



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 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
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.
Inputs	
number of digital inputs	0
type of connection technology	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	
• 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	
• short-circuit protection	built-in
• induction protection	built-in
• watchdog	built-in
Display	
Status display	
• display of I/Os	yellow LED
• display of Uaux	green LED

- display of AS-Interface/diagnostics

green/red dual LED

Assignment of the data bits

Assignment of data bits	
• socket	PIN 4 = OUT1 (D0)
• socket 2	PIN 4 = OUT2 (D1)
• socket 3	PIN 4 = OUT3 (D2)
• socket 4	not available

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	EMC	Declaration of Conformity
Confirmation  UL	 EAC	 RCM
		 CE EG-Konf.
		 UK CA

Marine / Shipping	other
 BUREAU VERITAS	 PRS
	 ASi
	Confirmation
	Miscellaneous

Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3RK2100-1EQ20-0AA3>

Cax online generator

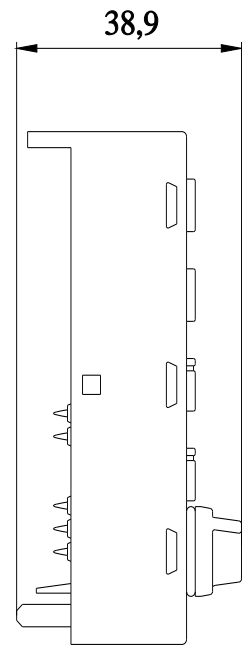
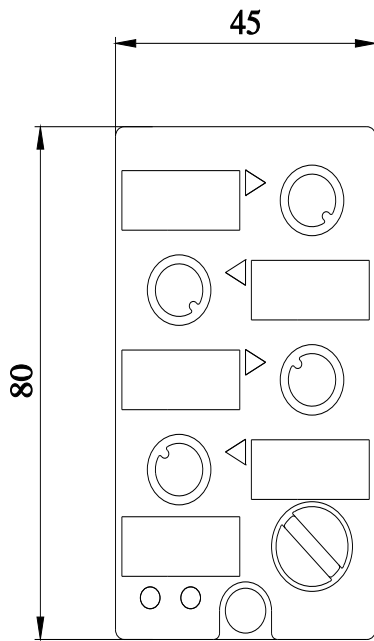
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2100-1EQ20-0AA3>

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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