



AS-i compact module K45 digital 4 DI, IP67 4 x input, maximum 200 mA 4 x M12 socket Mounting plate 3RK1901-2EA00 or 3RK1901-2DA00 must be ordered separately

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	standard slave
I/O configuration	0
ID/ID2 code	0/F
Number I/O sockets	4
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	200 mA
<ul style="list-style-type: none"> at ambient temperature 40 °C 	
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	6 mA
<ul style="list-style-type: none"> for signal <1> minimum with signal <0> maximum 	
Inputs sensor supply using AS-Interface	short-circuit and overload resistant
Inputs socket assignment	<ul style="list-style-type: none"> 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

Display

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

Assignment of the data bits

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

Ambient conditions

ambient temperature	
<ul style="list-style-type: none"> during operation during storage 	<p>-25 ... +85 °C</p> <p>-40 ... +85 °C</p>
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	Maritime application
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Maritime application	other	Environment
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[Confirmation](#)

[Miscellaneous](#)

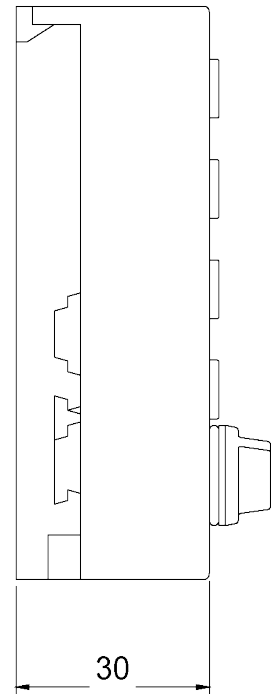
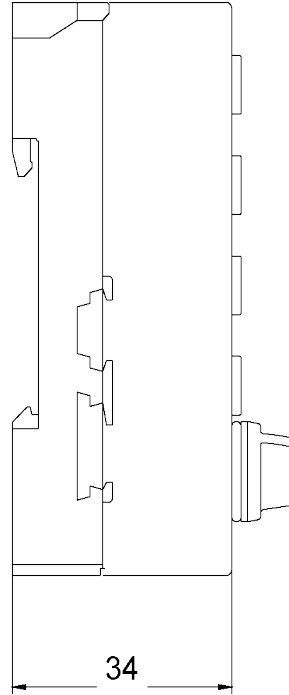
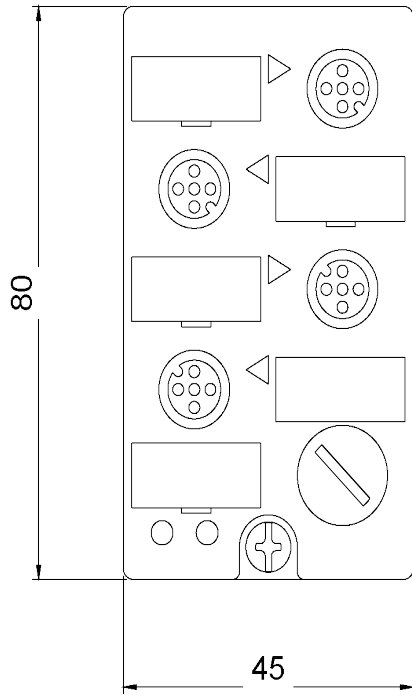
[Environmental Confirmations](#)

Industrial Communication



Further information

- Information on the packaging
<https://support.industry.siemens.com/cs/ww/en/view/109813875>
- Information for data generation and storage
<https://support.industry.siemens.com/cs/ww/en/view/109995012>
- 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=3RK1200-0CQ20-0AA3>
- Cax online generator
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1200-0CQ20-0AA3>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3RK1200-0CQ20-0AA3>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1200-0CQ20-0AA3&lang=en



last modified:

4/1/2025 