



AS Interface user module IP67 Phased-out product !!! For further information, please contact our sales department digital, 2DI/2RQ, 2x 1 input, max. 100 mA, PNP 2 x output, 1 A 24 V DC 4 x M12 socket

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	140
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.
Note 2		During a communication failure the relay outputs remain in the current switching state
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750		A
reference code according to EN 61346-2		K

Inputs

number of digital inputs		2
Input circuit		PNP
type of voltage of the input voltages		DC
input voltage	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
Inputs sensor supply using AS-Interface		short-circuit and overload resistant

Outputs

number of digital outputs		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	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		
• short-circuit protection		built-in
• induction protection		built-in

current carrying capacity DC-12/13		1 A (12 V DC), 0.5 A (DC-13 24 V)
Status display - display of I/Os - display of AS-Interface/diagnostics		yellow LED green LED
Assignment of data bits - socket - socket 2 - socket 3 - socket 4		input (D0) input (D1) output (D2) output (D3)
Ambient conditions		
ambient temperature - 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
fastening method		standard rail mounting/wall mounting using coupling module
connection		using contact pins on FK or Pg coupling module
type of connection technology		2- and 3-wire technology
Certificates/ approvals		
General Product Approval		EMV



[Confirmation](#)



[KC](#)

Marine / Shipping	other	Environment
		Confirmation Miscellaneous Environmental Confirmations

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=3RG9001-0AC00 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RG9001-0AC00 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RG9001-0AC00 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RG9001-0AC00&lang=en



