

AS-i compact module K45 digital 4 DI, IP67 4 x input, maximum 200 mA 4 x M8 socket Screw version 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	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"> at ambient temperature 40 °C 	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"> for signal <1> minimum with signal <0> maximum 	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"> PIN 1 PIN 3 PIN 4 	sensor supply L+ sensor supply L- data input
Design of the pin assignment of the inputs	standard assignment

Outputs

Number of digital outputs	0
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Display

Status display	
<ul style="list-style-type: none"> display of I/Os display of Uaux display of AS-Interface/diagnostics 	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 	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"> during operation during storage 	-25 ... +85 °C -40 ... +85 °C
Protection class IP	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.

[Miscellaneous](#)

Shipping Approval



other



ASi

[Confirmation](#)

[Miscellaneous](#)

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=3RK1200-0CT20-0AA3>

Cax online generator

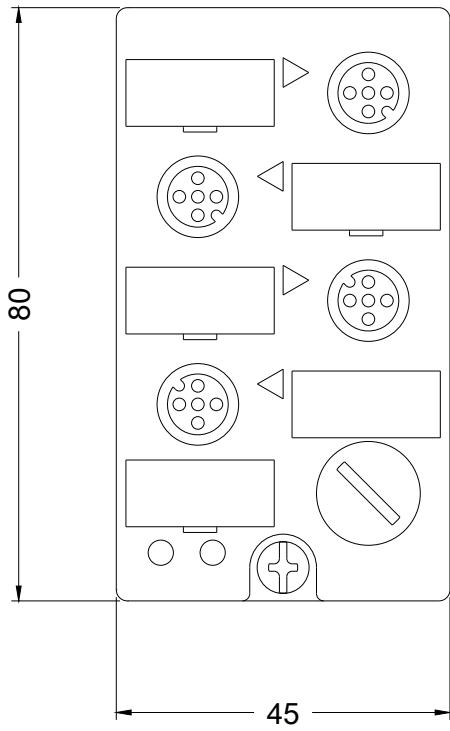
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1200-0CT20-0AA3>

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

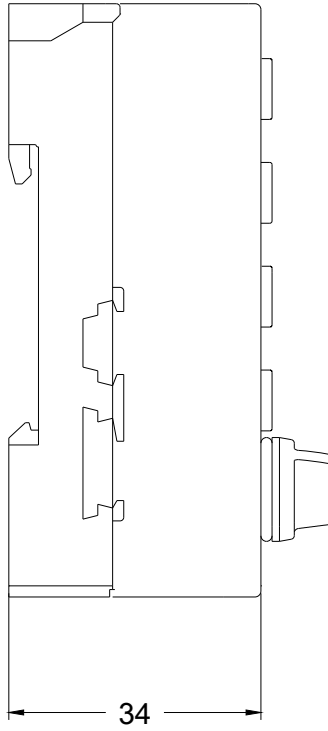
<https://support.industry.siemens.com/cs/ww/en/ps/3RK1200-0CT20-0AA3>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1200-0CT20-0AA3&lang=en



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