

ACTUATOR SENSOR INTERFACE 2I/2O  
 APPLICATION MODULE 2X1 INPUT 100 MA PNP, 2X1  
 OUTPUT ELECTRONICS DC 24V, 2A 4XM12  
 SOCKETS, EXTERNAL VOLTAGE INFEED VIA M12-  
 PLUG, EMI

Figure similar

General technical data:		
Design of the product		digital I/O modules for operation in the field, IP67 - user modules
Design of the slave type		standard slave
Type		2 inputs / 2 outputs
I/O configuration		3
ID code		0
Number I/O sockets		4
Protocol is supported AS-interface protocol		Yes
Type of electrical connection of the inputs and outputs		M12 screw-type terminals
AS interface total current input max	mA	270
operating voltage according to AS-Interface specification	V	26.5 ... 31.6
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.

Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		A
Equipment marking acc. to DIN EN 61346-2		K

### Inputs:

<b>Number of digital inputs</b>		2
<b>Input circuit</b>		PNP
Type of voltage of the input voltages		DC
<b>Input voltage</b>	V	20 ... 30
Inputs switching level High min	V	10
Input current at digital input		
• for signal <1> minimum	mA	5
• with signal <0> maximum	mA	1.5
<b>Inputs sensor supply using AS-Interface</b>		short-circuit and overload resistant

### Outputs:

<b>Number of digital outputs</b>		2
Type of voltage of output voltages		DC
Outputs external power supply 24 V DC		using M12 connector
Output voltage at DC at 24 V	V	22 ... 24
Output current at digital output for signal <1> Rated value	A	2
Outputs aggregate current max	A	2
<b>Type of switching output</b>		transistor
Property of the output Short-circuit proof		Yes
<b>Outputs</b>		
• short-circuit protection		built-in
• induction protection		built-in
• current carrying capacity DC-12/13		2 A
<b>Status display</b>		
• display of I/Os		yellow LED
• display of AS-Interface/diagnostics		green LED
<b>Assignment of data bits</b>		
• socket		input (D0)
• socket 2		input (D1)
• socket 3		output (D2)
• socket 4		output (D3)

### Ambient conditions:

<b>Ambient temperature</b>		
• during storage	°C	-40 ... +85
• during operation	°C	-25 ... +85
<b>Protection class IP</b>		IP67

### Mechanical data:

Width	mm	45
Height	mm	90
Depth	mm	27
Mounting type		standard rail mounting/wall mounting using coupling module
connection		using contact pins on FK or Pg coupling module
Type of connection		2- and 3-wire technology

Certificates/ approvals:

AS-Interface certificate		yes
Approvals		UL, CSA, shipbuilding

General Product Approval	Declaration of Conformity	Shipping Approval
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Shipping Approval	other
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[Confirmation](#)

[Environmental Confirmations](#)

[Miscellaneous](#)

Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<http://www.siemens.com/industrymall>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RG9001-0AM00>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RG9001-0AM00>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RG9001-0AM00&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RG9001-0AM00&lang=en)

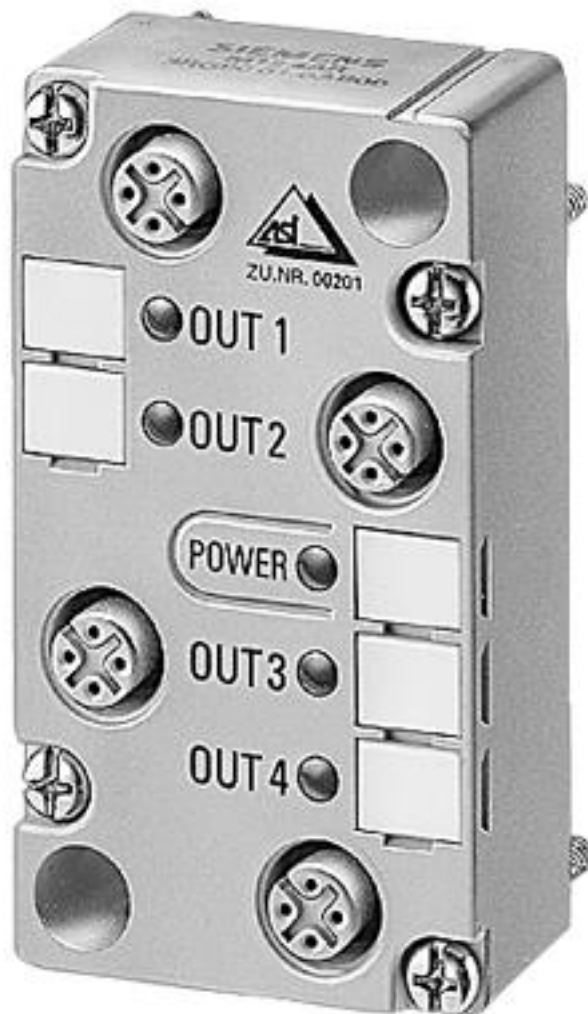
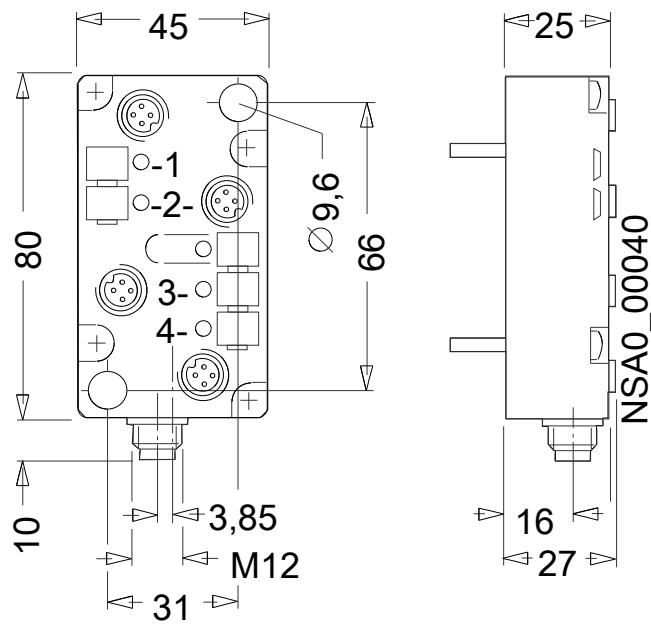


Figure similar

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