

AS-i compact module K45 digital A/B slave, 3DQ, IP67 3 x output, 1 A 24 V DC 3 x M12 socket 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	3 outputs
Design of the slave type	A/B slave
I/O configuration	8
ID/ID2 code	A/0
Number I/O sockets	3
Type of electrical connection of the inputs and outputs	M12 screw-type terminals
AS interface total current input max	45 mA
operating voltage according to AS-Interface spezifikation	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
Note 1	An external additional supply (AUX POWER) of 20 to 30 V DC is required for the supply of the output circuits. The additional supply must comply with VDE 0106 (PELV), protection class III.

Sensor supply	
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	0
Type of connection	2- and 3-wire technology
Input circuit	PNP transistor
Inputs sensor supply using AS-Interface	short-circuit and overload resistant
Outputs	
Number of digital outputs	3
Type of voltage of output voltages	DC
Outputs external power supply 24 V DC	using black AS-Interface flat cable
Ampacity of the semiconductor output at DC-13 at 24 V	1 A
Outputs aggregate current	
<ul style="list-style-type: none"> max 	3 A
Type of switching output	PNP transistor
Outputs socket assignment	3 = "-", 4 = output, 5 = ground terminal
Property of the output Short-circuit proof	Yes
Outputs	
<ul style="list-style-type: none"> short-circuit protection induction protection watchdog 	<ul style="list-style-type: none"> built-in built-in built-in
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 green LED 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 = OUT1 (D0) PIN 4 = OUT2 (D1) PIN 4 = OUT3 (D2) not available
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
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
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[Confirmation](#)

other

[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=3RK2100-1EQ20-0AA3>

Cax online generator

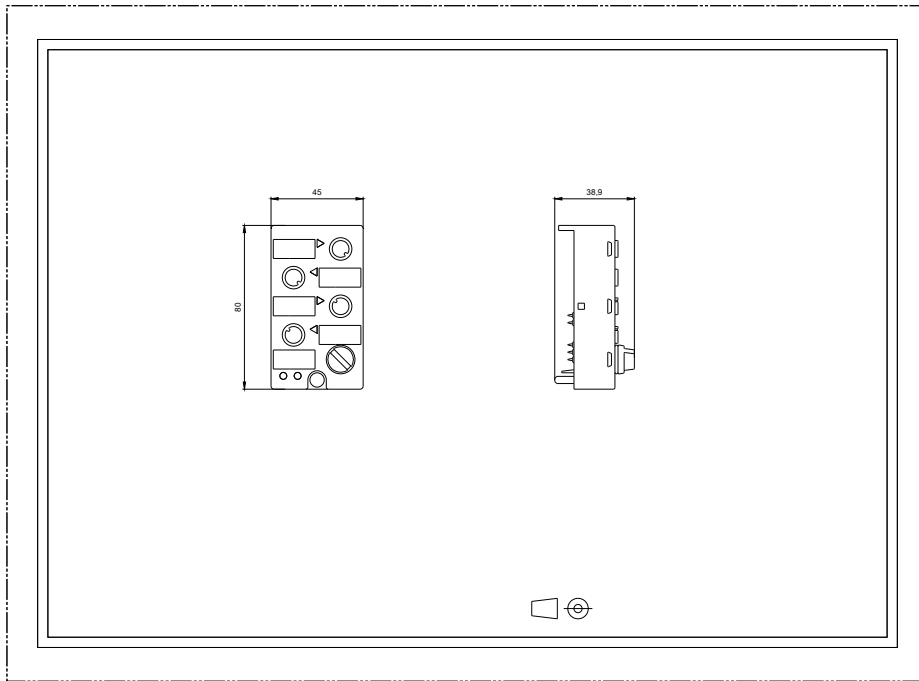
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2100-1EQ20-0AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK2100-1EQ20-0AA3>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2100-1EQ20-0AA3&lang=en



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