

AS-I COMPACT MODULE K45, IP67, A/B-SLAVE (SPEC 3.0), DIGITAL, 4DO, PNP, 4 X OUTPUT OUTPUT SUPPLY DC 24V; 4 X M12 STANDARD ASSIGNMENT MOUNTING PLATE 3RK1901-2EA00 OR 3RK1901-2DA00 TO BE ORDERED SEPARATELY

Figure similar

General technical data:		
Design of the product		digital I/O modules for operation in the field, IP67 - K45
Type		4 outputs
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	45
operating voltage according to AS-Interface specification	V	18 ... 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		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.
Note 2		This module requires a master according to AS-i specifications 3.0

Sensor supply:		
Input voltage	V	16.5 ... 30

Ampacity of the sensor supply for all inputs <ul style="list-style-type: none"> at ambient temperature 40 °C 	mA	200
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Inputs:

Number of digital inputs		0
Input circuit		PNP transistor
Inputs socket assignment <ul style="list-style-type: none"> PIN 5 		ground terminal

Outputs:

Number of digital outputs		4
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 <ul style="list-style-type: none"> max 	A	3
Type of switching output		PNP transistor
Design of the pin assignment of the outputs		standard assignement
Outputs socket assignment		3 = "-", 4 = output, 5 = ground terminal
Property of the output Short-circuit proof		Yes
Outputs <ul style="list-style-type: none"> short-circuit protection induction protection watchdog 		built-in built-in built-in
Status display <ul style="list-style-type: none"> display of I/Os display of Uaux display of AS-Interface/diagnostics 		yellow LED green LED green/red dual LED
Assignment of data bits <ul style="list-style-type: none"> socket socket 2 socket 3 socket 4 		PIN 4 = OUT1 (D0) PIN 4 = OUT2 (D1) PIN 4 = OUT3 (D2) PIN 4 = OUT4 (D3)

Ambient conditions:

Ambient temperature <ul style="list-style-type: none"> during operation during storage 	°C °C	-25 ... +85 -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
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Certificates/ approvals:

AS-Interface certificate	requested
Approvals	UL, CSA, shipbuilding requested

General Product Approval			Shipping Approval		
					
CSA	GOST	UL		ABS	DNV

Shipping Approval	other				
			Declaration of Conformity	Environmental Confirmations	Confirmation
PRS	RMRS	ASi			

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

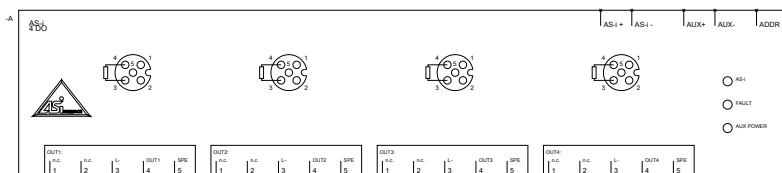
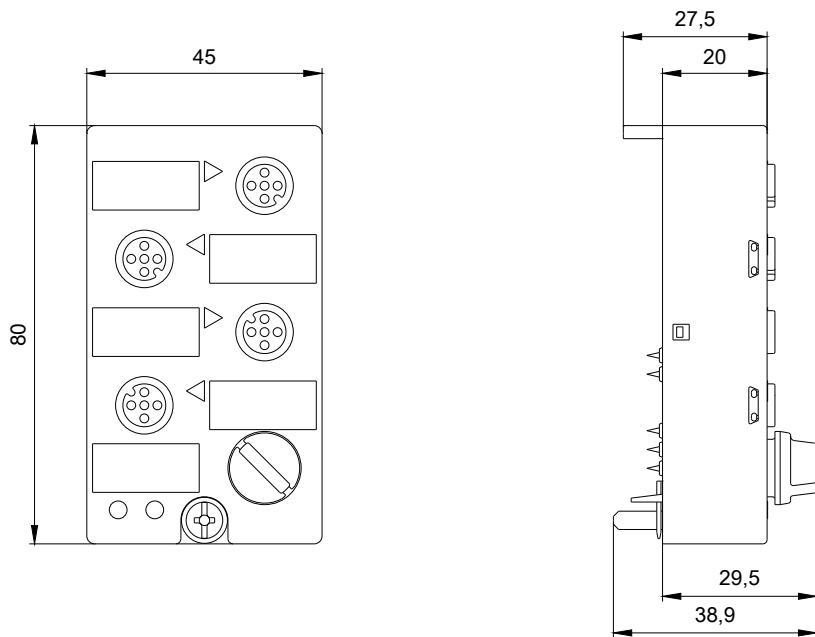
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK21001CQ200AA3>

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

<http://support.automation.siemens.com/WW/view/en/3RK21001CQ200AA3/all>

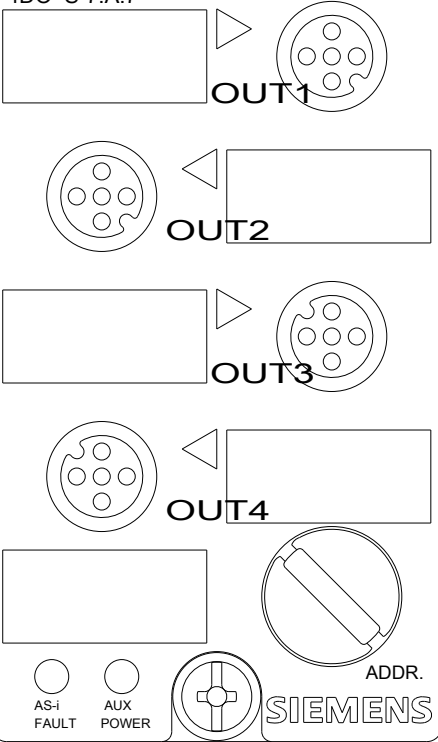
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK21001CQ200AA3&lang=en>



3RK2100-1CQ20-0AA3

4DO S-7.A.7



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