

ACTUATOR SENSOR INTERFACE 4AR APPLICATION
 MODULE 4X1 OUTPUT RELAYS DC 24V, 1A
 EXTERNAL VOLTAGE SUPPLY VIA M12 4X M12
 SOCKETS, EMI

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		4 outputs
I/O configuration		8
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	60
operating voltage according to AS-Interface spezifikation	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.
Note 2		During a communication failure the relay outputs remain in the current switching state
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:

Number of digital inputs		0
Input circuit		PNP
Type of voltage of the input voltages		DC

Outputs:

Number of digital outputs		4
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	24 ... 24
Output current at digital output for signal <1> Rated value	A	1
Outputs aggregate current max	A	2

Type of switching output		relay
Property of the output Short-circuit proof		Yes
Outputs		
<ul style="list-style-type: none"> • short-circuit protection • induction protection • current carrying capacity DC-12/13 		built-in built-in 1 A (12 V DC), 0.5 A (DC-13 24 V)
Status display		
<ul style="list-style-type: none"> • display of I/Os • display of AS-Interface/diagnostics 		yellow LED green LED
Assignment of data bits		
<ul style="list-style-type: none"> • socket • socket 2 • socket 3 • socket 4 		output (D0) output (D1) output (D2) output (D3)

Ambient conditions:

Ambient temperature		
<ul style="list-style-type: none"> • during storage • during operation 	°C °C	-40 ... +85 -25 ... +85
Protection class IP		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

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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[Environmental Confirmations](#)

[Confirmation](#)

[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

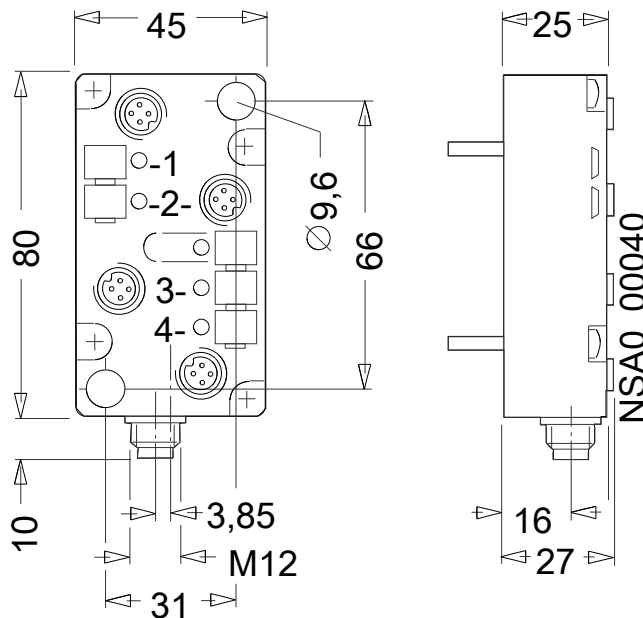
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RG9001-0AB00>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RG9001-0AB00>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RG9001-0AB00&lang=en



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