



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

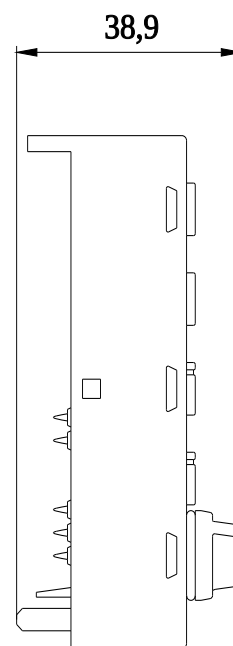
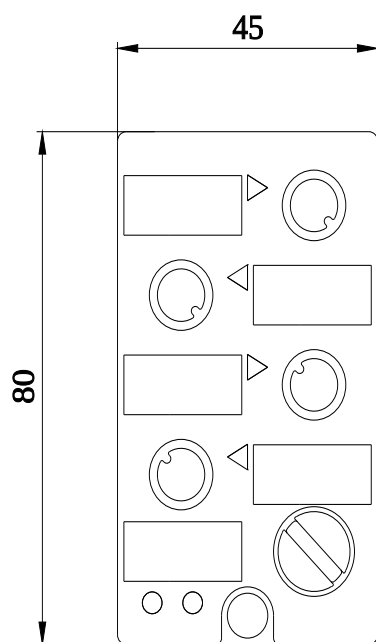
Outputs

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 - induction protection - watchdog	built-in built-in built-in

Display

Status display - display of I/Os - display of Uaux	yellow LED green LED
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• display of AS-Interface/diagnostics	green/red dual LED				
Assignment of the data bits					
Assignment of data bits • socket • socket 2 • socket 3 • socket 4	PIN 4 = OUT1 (D0) PIN 4 = OUT2 (D1) PIN 4 = OUT3 (D2) not available				
Ambient conditions					
ambient temperature • 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				
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				
 EG-Konf.   UL   RCM KC					
Marine / Shipping	other	Environment	Industrial Communication		
		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=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					



last modified:

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