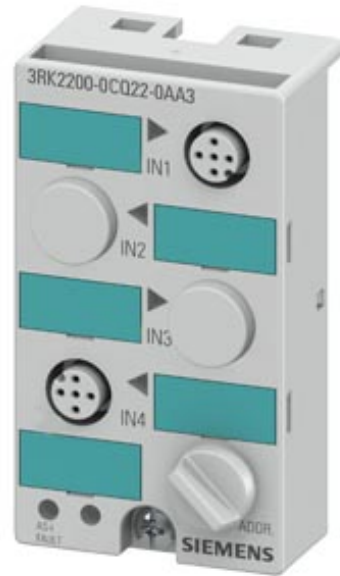


AS-i compact module K45 digital A/B slave, 4 DI, IP67 2 x 2 inputs, maximum 200 mA 2 x M12 sockets with Y assignment Mounting plate 3RK1901-2EA00 or 3RK1901-2DA00 is to be ordered separately



General technical data	
Design of the product	digital I/O modules for operation in the field, IP67 - K45
Type	2 x 2 inputs
Design of the slave type	A/B slave
I/O configuration	0
ID/ID2 code	A/0
Number I/O sockets	2
Type of electrical connection of the inputs and outputs	M12 screw-type terminals
AS interface total current input max	270 mA
operating voltage according to AS-Interface spezifikation	26.5 ... 31.6 V
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
Sensor supply	
Type of voltage supply for power supply	using AS-Interface

<b>Input voltage</b>	20 ... 30 V
<b>Property of the sensor supply Short-circuit and overload resistant</b>	Yes
<b>Ampacity of the sensor supply for all inputs</b>	200 mA
<ul style="list-style-type: none"> <li>at ambient temperature 40 °C</li> </ul>	

### Inputs

<b>Number of digital inputs</b>	4
<b>Type of connection</b>	2- and 3-wire technology
<b>Input circuit</b>	PNP transistor
<b>Type of voltage of the input voltages</b>	DC
<b>Inputs switching level High min</b>	10 V
<b>Input current at digital input</b>	6 mA 1.5 mA
<ul style="list-style-type: none"> <li>for signal &lt;1&gt; minimum</li> <li>with signal &lt;0&gt; maximum</li> </ul>	
<b>Inputs sensor supply using AS-Interface</b>	short-circuit and overload resistant
<b>Inputs socket assignment</b>	sensor supply L+ data input 2 sensor supply L- data input 1 ground terminal
<ul style="list-style-type: none"> <li>PIN 1</li> </ul>	
<ul style="list-style-type: none"> <li>PIN 2</li> </ul>	
<ul style="list-style-type: none"> <li>PIN 3</li> </ul>	
<ul style="list-style-type: none"> <li>PIN 4</li> </ul>	
<b>Design of the pin assignment of the inputs</b>	Y assignement

### Outputs

<b>Number of digital outputs</b>	0
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### Display

<b>Status display</b>	yellow LED not required green/red dual LED
<ul style="list-style-type: none"> <li>display of I/Os</li> </ul>	
<ul style="list-style-type: none"> <li>display of Uaux</li> <li>display of AS-Interface/diagnostics</li> </ul>	

### Assignment of the data bits

<b>Assignment of data bits</b>	PIN 4 = IN1 (D0), PIN 2 = IN2 (D1) not available not available PIN 4 = IN3 (D2), PIN 2 = IN4(D3)
<ul style="list-style-type: none"> <li>socket</li> </ul>	
<ul style="list-style-type: none"> <li>socket 2</li> </ul>	
<ul style="list-style-type: none"> <li>socket 3</li> <li>socket 4</li> </ul>	






### Ambient conditions







<b>Ambient temperature</b>	-25 ... +85 °C -40 ... +85 °C
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul>	
<b>Protection class IP</b>	IP67

## Mechanical data

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

## Certificates/ approvals

General Product Approval		EMC	Declaration of Conformity		
 CSA	 UL		 RCM	 EG-Konf.	<a href="#">Miscellaneous</a>

Shipping Approval					other
 ABS	 BUREAU VERITAS	 LRS	 PRS	 RMRS	 ASi

other	
<a href="#">Confirmation</a>	<a href="#">Miscellaneous</a>

## Further information

### Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK2200-0CQ22-0AA3>

### Cax online generator

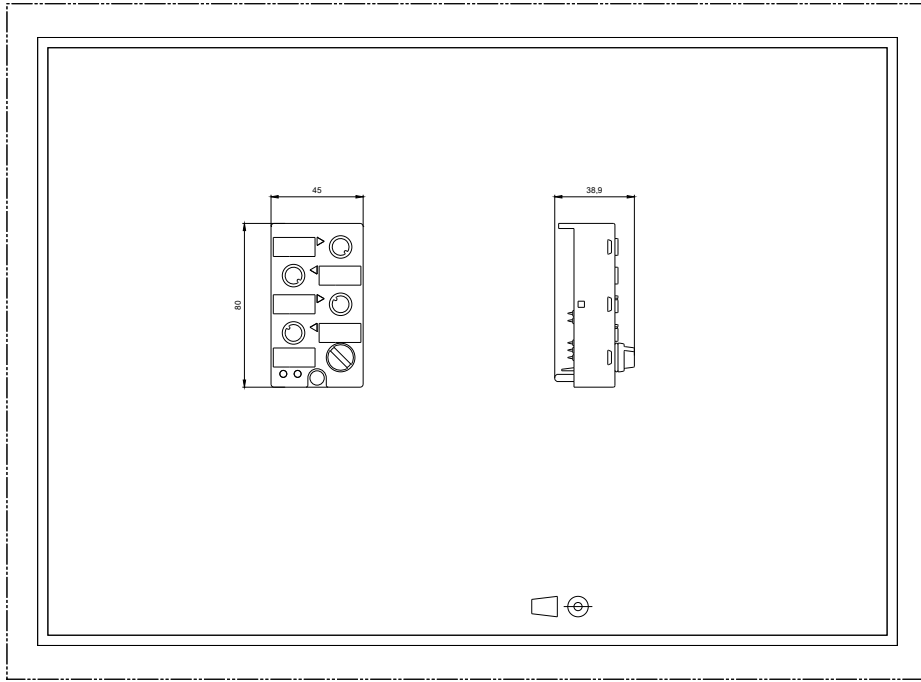
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2200-0CQ22-0AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK2200-0CQ22-0AA3>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK2200-0CQ22-0AA3&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2200-0CQ22-0AA3&lang=en)



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