



AS-INTERFACE COMPACT MOD. IP67, DIGITAL, 4I/4O, 4 X 1 INPUT, 200MA MAX., PNP 4 X 1 OUTPUT, 2A, DC 24V 8 X M12 STANDARD SOCKET TO CONNECT THE INPUTS/OUTPUTS, 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		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	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
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	V	20 ... 30
Property of the sensor supply Short-circuit and overload resistant		Yes
Ampacity of the sensor supply for all inputs • at ambient temperature 40 °C	mA	200

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 • for signal <1> minimum • with signal <0> maximum	mA mA	6 1.5
Inputs • sensor supply using AS-Interface • socket assignment — PIN 1 — PIN 2 — PIN 3 — PIN 4 — PIN 5		short-circuit and overload resistant sensor supply L+ data input I sensor supply L- data input I ground terminal
Design of the pin assignment of the inputs		standard 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		standard assignement
Outputs socket assignment		3 = "-", 4 = output, 5 = ground terminal
Property of the output Short-circuit proof		Yes

Outputs		
• short-circuit protection		built-in
• induction protection		built-in
• watchdog		built-in

Assignment of the data bits:

Assignment of data bits		
• socket		PIN 2/4 = IN1 (D0)
• socket 2		PIN 2/4 = IN2 (D1)
• socket 3		PIN2/ 4 = IN3 (D2)
• socket 4		PIN 2/4 = IN4 (D3)
• socket 5		PIN4 = OUT1 (D0)
• socket 6		PIN4 = OUT2 (D1)
• socket 7		PIN4 = OUT3 (D2)
• socket 8		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	Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates
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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

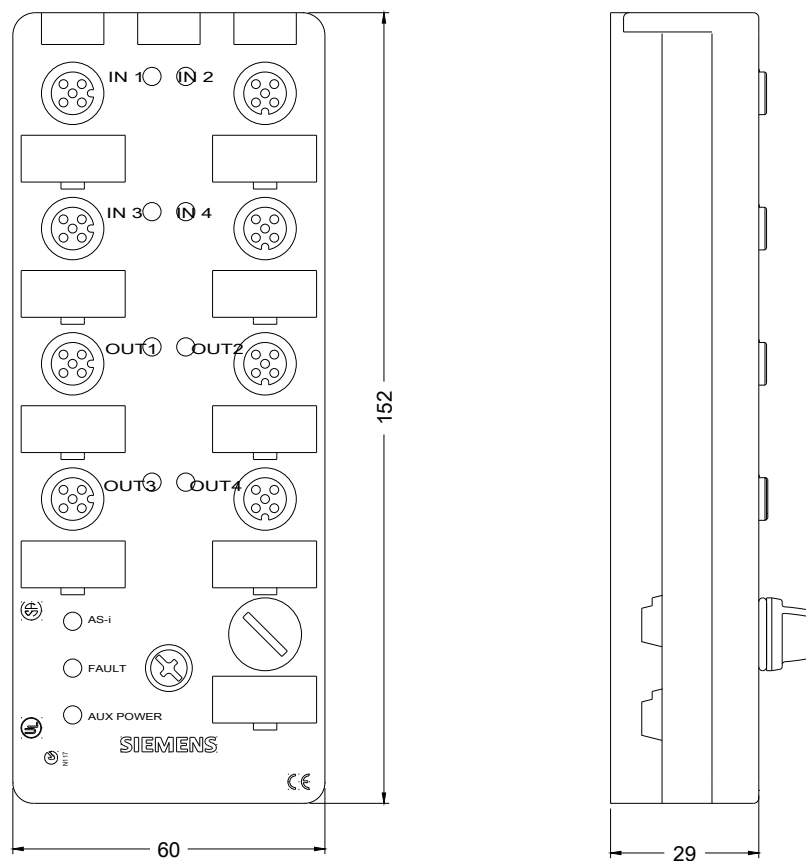
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1400-1CQ00-0AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1400-1CQ00-0AA3>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1400-1CQ00-0AA3&lang=en



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