

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 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 - with signal <0> maximum	6 mA 1.5 mA
Inputs sensor supply using AS-Interface	short-circuit and overload resistant
Inputs socket assignment - PIN 1 - PIN 2 - PIN 3 - PIN 4 - PIN 5	sensor supply L+ data input sensor supply L- data input ground terminal
design of the pin assignment of the inputs	standard assignment

Outputs

number of digital outputs	0
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Display			
Status display			
• display of I/Os		yellow LED	
• display of Uaux		not required	
• display of AS-Interface/diagnostics		green/red dual LED	
Assignment of the data bits			
Assignment of data bits			
• socket		PIN 4/2 = IN1 (D0)	
• socket 2		PIN 4/2 = IN2 (D1)	
• socket 3		PIN 4/2 = IN3 (D2)	
• socket 4		PIN 4/2 = IN4 (D3)	
Ambient conditions			
ambient temperature			
• during operation		-25 ... +85 °C	
• during storage		-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	Marine / Shipping
 EG-Konf.   UL   RCM 			
Marine / Shipping	other	Environment	Industrial Communication
 DNV  PRS Confirmation Miscellaneous Environmental Confirmations  ASI			
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=3RK1200-0CQ20-0AA3>

Cax online generator

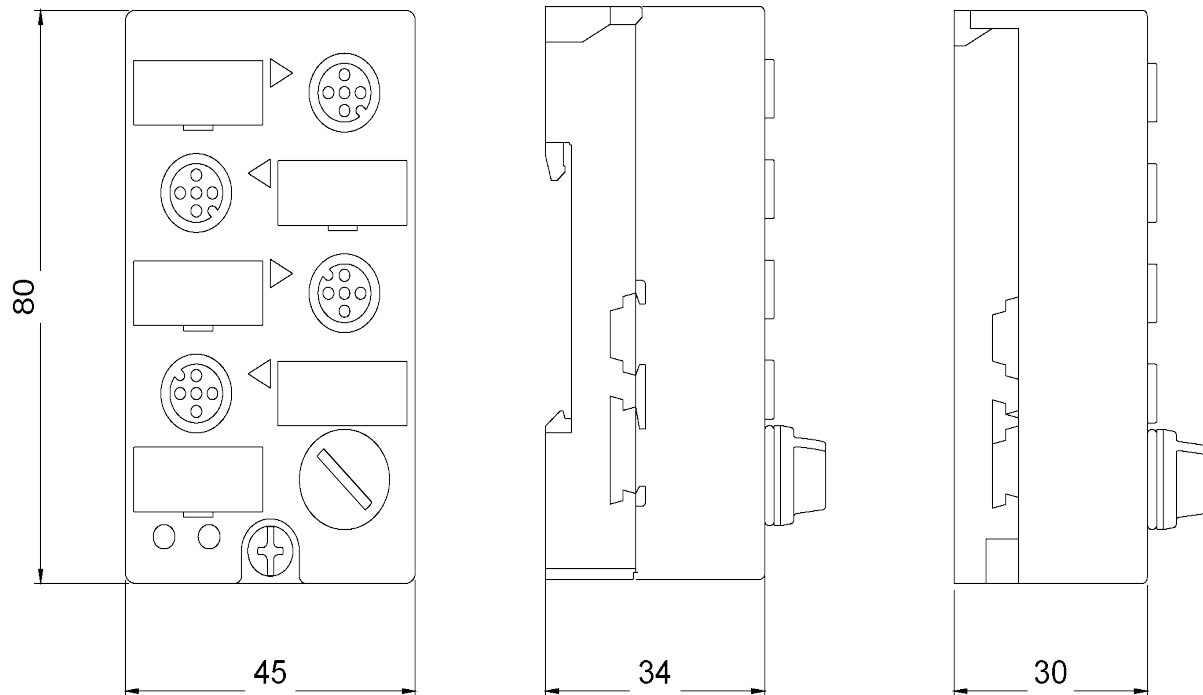
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1200-0CQ20-0AA3>

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



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