



AS-INTERFACE COMPACT MOD. K60, DIGITAL, 4I/4O, IP67, 4 X 1 INPUT, 200MA MAX., PNP 4 X 1 OUTPUT, 2A, DC 24V 4 X M12 STANDARD SOCKET 4 X M12 SOCKET M. Y-II ASSIGNM. FOR INPUT/OUTPUT CONNECTIONS, 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		standard slave
I/O configuration		7
ID/ID2 code		F/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	mA	270
operating voltage according to AS-Interface spezifikation	V	26.5 ... 31.6
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.
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#### 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
Ampacity of the sensor supply for all inputs <ul style="list-style-type: none"> <li>• at ambient temperature 40 °C</li> </ul>	mA	200

#### Inputs:

<b>Number of digital inputs</b>		4
<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
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>	mA mA	6 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>		Y-II assignement

#### Outputs:

<b>Number of digital outputs</b>		4
<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>		Y-II assignement
<b>Outputs socket assignment</b>		3 = "-", 2/4 = 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

- induction protection
- watchdog

	built-in
	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

°C	-25 ... +85
°C	-40 ... +85

#### 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:

<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	Test Certificates	Shipping Approval
 CSA	 UL		 EG-Konf.	<a href="#">spezielle Prüfbescheinigung</a> <u>n</u>
				 ABS

Shipping Approval					other
 BUREAU VERITAS	 LRS	 PRS	 RINA	 RMRS	<a href="#">Umweltbestätigung</a>

other	
<a href="#">Bestätigungen</a>	<a href="#">sonstig</a>

#### 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

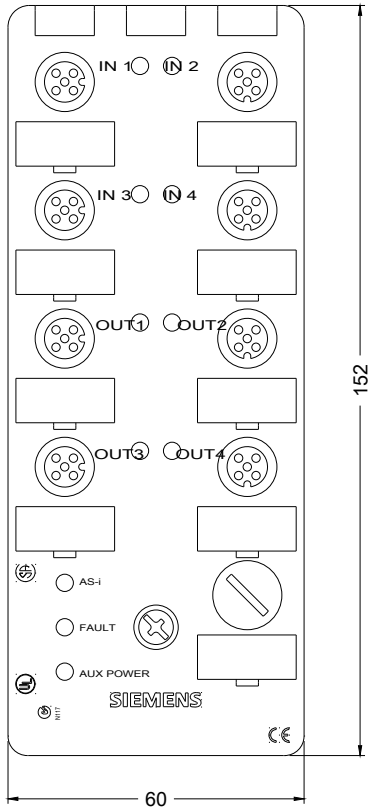
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK14001DQ000AA3>

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

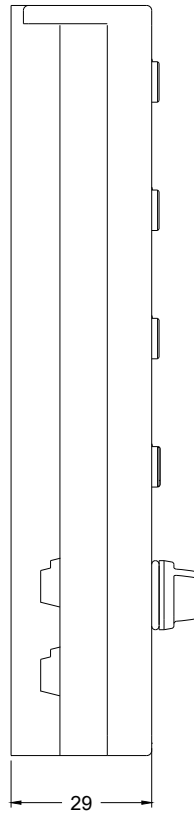
<https://support.industry.siemens.com/cs/ww/en/ps/3RK14001DQ000AA3>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK14001DQ000AA3&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK14001DQ000AA3&lang=en)



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