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Data sheet 3RG9004-0DA00

ACTUATOR SENSOR INTERFACE F90 4I/4O APPLICATION MODULE, IP20, 4X1 INPUT 200MA PNP, 4X1 OUTPUT ELECTRONICS DC 24V, 2A COMBICON STRIPS WIDTH 90MM COMBICON CONNECTOR SET 3RX9810-0AA00 TO BE ORDERED SEPARATELY



Figure similar

General technical data:		
Design of the product		F90 module - I/O modules for operation in the control cabinet, IP20
Type		4 inputs / 4 outputs
Design of the slave type		standard slave
I/O configuration		7
ID/ID2 code		0/F
Type of electrical connection of the inputs and outputs		combicon connection
AS interface total current input max	mA	270
operating voltage according to AS-Interface spezification	V	26.5 ... 31.6
Addressing		possible using integrated addressing socket
Watchdog		built-in
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.

Sensor supply:		
Type of voltage supply for power supply		using AS-Interface
Property of the sensor supply Short-circuit and overload resistant		Yes
Ampacity of the sensor supply for all inputs at ambient temperature 40 °C	mA	200

Inputs:		
Number of digital inputs		4

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Type of connection		2- and 3-conductor PNP transistor
Input circuit		PNP transistor
Type of voltage of the input voltages		DC
Input current at digital input		
• for signal <1> minimum	mA	5
• with signal <0> maximum	mA	1.5
Inputs		
• switching level High min	V	10
• sensor supply using AS-Interface		short-circuit and overload resistant
• connection sensors		2- and 3-conductor technology

Outputs:

Number of digital outputs		4
Type of voltage of output voltages		DC
Outputs external power supply 24 V DC		using Combicon plug connector
Output current at digital output for signal <1> Rated value	A	2
Type of switching output		solid state
Outputs total current of all outputs	A	6
Property of the output Short-circuit proof		Yes
Outputs		
• short-ciruit protection		built-in
• induction protection		built-in
Status display		
• display of I/Os		yellow LEDs
• display of AS-Interface/diagnostics		green/red dual LED
Assignment of data bits		
• D0		IN1/OUT1
• D1		IN2/OUT2
• D2		IN3/OUT3
• D3		IN4/OUT4

Ambient conditions:

Ambient temperature		
• during operation	°C	-25 ... +70
• during storage	°C	-40 ... +85
Protection class IP		IP20

Mechanical data:

Width	mm	90
Height	mm	75
Depth	mm	37
Mounting type		35 mm standard rail mounting

Certificates/ approvals:

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AS-Interface certificate		yes
Approvals		UL, CSA, shipbuilding

General Product Approval			Shipping Approval		
CSA	UL		ABS	BUREAU VERITAS	DNV

Shipping Approval			other		
LRS	PRS	RINA	Environmental Confirmations	Declaration of Conformity	Confirmation

other
other

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=3RG90040DA00

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RG90040DA00

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RG90040DA00&lang=en

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