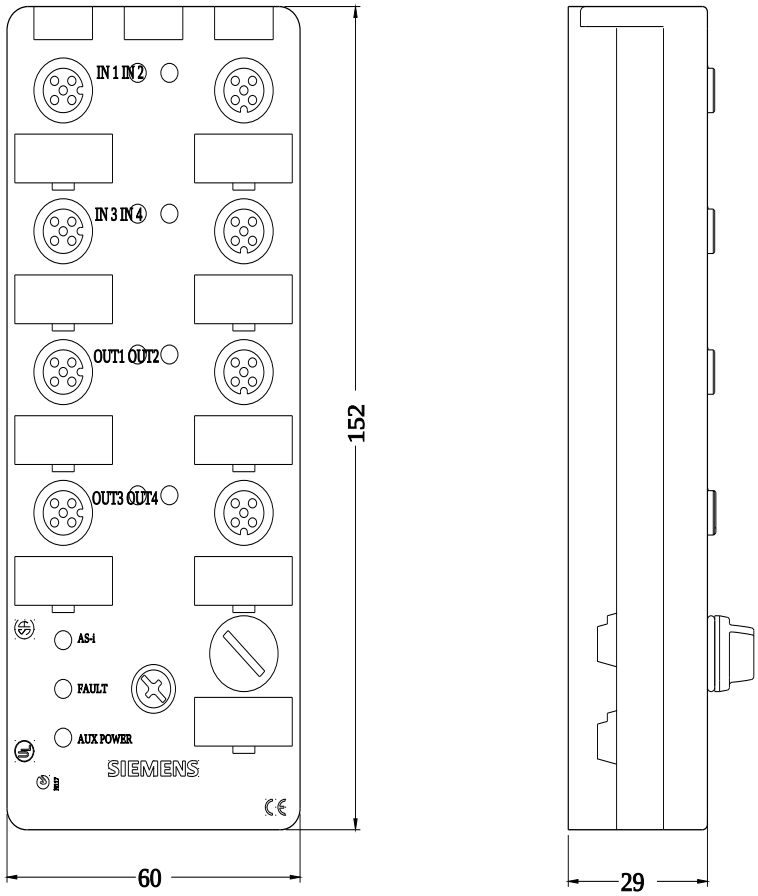
General Product Approval				EMV	Maritime application
UKCA	CE EG-Konf.	UL	EAC	RCM	PRS

other			Environment	Industrial Communication
产品合格 QC PASS	Confirmation	Miscellaneous	Environmental Confirmations	ASi

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=3RK2200-1DQ00-1AA3
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2200-1DQ00-1AA3
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK2200-1DQ00-1AA3
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2200-1DQ00-1AA3&lang=en

Subject to change without notice
© Copyright Siemens



last modified: 4/1/2025

Subject to change without notice
© Copyright Siemens