

AS-INTERFACE COMPACT MOD. IP68 DIGITAL,
4I/4O, 4 X 1 INPUTS, MAX. 200MA, PNP,
4 X 1 OUTPUTS, 2 NC,
DC 24V 8 X M12 STANDARD SOCKET FOR
INPUT/OUTPUT CONNECTION,
MOUNTING PLATE 3RK19010CA00

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
Design of the 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 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 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		4
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 I sensor supply L- data input I ground terminal
Design of the pin assignment / of the inputs		standard assignment

Outputs:		
Number of digital outputs		4
Voltage type / of output voltages		DC
Outputs / external power supply 24 V DC		shared round cable connection with AS-Interface connection through M12 female connector
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		standard 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
- 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 2/4 = IN1 (D0)
PIN 2/4 = IN2 (D1)
PIN2/ 4 = IN3 (D2)
PIN 2/4 = IN4 (D3)
PIN4 = OUT1 (D0)
PIN4 = OUT2 (D1)
PIN4 = OUT3 (D2)
PIN4 = OUT4 (D3)

Ambient conditions:

Ambient temperature

- during operating
- during storage

°C -25 ... +85
°C -40 ... +85

Protection class IP

IP68/IP69K

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



Test Certificates

[Special Test Certificate](#)

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

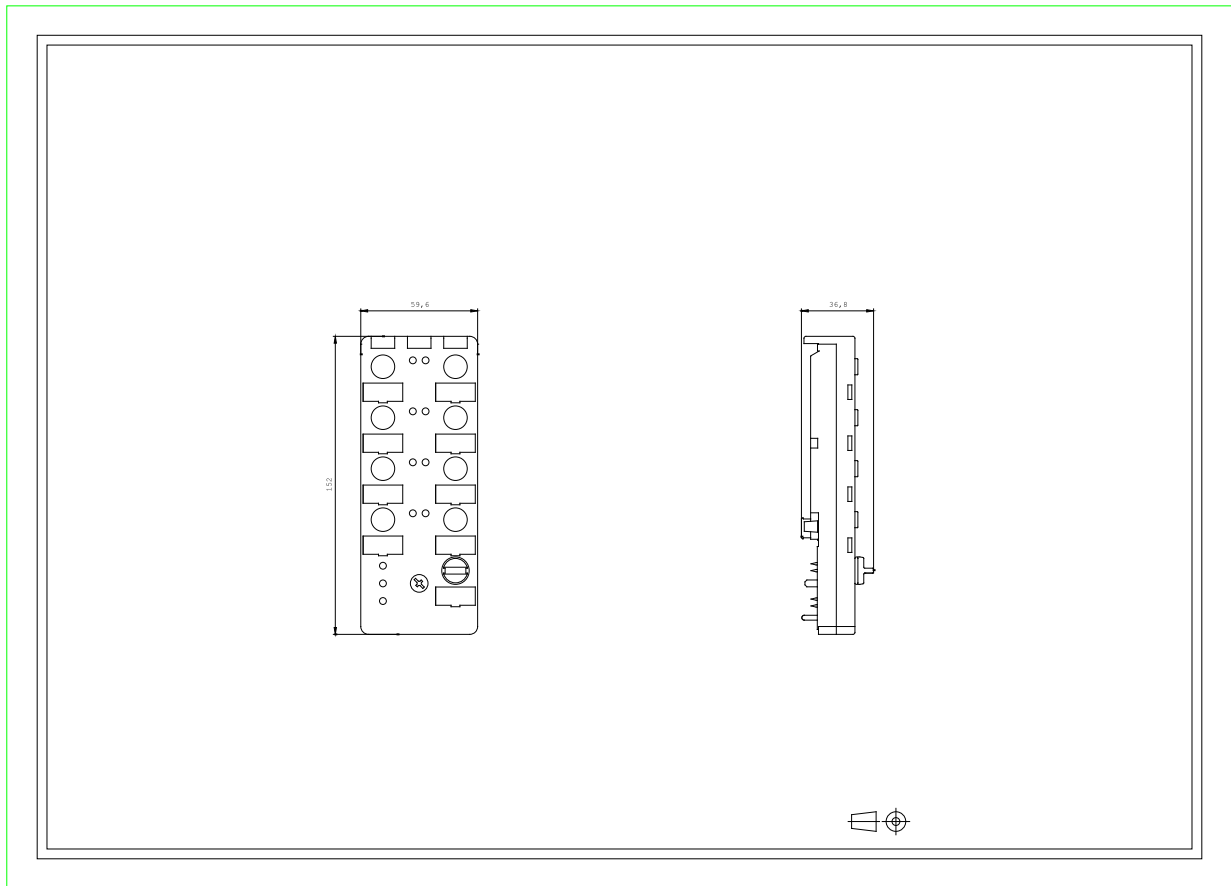
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK1400-1CR00-0AA3/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1400-1CR00-0AA3



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