

AS-I COMPACT MODULE K60, IP67, A/B-SLAVE (SPEC 3.0), DIGITAL, 4DI/4DO, 4X INPUT FOR SENSOR (MECHAN., 2-WIRE, 3-WIRE), PNP, SENSOR SUPPLY FROM U\_ASI MAX. TOTAL 200mA; 4 X OUTPUT OUTPUT SUPPLY DC 24V; 8 X M12-SOCKET Y-II-ASSIGNMENT; MOUNTING PLATE 3RK19010CA00 TO BE ORDERED SEPARATELY

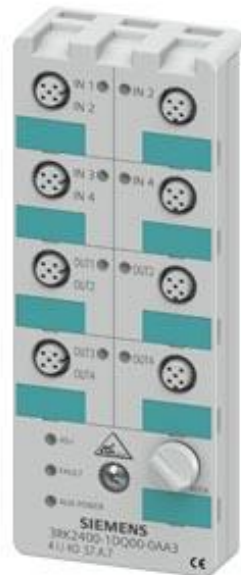


Figure similar

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	A/B slave (Spec. 3.0)
I/O configuration	7
ID/ID2 code	A/7
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	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 1	All K60 compact modules are delivered with stainless steel screws/sockets

<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

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 <ul style="list-style-type: none"> <li>at ambient temperature 40 °C</li> </ul>	200 mA

### Inputs

Number of digital inputs	4
Type of connection	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 <ul style="list-style-type: none"> <li>for signal &lt;1&gt; minimum</li> <li>with signal &lt;0&gt; maximum</li> </ul>	6 mA 1.5 mA
Inputs <ul style="list-style-type: none"> <li>sensor supply using AS-Interface</li> <li>socket assignment <ul style="list-style-type: none"> <li>— PIN 1</li> <li>— PIN 2</li> <li>— PIN 3</li> <li>— PIN 4</li> <li>— PIN 5</li> </ul> </li> </ul>	short-circuit and overload resistant  sensor supply L+ data input II sensor supply L- data input I ground terminal
Design of the pin assignment of the inputs	Y-II assignement

### Outputs

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 assignement
Outputs socket assignment	3 = "-", 2/4 = output, 5 = ground terminal
Property of the output Short-circuit proof	Yes
Outputs <ul style="list-style-type: none"> <li>short-circuit protection</li> <li>induction protection</li> </ul>	built-in built-in

- watchdog

built-in

## Assignment of the data bits

### Assignment of data bits

- socket
- socket 2
- socket 3
- socket 4
- socket 5
- socket 6
- socket 7
- socket 8

PIN 4 = IN1 (D0), PIN 2 = IN2 (D1)

PIN 4 = IN2 (D1)

PIN 4 = IN3 (D2) , PIN 2 = IN4 (D3)

PIN 4 = IN4 (D3)

PIN4 = OUT1 (D0), PIN2 = OUT2 (D1)

PIN4 = OUT2 (D1)

PIN4 = OUT3 (D2), PIN2 = OUT4 (D3)

PIN4 = OUT4 (D3)

## Ambient conditions

### Ambient temperature

- during operation
- during storage

-25 ... +85 °C

-40 ... +85 °C

### Protection class IP

IP67

## Display

### Status display

- display of I/Os
- display of Uaux
- display of AS-Interface/diagnostics

yellow LED

green LED

green/red LED

## Mechanical data

### Width

60 mm

### Height

152 mm

### Depth

29 mm

### Mounting type

standard rail mounting/wall mounting using mounting plate for K60 compact module

## Certificates/approvals

### AS-Interface certificate

yes (or requested for in case of new units)

### Approvals

UL, CSA, shipbuilding (or requested for in case of new units)

General Product Approval		Declaration of Conformity	Shipping Approval		
--------------------------	--	---------------------------	-------------------	--	--



Shipping Approval	other				
-------------------	-------	--	--	--	--



[Environmental Confirmations](#)

[Confirmation](#)

[Miscellaneous](#)

### Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK2400-1DQ00-0AA3>

**Cax online generator**

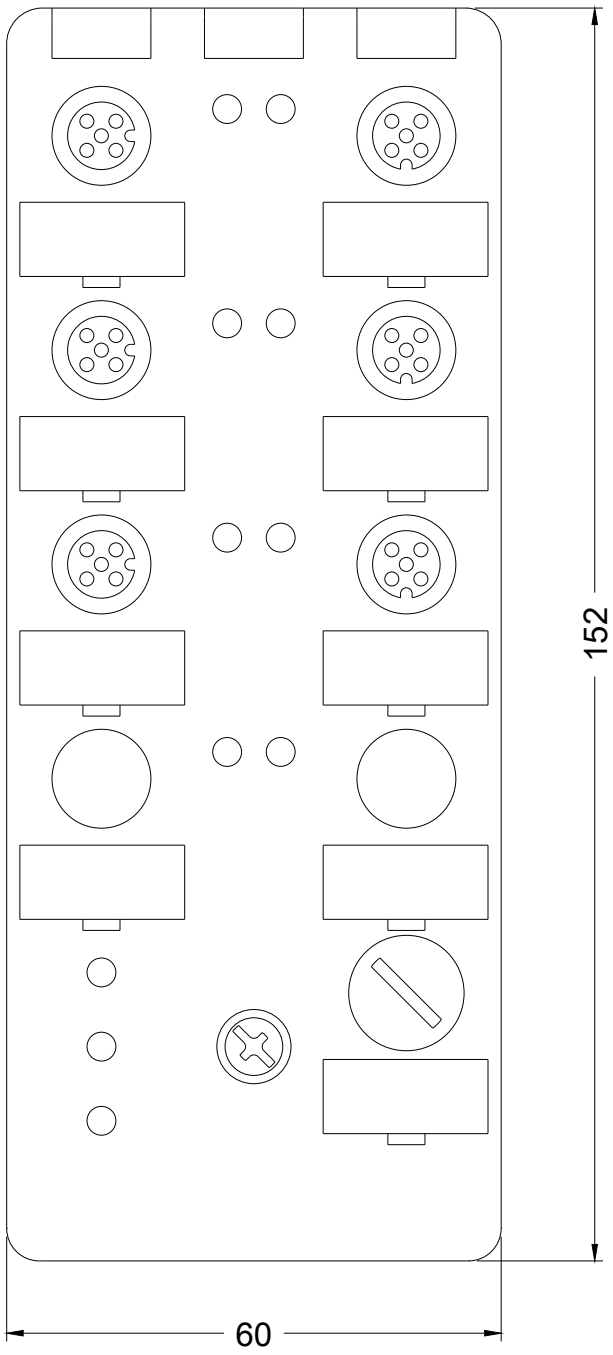
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2400-1DQ00-0AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK2400-1DQ00-0AA3>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK2400-1DQ00-0AA3&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2400-1DQ00-0AA3&lang=en)

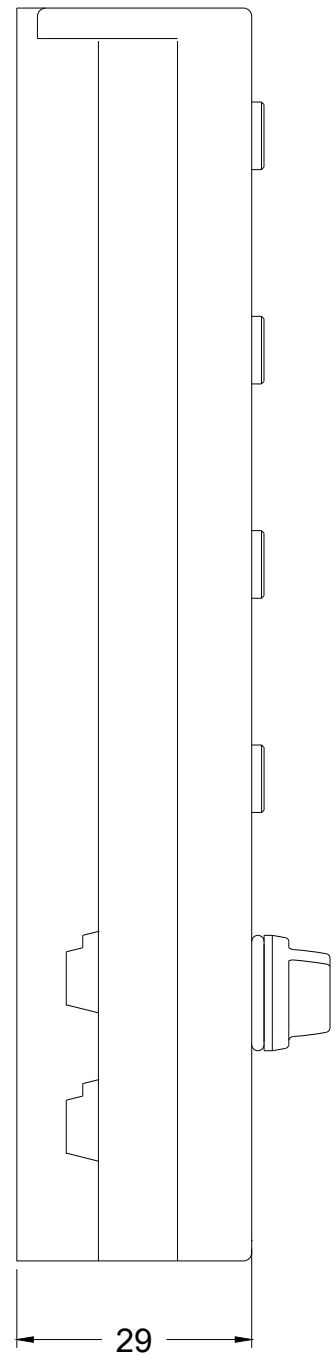


152

60

last modified:

08/11/2017



29