

AS-INTERFACE COMPACT MODULE K45, A/B SLAVE
(SPEC. 3.0), IP67 DIGITAL, 4X(1DI/1DO), MAX. 200MA
FOR ALL I/O IN TOTAL MOUNTING PLATE
3RK19012EA00 OR 3RK19012DA00 TO BE ORDERED
SEPARATELY

General technical data:

Design of the product		digital I/O modules for operation in the field, IP67 - K45
Type		4 x (1 input / 1 output)
Design of the slave type		A/B slave (Spec. 3.0)
I/O configuration		7
ID/ID2 code		A/7
Number I/O sockets		4
Type of electrical connection of the inputs and outputs		M12 screw-type terminals
AS interface total current input max	mA	270
Total current for all inputs and outputs	mA	200
operating voltage according to AS-Interface specification	V	26.5 ... 31.6
Ground terminal		Using PIN5 on the M12 sockets. Outgoing via flat tab sleeve (2.8 x 0.8 mm form A)
Addressing		front addressing socket
AS interface Connection Polarity reversal protection		built-in
Delivery note		the modules are delivered without mounting plate
Note 1		All K45 compact modules are delivered with stainless steel screws/sockets
Note 2		The maximum current carrying capacity per module for all inputs and all outputs is 200 mA.

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		short-circuit and overload resistant
Inputs socket assignment - PIN 1 - PIN 2 - PIN 3 - PIN 4 - PIN 5		sensor supply L+ output sensor supply L- data input ground terminal
Design of the pin assignment of the inputs		Y assignment

Outputs:

Number of digital outputs		4
Type of voltage of output voltages		DC
Outputs external power supply 24 V DC		not required
Output current at digital output for signal <1> Rated value	mA	200
Outputs aggregate current max	A	0.2
Type of switching output		PNP transistor
Design of the pin assignment of the outputs		Y assignment
Outputs socket assignment		3 = "-", 2 = output, 5 = ground terminal
Property of the output Short-circuit proof		Yes
Outputs - short-circuit protection - induction protection - watchdog		built-in built-in built-in
Status display - display of I/Os - display of Uaux - display of AS-Interface/diagnostics		yellow LED not required green/red dual LED
Assignment of data bits		

- socket
- socket 2
- socket 3
- socket 4

PIN 4 = IN1 (D0), PIN 2 = OUT1 (D0)
 PIN 4 = IN2 (D1), PIN 2 = OUT2 (D1)
 PIN 4 = IN3 (D2), PIN 2 = OUT3 (D2)
 PIN 4 = IN4 (D3), PIN 2 = OUT4 (D3)

Ambient conditions:

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

Mechanical data:

Width	mm	45
Height	mm	80
Depth	mm	30
Mounting type		standard rail mounting/wall mounting using mounting plate for K45 compact module

Certificates/ approvals:

AS-Interface certificate		yes
Approvals		UL and CSA requested

General Product Approval

Shipping Approval



Shipping Approval

other



[Confirmation](#)

[Declaration of Conformity](#)

other

[Environmental Confirmations](#)

[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

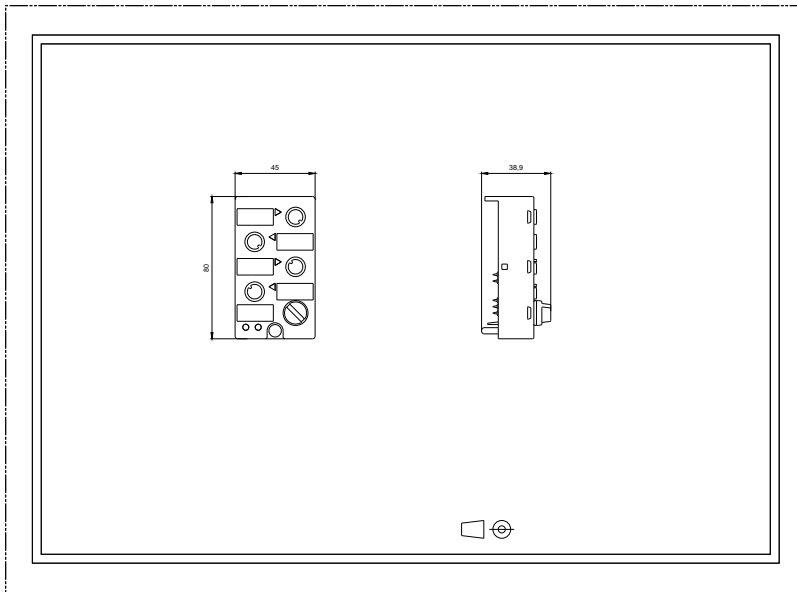
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK24000GQ200AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK24000GQ200AA3>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK24000GQ200AA3&lang=en



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