AC 800PEC FAST I/O

Product Data Sheet

XF801 3BSE061579R1

Fast Analog Digital I/O

ANALOG INPUT CHANNELS	ANALOG OUTPUT CHANNELS	DIGITAL INPUT CHANNELS	DIGITAL OUTPUT CHANNELS
12	12	16	16

ABB XF801 3BSE061579R1 is a fast mixed-signal I/O module for the AC 800PEC controller. It combines twelve analog inputs, twelve analog outputs, sixteen digital inputs and sixteen digital outputs with four pulse-encoder channels and four synchronous serial interface channels in one module.

01 TECHNICAL DATA

Analog input channels	12
Analog output channels	12
Digital input channels	16
Digital output channels	16
Pulse encoder channels	4
SSI channels	4
Supply voltage	24 V DC +/-10%
Maximum supply current	0.8 A
Analog input resolution	16 bits
Analog input ranges	-10 to +10 V; 4 to 20 mA; -20 to +20 mA

ABB XF801 technical sheet 3BSE064506 en A; Fast I/O specifications.

02 ADDITIONAL PRODUCT DATA

Maximum digital output load	0.5 A per channel
Input filter setting	0 to 100 ms
Scan performance	6 modules within 500 microseconds
Operating temperature	0 to +55 degC
Protection rating	IP20

03 PRODUCT FUNCTION

The module accepts 24 V DC with a tolerance of +/-10% and draws up to 0.8 A. Its Enhanced Modulebus arrangement supports scanning six modules within 500 microseconds; the AC 800PEC connection uses the specified optical arrangement and PE1390 converter. The analog inputs provide 16-bit resolution, while digital outputs support loads up to 0.5 A per channel.

04 SYSTEM COMPATIBILITY

Allocate the analog, digital, encoder and SSI channels to the project signal list before wiring. Select the required analog input range and digital filter setting, and verify that each digital output load stays within 0.5 A. Sensor supplies and signal references must follow the applicable terminal assignment.

05 REFERENCE

ABB XF801 technical sheet 3BSE064506 en A; Fast I/O specifications.

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