SIMATIC ET 200PRO

Product Data Sheet

6ES7148-4EA00-0AA0

Pneumatic valve interface module

DIGITAL OUTPUT CHANNELS	COMPATIBLE VALVE TERMINAL	MAXIMUM 24 V LOAD CURRENT	BACKPLANE VOLTAGE
16	**Festo CPV10**	**300 mA including valves**	**3.3 V DC**

Siemens 6ES7148-4EA00-0AA0 is an ET 200pro pneumatic interface module for a Festo CPV10 valve terminal. It supplies sixteen digital output channels through the assigned valve interface and includes the associated bus module.

01 TECHNICAL DATA

Digital output channels	16
Compatible valve terminal	Festo CPV10
Maximum 24 V load current	300 mA including valves
Backplane voltage	3.3 V DC
Backplane current	25 mA
Power loss	2.6 W
Output address space	2 bytes
Output resistance range	500 to 2500 ohm
Rated channel current	12 mA
Permitted channel current	11 to 15 mA

02 ADDITIONAL PRODUCT DATA

Maximum inductive switching rate	25 Hz
Maximum group current	250 mA at up to 50 °C
Pneumatic operating pressure	3 to 8 bar
Rated pneumatic flow	400 l/min
Isolation test voltage	707 V DC

03 PRODUCT FUNCTION

The electronic interface occupies two output bytes and provides a 12 mA nominal channel current. The assigned pneumatic arrangement operates at 3–8 bar with a rated flow of 400 l/min, while electrical loading and valve switching duty remain subject to the stated module limits.

04 SYSTEM COMPATIBILITY

Supply the load circuit and include the connected valve demand within the 300 mA maximum. The individual output current is specified at 12 mA nominal; verify the valve resistance and group-current limit for the installed combination.

05 REFERENCE

Siemens 6ES7148-4EA00-0AA0 technical data and applicable product instructions

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