



AS-INTERFACE COMPACT MODULE K45 A/B-SLAVE, DIGITAL, 3A, IP67, 3 X 1 OUTPUT, 1A, DC 24V
3 X M12-SOCKET STANDARD ASSIGNMENT
MOUNTING PLATE 3RK1901-2EA00 OR 3RK1901-2DA00 TO BE ORDERED SEPARATELY

General technical data:

Design of the product		digital I/O modules for operation in the field, IP67 - K45
Type		3 outputs
Design of the slave type		A/B slave
I/O configuration		8
ID/ID2 code		A/0
Number I/O sockets		3
Type of electrical connection of the inputs and outputs		M12 screw-type terminals
AS interface total current input max	mA	45
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		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:

Ampacity of the sensor supply for all inputs

- at ambient temperature 40 °C

mA	200
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Inputs:

Number of digital inputs		0
Type of connection		2- and 3-wire technology
Input circuit		PNP transistor
Inputs sensor supply using AS-Interface		short-circuit and overload resistant

Outputs:

Number of digital outputs		3
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	1
Outputs aggregate current		
• max	A	3
Type of switching output		PNP transistor
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
Status display		
• display of I/Os		yellow LED
• display of Uaux		green LED
• display of AS-Interface/diagnostics		green/red dual LED
Assignment of data bits		
• socket		PIN 4 = OUT1 (D0)
• socket 2		PIN 4 = OUT2 (D1)
• socket 3		PIN 4 = OUT3 (D2)
• socket 4		not available

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, CSA, shipbuilding

General Product Approval

Shipping Approval



Shipping Approval

other



[Confirmation](#)

[Environmental
Confirmations](#)

[Declaration of
Conformity](#)

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

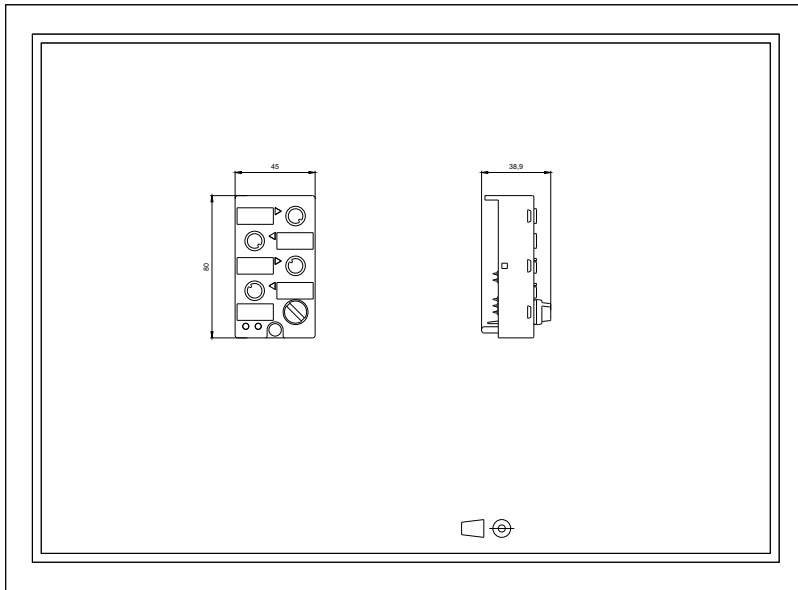
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK21001EQ200AA3>

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

<http://support.automation.siemens.com/WW/view/en/3RK21001EQ200AA3/all>

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

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK21001EQ200AA3&lang=en>



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