

AS-INTERFACE COMPACT MOD. K60, A/B-SLAVE, DIGITAL, 8I/2O, IP67, 3 X 2 I / 2 X 1I/1O, DC 24V 8 X M12-SOCKET SPECIALLY FOR SENSORS/ACTUATORS WITH DIAGNOSTICS FUNCTION MOUNTING PLATE 3RK1901-0CA00 OR 3RK1901-0CB01 TO BE ORDERED SEPARATELY

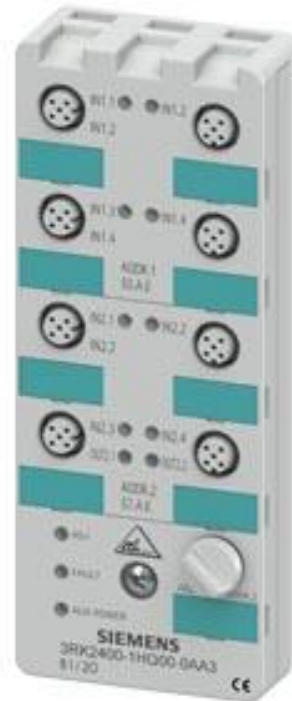


Figure similar

General technical data:

<b>Design of the product</b>		digital I/O modules for operation in the field, IP67 - K60
<b>Type</b>		8 inputs / 2 outputs
<b>Design of the slave type</b>		A/B slave
<b>I/O configuration</b>		0 (addr.1) / 7 (addr.2)
<b>ID/ID2 code</b>		I/O (addr.1 and 2)
<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>	mA	300
operating voltage according to AS-Interface specification	V	26.5 ... 31.6
<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</b>		module requires two addresses
<b>Note 1</b>		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:

<b>Type of voltage supply for power supply</b>		using AS-Interface
<b>Input voltage</b>	V	20 ... 30
<b>Property of the sensor supply Short-circuit and overload resistant</b>		Yes
<b>Ampacity of the sensor supply for all inputs</b>		
<ul style="list-style-type: none"> <li>at ambient temperature 40 °C</li> </ul>	mA	200

#### Inputs:

<b>Number of digital inputs</b>		8
<b>Type of connection</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>	V	10
<b>Input current at digital input</b>		
<ul style="list-style-type: none"> <li>for signal &lt;1&gt; minimum</li> </ul>	mA	6
<ul style="list-style-type: none"> <li>with signal &lt;0&gt; maximum</li> </ul>	mA	1.5
<b>Inputs</b>		
<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
<b>Design of the pin assignment of the inputs</b>		special assignment

#### Outputs:

<b>Number of digital outputs</b>		2
<b>Type of voltage of output voltages</b>		DC
<b>Outputs external power supply 24 V DC</b>		using black AS-Interface flat cable
<b>Output current at digital output for signal &lt;1&gt; Rated value</b>	A	2
<b>Outputs aggregate current max</b>	A	4
<b>Type of switching output</b>		PNP transistor
<b>Design of the pin assignment of the outputs</b>		special assignment
<b>Outputs socket assignment</b>		3 = "-", 4 = output, 5 = ground terminal

<b>Property of the output Short-circuit proof</b>		Yes
<b>Outputs</b>		
<ul style="list-style-type: none"> <li>• short-circuit protection</li> </ul>		built-in
<ul style="list-style-type: none"> <li>• induction protection</li> </ul>		built-in
<ul style="list-style-type: none"> <li>• watchdog</li> </ul>		built-in

#### Assignment of the data bits:

<b>Assignment of data bits</b>		
<ul style="list-style-type: none"> <li>• socket</li> </ul>		PIN 4 = IN1 (D0) (addr. 1), PIN 2 = IN2 (D1) (addr. 1)
<ul style="list-style-type: none"> <li>• socket 2</li> </ul>		PIN 4 = IN2 (D1) (addr. 1)
<ul style="list-style-type: none"> <li>• socket 3</li> </ul>		PIN 4 = IN3 (D2) (addr. 1), PIN 2 = IN4 (D3) (addr. 1)
<ul style="list-style-type: none"> <li>• socket 4</li> </ul>		PIN 4 = IN4 (D3) (addr. 1)
<ul style="list-style-type: none"> <li>• socket 5</li> </ul>		PIN 4 = IN1 (D0) (addr. 2), PIN 2 = IN2 (D1) (addr. 2)
<ul style="list-style-type: none"> <li>• socket 6</li> </ul>		PIN4 = IN2 (D1) (addr. 2)
<ul style="list-style-type: none"> <li>• socket 7</li> </ul>		PIN4 = OUT1 (D0) (addr. 2), PIN3 = IN3 (D2) (addr. 2)
<ul style="list-style-type: none"> <li>• socket 8</li> </ul>		PIN4 = OUT2 (D1) (addr. 2), PIN2 = IN4 (D3) (addr. 2)

#### Ambient conditions:

<b>Ambient temperature</b>		
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	°C	-25 ... +85
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	°C	-40 ... +85
<b>Protection class IP</b>		IP67

#### Display:

<b>Status display</b>		
<ul style="list-style-type: none"> <li>• display of I/Os</li> </ul>		yellow LED
<ul style="list-style-type: none"> <li>• display of Uaux</li> </ul>		green LED
<ul style="list-style-type: none"> <li>• display of AS-Interface/diagnostics</li> </ul>		green/red LED

#### Mechanical data:

<b>Width</b>	mm	60
<b>Height</b>	mm	152
<b>Depth</b>	mm	29
<b>Mounting type</b>		standard rail mounting/wall mounting using mounting plate for K60 compact module

#### Certificates/ approvals:

<b>AS-Interface certificate</b>		yes (or requested for in case of new units)
<b>Approvals</b>		UL, CSA, shipbuilding (or requested for in case of new units)

General Product Approval	Declaration of Conformity	Shipping Approval
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Shipping Approval	other
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[Environmental Confirmations](#)

[Confirmation](#)

[Miscellaneous](#)

### Further information

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

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

**Industry Mall (Online ordering system)**

<http://www.siemens.com/industrymall>

**Cax online generator**

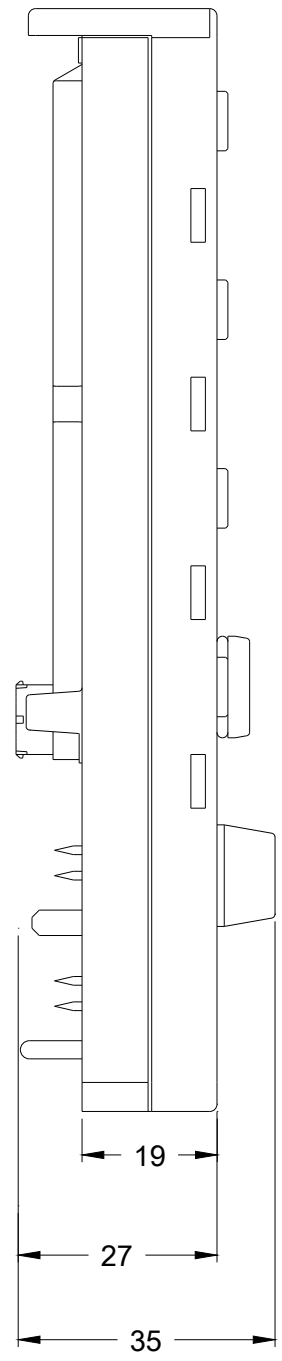
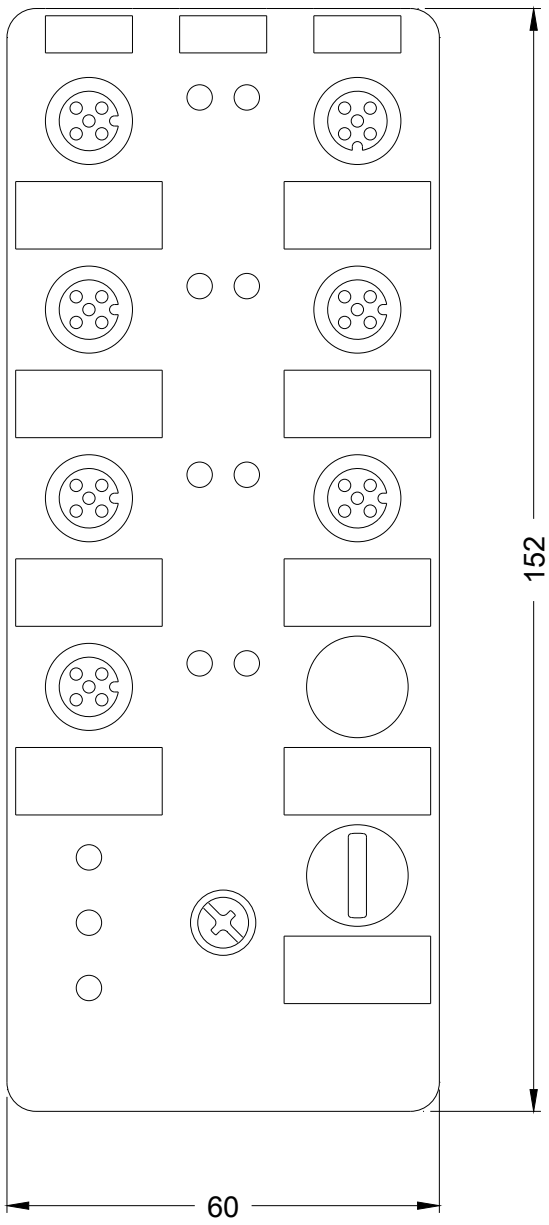
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2400-1HQ00-0AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK2400-1HQ00-0AA3>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK2400-1HQ00-0AA3&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2400-1HQ00-0AA3&lang=en)



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