

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 DC24V MAX. TOTAL 200MA; 4 X OUTPUT OUTPUT SUPPLY DC 24V; 8 X M12-SOCKET Y-II-ASSIGNMENT; MOUNTING PLATE 3RK19010CA00 TO 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		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	mA	60
operating voltage according to AS-Interface specification	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
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		via AUX POWER
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Input voltage	V	20 ... 30
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"> • at ambient temperature 40 °C 	mA	1 000

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	V	10
Input current at digital input <ul style="list-style-type: none"> • for signal <1> minimum • with signal <0> maximum 	mA mA	6 1.5
Inputs <ul style="list-style-type: none"> • sensor supply using AS-Interface • socket assignment <ul style="list-style-type: none"> — PIN 1 — PIN 2 — PIN 3 — PIN 4 — PIN 5 		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
Output current at digital output for signal <1> Rated value	A	2
Outputs aggregate current max	A	4
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"> • short-circuit protection • induction protection • watchdog 		built-in built-in built-in

Assignment of the data bits:

Assignment of data bits <ul style="list-style-type: none"> • socket • socket 2 		PIN 4 = IN1 (D0), PIN 2 = IN2 (D1) PIN 4 = IN2 (D1)
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- socket 3
- socket 4
- socket 5
- socket 6
- socket 7
- socket 8

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	°C	-25 ... +85
• during storage	°C	-40 ... +85
Protection class IP		IP67

Display:

Status display		
• display of I/Os		yellow LED
• display of Uaux		green LED
• display of AS-Interface/diagnostics		green/red LED

Mechanical data:

Width	mm	60
Height	mm	152
Depth	mm	29
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



CSA



GOST



UL



ABS



DNV

Shipping Approval



LRS



PRS



RMRS

other

[Declaration of Conformity](#)

[Environmental Confirmations](#)

[Confirmation](#)

other

[other](#)

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

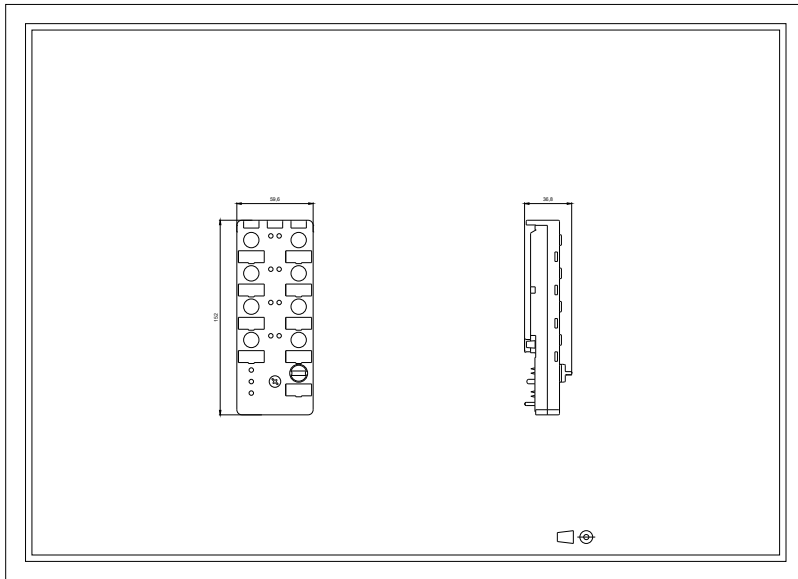
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK24001DQ001AA3>

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

<http://support.automation.siemens.com/WW/view/en/3RK24001DQ001AA3/all>

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

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK24001DQ001AA3&lang=en>



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