

AS-i compact module K60 digital 4 DI/4 DQ, IP67 4 x input, maximum 200 mA 4 x output, 2 A, 24 V DC maximal 4 A for all outputs 8 x M12 socket Y-II assignment Mounting plate 3RK1901-0CA00 must be ordered separately

General technical data	
<b>design of the product</b>	digital I/O modules for operation in the field, IP67 - K60
<b>Type</b>	4 inputs / 4 outputs
<b>design of the slave type</b>	standard slave
<b>I/O configuration</b>	7
<b>ID/ID2 code</b>	F/F
<b>Number I/O sockets</b>	8
<b>type of electrical connection of the inputs and outputs</b>	M12 screw-type terminals
<b>AS interface total current input max</b>	270 mA
<b>operating voltage according to AS-Interface specification</b>	26.5 ... 31.6 V
<b>Ground terminal</b>	PIN5 of each M12 socket is connected to the grounding wrist strap in the mounting plate using a pin
<b>Addressing</b>	front addressing socket
<b>Delivery note</b>	the modules are delivered without mounting plate
<b>Note 2</b>	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.
Sensor supply	
<b>type of voltage supply for sensor supply</b>	using AS-Interface
<b>input voltage</b>	20 ... 30 V
<b>property of the sensor supply short-circuit and overload resistant</b>	Yes
<b>ampacity of the sensor supply for all inputs</b>	
• at ambient temperature 40 °C	200 mA
Inputs	
<b>number of digital inputs</b>	4
<b>type of connection technology</b>	2- and 3-wire technology
<b>Input circuit</b>	PNP transistor
<b>type of voltage of the input voltages</b>	DC
<b>Inputs switching level High min</b>	10 V
<b>input current at digital input</b>	
• for signal <1> minimum	6 mA
• with signal <0> maximum	1.5 mA
<b>Inputs</b>	
• 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 assignment
<b>Outputs</b>	
number of digital outputs	4
type of voltage of output voltages	DC
Outputs external power supply 24 V DC	using black AS-Interface flat cable
ampacity of the semiconductor output at DC-13 at 24 V	2 A
Outputs aggregate current max	4 A
type of switching output	PNP transistor
design of the pin assignment of the outputs	Y-II assignment
Outputs socket assignment	3 = "-", 2/4 = output, 5 = ground terminal
property of the output short-circuit proof	Yes
Outputs	
• short-circuit protection	built-in
• induction protection	built-in
• watchdog	built-in

<b>Assignment of the data bits</b>	
Assignment of data bits	
• socket	PIN 4 = IN1 (D0), PIN 2 = IN2 (D1)
• socket 2	PIN 4 = IN2 (D1)
• socket 3	PIN 4 = IN3 (D2), PIN 2 = IN4 (D3)
• socket 4	PIN 4 = IN4 (D3)
• socket 5	PIN4 = OUT1 (D0), PIN2 = OUT2 (D1)
• socket 6	PIN4 = OUT2 (D1)
• socket 7	PIN4 = OUT3 (D2), PIN2 = OUT4 (D3)
• socket 8	PIN4 = OUT4 (D3)

<b>Ambient conditions</b>	
ambient temperature	
• during operation	-25 ... +85 °C
• during storage	-40 ... +85 °C
protection class IP	IP67

<b>Display</b>	
Status display	
• display of I/Os	yellow LED
• display of Uaux	green LED
• display of AS-Interface/diagnostics	green/red LED

<b>Mechanical data</b>	
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

<b>Certificates/ approvals</b>	
General Product Approval	EMV



[KC](#)

Test Certificates	Maritime application	other
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[Special Test Certificate](#)



[Confirmation](#)

other	Environment	Industrial Communication
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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=3RK1400-1DQ00-0AA3>

Cax online generator

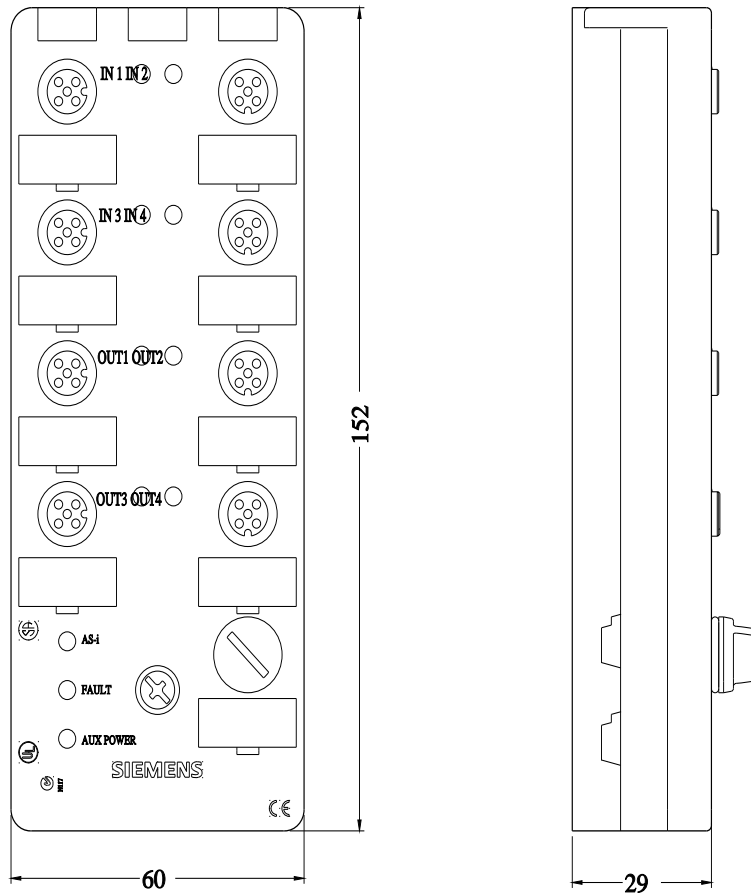
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1400-1DQ00-0AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1400-1DQ00-0AA3>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1400-1DQ00-0AA3&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1400-1DQ00-0AA3&lang=en)



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