

AS-i compact module K60 digital 4 DI/4 DQ, IP68 4 x input, maximum 200 mA 4 x output, 2 A, 24 V DC maximal 4 A for all outputs 8 x M12 sockets 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	4 inputs / 4 outputs
design of the slave type	standard slave
I/O configuration	7
ID/ID2 code	0/F
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 specification	18 ... 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	M12 plug
Delivery note	the modules are delivered without mounting plate
Note 2	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	
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	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
• socket assignment	
— PIN 1	sensor supply L+
— PIN 2	data input I
— PIN 3	sensor supply L-
— PIN 4	data input I
— PIN 5	ground terminal

design of the pin assignment of the inputs	standard assignment
Outputs	
number of digital outputs	4
type of voltage of output voltages	DC
Outputs external power supply 24 V DC	shared round cable connection with AS-Interface connection through M12 female connector
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	standard assignment
Outputs socket assignment	3 = "-", 4 = output, 5 = ground terminal
property of the output short-circuit proof	Yes
Outputs	
<ul style="list-style-type: none"> • short-circuit protection • induction protection • watchdog 	<ul style="list-style-type: none"> built-in built-in built-in

Assignment of the data bits	
Assignment of data bits	
<ul style="list-style-type: none"> • socket • socket 2 • socket 3 • socket 4 • socket 5 • socket 6 • socket 7 • socket 8 	<ul style="list-style-type: none"> PIN 2/4 = IN1 (D0) PIN 2/4 = IN2 (D1) PIN2/ 4 = IN3 (D2) PIN 2/4 = IN4 (D3) PIN4 = OUT1 (D0) PIN4 = OUT2 (D1) PIN4 = OUT3 (D2) PIN4 = OUT4 (D3)

Ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage 	<ul style="list-style-type: none"> -25 ... +85 °C -40 ... +85 °C
protection class IP	IP68/IP69K

Display	
Status display	
<ul style="list-style-type: none"> • display of I/Os • display of Uaux • display of AS-Interface/diagnostics 	<ul style="list-style-type: none"> yellow LED green LED 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](#)



Test Certificates	Marine / Shipping	other
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[Special Test Certificate](#)



other

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=3RK1400-1CR00-0AA3>

Cax online generator

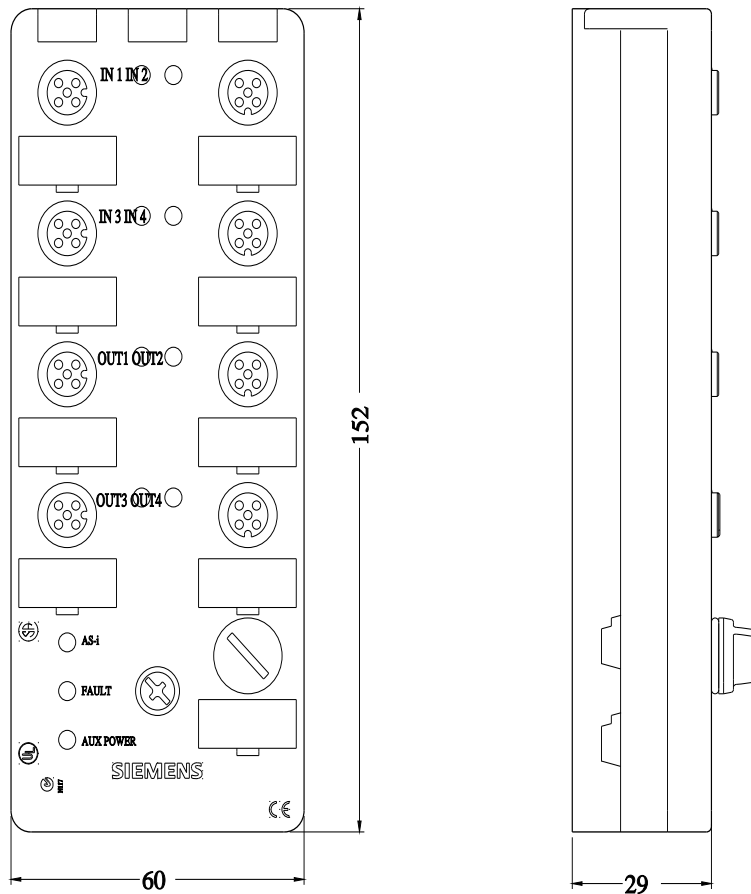
<http://support.automation.siemens.com/WWW/CAXorder/default.aspx?lang=en&mlfb=3RK1400-1CR00-0AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1400-1CR00-0AA3>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1400-1CR00-0AA3&lang=en



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