SIMATIC S7-1200

Product Data Sheet

6ES7226-6DA32-0XB0

Fail-safe digital output module

FAIL-SAFE OUTPUTS	OUTPUT VOLTAGE	LOAD VOLTAGE RANGE	RATED OUTPUT CURRENT
4	24 V DC	20.4 to 28.8 V DC	2 A

Siemens 6ES7226-6DA32-0XB0 is an SM 1226 fail-safe output module with four 24 V DC channels for an S7-1200 safety controller. Each channel is rated at 2 A and is integrated through the configured PROFIsafe safety program.

01 TECHNICAL DATA

Fail-safe outputs	4
Output voltage	24 V DC
Load voltage range	20.4 to 28.8 V DC
Rated output current	2 A
Maximum output current	2.4 A
Minimum output current	10 mA
Backplane current at 5 V	125 mA
Maximum load-supply current	170 mA
Power loss	8 W
Resistive switching rate	30 Hz

02 ADDITIONAL PRODUCT DATA

Lamp switching rate	10 Hz
Maximum cable length	200 m
Operating temperature	0 to 55 °C
Maximum SIL	3
Maximum performance level	PL e

03 PRODUCT FUNCTION

The load supply accepts 20.4–28.8 V DC. Electronic protection and the specified residual-current limits must be considered alongside the connected actuator, while resistive and lamp loads have separate switching limits. The attainable SIL 3 and PL e depend on the complete validated safety function.

04 SYSTEM COMPATIBILITY

Connect the 20.4–28.8 V DC load supply and select loads within the 2 A channel rating. Account for the specified minimum load current and P/M off-state residual currents when evaluating actuator release.

05 REFERENCE

Siemens 6ES7226-6DA32-0XB0 technical data and applicable product instructions

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