

AS-i compact module K60 digital A/B slave, 4 DI/4 DQ, IP67 4 x input, max. 1000 mA Sensor supply 24 V DC 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>	A/B slave (Spec. 3.0)
<b>I/O configuration</b>	7
<b>ID/ID2 code</b>	A/7
<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>	60 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 power supply</b>	via AUX POWER
<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	1 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	EMC	Declaration of Conformity

[Confirmation](#)



Marine / Shipping	other
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[Confirmation](#)

[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,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK2400-1DQ00-1AA3>

Cax online generator

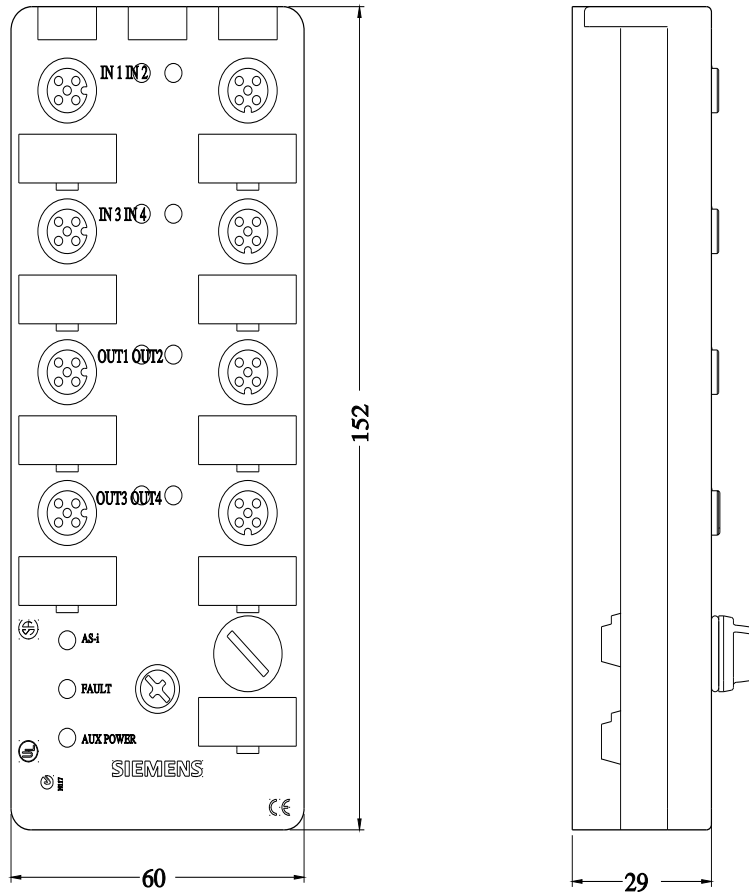
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2400-1DQ00-1AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK2400-1DQ00-1AA3>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK2400-1DQ00-1AA3&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2400-1DQ00-1AA3&lang=en)



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