



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 specification	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 sensor 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	
• at ambient temperature 40 °C	200 mA
Inputs	
number of digital inputs	4
type of connection technology	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	
• for signal <1> minimum	6 mA
• with signal <0> maximum	1.5 mA
Inputs sensor supply using AS-Interface	short-circuit and overload resistant
Inputs socket assignment	
• PIN 1	sensor supply L+
• PIN 2	data input 2
• PIN 3	sensor supply L-
• PIN 4	data input 1
• PIN 5	ground terminal
design of the pin assignment of the inputs	Y assignment
Outputs	
number of digital outputs	0

Display	
Status display	
<ul style="list-style-type: none"> display of I/Os display of Uaux display of AS-Interface/diagnostics 	<ul style="list-style-type: none"> yellow LED not required green/red dual LED
Assignment of the data bits	
Assignment of data bits	
<ul style="list-style-type: none"> socket socket 2 socket 3 socket 4 	<ul style="list-style-type: none"> PIN 4 = IN1 (D0), PIN 2 = IN2 (D1) not available not available PIN 4 = IN3 (D2), PIN 2 = IN4(D3)
Ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation during storage 	<ul style="list-style-type: none"> -25 ... +85 °C -40 ... +85 °C
protection class IP	IP67
Mechanical data	
width	45 mm
height	80 mm
depth	30 mm
fastening method	standard rail mounting/wall mounting using mounting plate for K45 compact module
shock resistance	15g / 11 ms
Certificates/ approvals	
General Product Approval	EMV



[Confirmation](#)



EMV	Marine / Shipping	other
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[KC](#)



[Confirmation](#)

[Miscellaneous](#)

Environment	Industrial Communication
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[Environmental Confirmations](#)



Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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

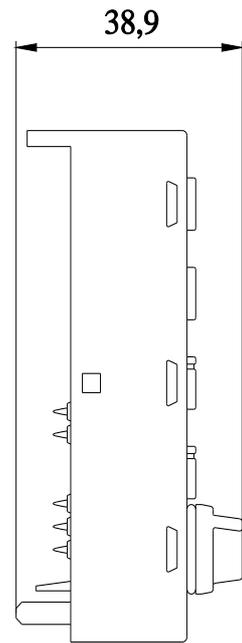
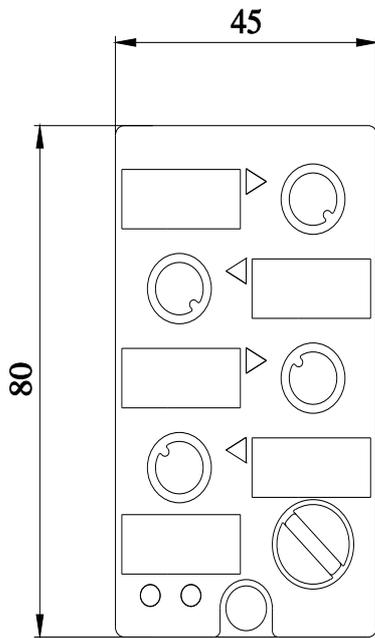
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2200-0CQ22-0AA3>

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



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