

AS-i compact module K45 digital A/B slave, 4 DI, IP67 4 x input, maximum 200 mA 4 x M8 socket Screw version Mounting plate 3RK1901-2EA00 or 3RK1901-2DA00 is 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 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	M8 screw-type terminals
AS interface total current input max	270 mA
operating voltage according to AS-Interface specification	26.5 ... 31.6 V
Ground terminal	not available
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
Input voltage	20 ... 30 V
Property of the sensor supply Short-circuit and overload resistant	Yes
Ampacity of the sensor supply for all inputs <ul style="list-style-type: none"> <li>at ambient temperature 40 °C</li> </ul>	200 mA

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	10 V
Input current at digital input <ul style="list-style-type: none"> <li>for signal &lt;1&gt; minimum</li> <li>with signal &lt;0&gt; maximum</li> </ul>	6 mA 1.5 mA
Inputs sensor supply using AS-Interface	short-circuit and overload resistant
Inputs socket assignment <ul style="list-style-type: none"> <li>PIN 1</li> <li>PIN 3</li> <li>PIN 4</li> </ul>	sensor supply L+ sensor supply L- data input
Design of the pin assignment of the inputs	standard assignement

Outputs	
Number of digital outputs	0

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






Assignment of the data bits	
Assignment of data bits <ul style="list-style-type: none"> <li>socket</li> <li>socket 2</li> <li>socket 3</li> <li>socket 4</li> </ul>	PIN 4 = IN1 (D0) PIN 4 = IN2 (D1) PIN 4 = IN3 (D2) PIN 4 = IN4 (D3)




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

Mechanical data	
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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	<a href="#">Miscellaneous</a>
 CSA	 UL		 RCM	 EG-Konf.	

Shipping Approval					other
 ABS	 BUREAU VERITAS	 LRS	 PRS	 RMRS	 ASi

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

Further information

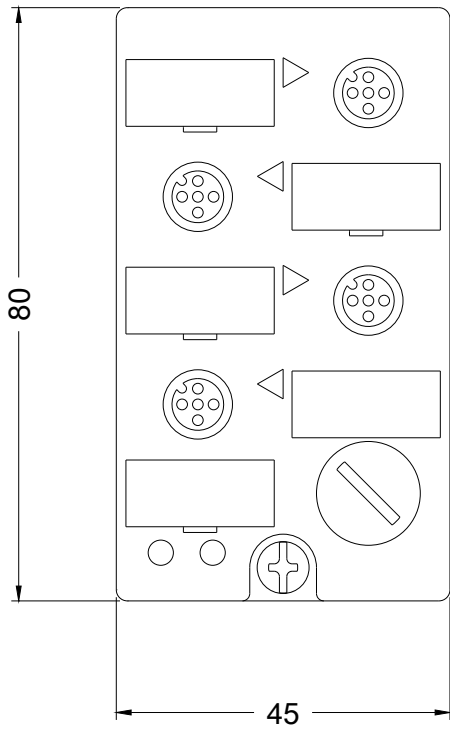
**Information- and Downloadcenter (Catalogs, Brochures,...)**  
<https://www.siemens.com/ic10>

**Industry Mall (Online ordering system)**  
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK2200-OCT20-0AA3>

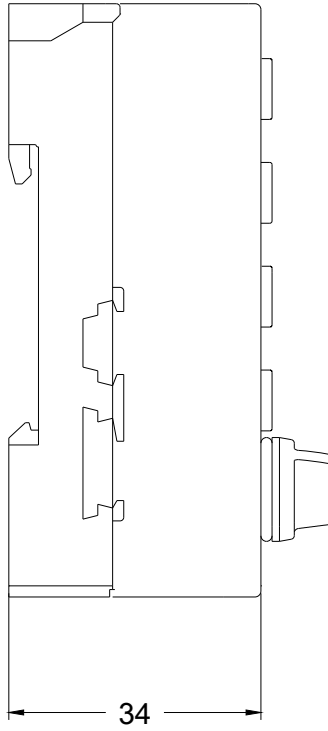
**Cax online generator**  
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**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<https://support.industry.siemens.com/cs/ww/en/ps/3RK2200-OCT20-0AA3>

**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-OCT20-0AA3&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2200-OCT20-0AA3&lang=en)



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