

AS-INTERFACE COMPACT MOD. K45, A/B-SLAVE,
IP67, DIGITAL, 4 INPUTS, 4 X 1 INPUT, MAX. 200MA,
PNP, 4 X M12 SOCKETS

General technical data:

Design of the product		digital I/O modules for operation in the field, IP67 - K45
Type		4 inputs
Design of the slave type		A/B slave
I/O configuration		0
ID/ID2 code		A/0
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
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

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
Amcapacity of the sensor supply for all inputs		

- at ambient temperature 40 °C

mA	200
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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	mA	6
• with signal <0> maximum	mA	1.5
Inputs sensor supply using AS-Interface		short-circuit and overload resistant
Inputs socket assignment		
• PIN 1		sensor supply L+
• PIN 2		data input
• PIN 3		sensor supply L-
• PIN 4		data input
• PIN 5		ground terminal
Design of the pin assignment of the inputs		standard assignment

Outputs:

Number of digital outputs		0
Status display		
• display of I/Os		yellow LED
• display of Uaux		not required
• display of AS-Interface/diagnostics		green/red dual LED
Assignment of data bits		
• socket		PIN 4/2 = IN1 (D0)
• socket 2		PIN 4/2 = IN2 (D1)
• socket 3		PIN 4/2 = IN3 (D2)
• socket 4		PIN 4/2 = IN4 (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, CSA, shipbuilding

General Product Approval Shipping Approval



CSA



GOST



UL



ABS



BUREAU
VERITAS

Shipping Approval other



DNV



LRS



PRS



RMRS

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other

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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

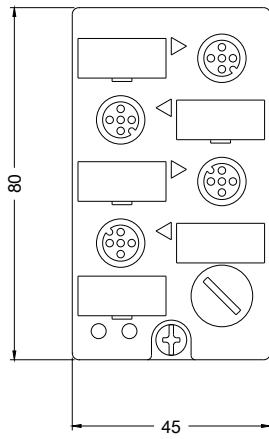
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK22000CQ200AA3>

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

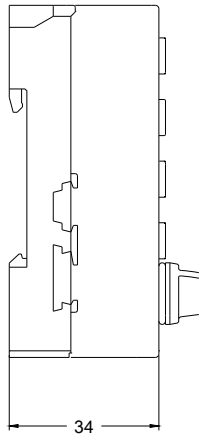
<https://support.industry.siemens.com/cs/ww/en/ps/3RK22000CQ200AA3>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK22000CQ200AA3&lang=en



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