

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

General technical data:		
Design of the product		digital I/O modules for operation in the field, IP67 - K60
Type		8 inputs / 2 outputs
Design of the slave type		A/B slave
I/O configuration		0 (addr.1) / 7 (addr.2)
ID/ID2 code		I/O (addr.1 and 2)
Number / I/O sockets		8
Design of the electrical connection / of the inputs and outputs		M12 screw-type terminals
AS interface / total current input / max	mA	300
operating voltage	V	26.5 ... 31.6
• according to AS-Interface specification		
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		module requires two addresses
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.
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Sensor supply:		
Type of voltage supply / for the sensor supply		using AS-Interface
Input voltage	V	20 ... 30
Characteristic feature of the sensor supply / short-circuit and overload resistant		Yes
Current carrying capacity / of the sensor supply / for all inputs • at ambient temperature 40 °C	mA	200

Inputs:		
Number of digital inputs		8
Type of connection		2- and 3-wire technology
Input circuit		PNP transistor
Type of / input voltages		DC
Inputs / switching level High / min	V	10
Input current / at the digital input • for signal <1> / minimum • at 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 II sensor supply L- data input I ground terminal
Design of the pin assignment / of the inputs		special assignment

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

Characteristic feature of the output / short-circuit protected		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 4 = IN1 (D0) (addr. 1), PIN 2 = IN2 (D1) (addr. 1)
• socket 2	PIN 4 = IN2 (D1) (addr. 1)
• socket 3	PIN 4 = IN3 (D2) (addr. 1), PIN 2 = IN4 (D3) (addr.1)
• socket 4	PIN 4 = IN4 (D3) (addr. 1)
• socket 5	PIN 4 = IN1 (D0) (addr. 2), PIN 2 = IN2 (D1) (addr. 2)
• socket 6	PIN4 = IN2 (D1) (addr. 2)
• socket 7	PIN4 = OUT1 (D0) (addr. 2), PIN3 = IN3 (D2) (addr. 2)
• socket 8	PIN4 = OUT2 (D1) (addr. 2), PIN2 = IN4 (D3) (addr.2)

Ambient conditions:

Ambient temperature

• during operating	°C	-25 ... +85
• during storage	°C	-40 ... +85

Protection class IP

IP67

Status display:

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

Mechanical design:

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



Shipping Approval



other

[Confirmation](#)

[Declaration of
Conformity](#)

[other](#)

[Environmental
Confirmations](#)

Further information:

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

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

Industry Mall (Online ordering system)

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

CAX-Online-Generator

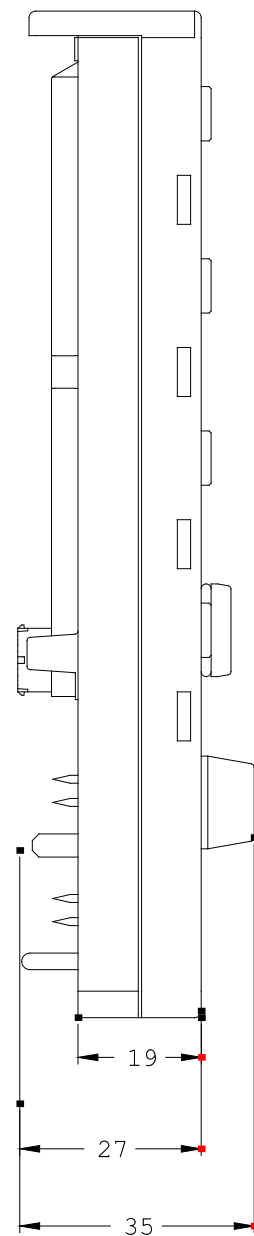
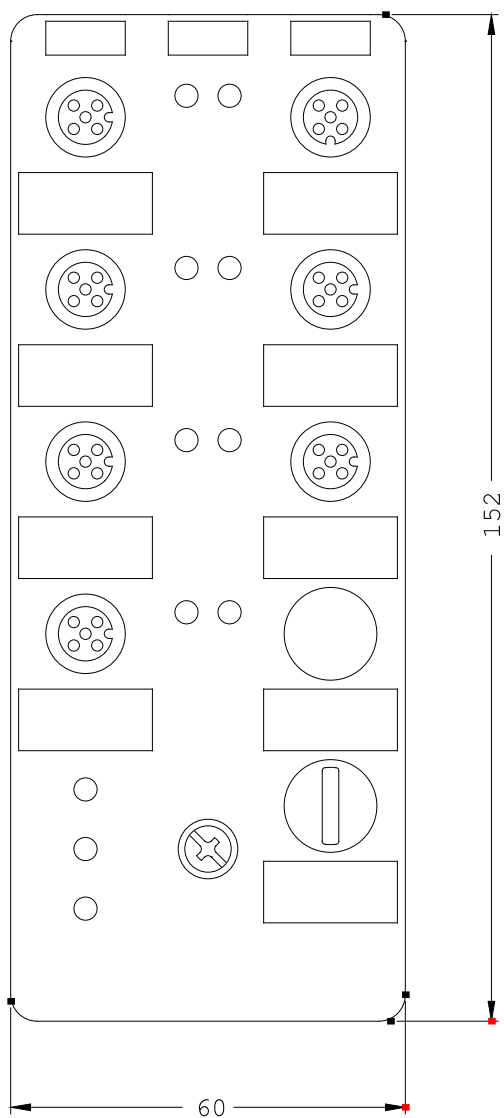
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK2400-1HQ00-0AA3/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK2400-1HQ00-0AA3



last change:

Jun 16, 2014