SIMATIC ET 200S 2 PULSE

Product Data Sheet

6ES7138-4DD01-0AB0

Two-channel Pulse Generator Module

PULSE CHANNELS	DIGITAL INPUTS	DIGITAL OUTPUTS	RATED LOAD SUPPLY
2	**2**	**2**	**24 V DC from power module**

Siemens 6ES7138-4DD01-0AB0 is the two-channel 2 PULSE electronics module for SIMATIC ET 200S. Each channel combines one digital input with one digital output for pulse-generation and timing tasks. The module receives its nominal 24 V DC load supply from the station power module and has a 500 mA sensor supply output.

01 TECHNICAL DATA

Pulse channels	2
Digital inputs	2
Digital outputs	2
Rated load supply	24 V DC from power module
Maximum unloaded L+ current	40 mA
Maximum 3.3 V backplane current	10 mA
Typical power loss	1.8 W
Sensor supply current	500 mA
Input signal 0	-30 to +5 V
Input signal 1	+11 to +30 V

02 ADDITIONAL PRODUCT DATA

Maximum input frequency	20 kHz with 0.1 ms delay
Minimum pulse duration	100 microseconds
Rated output current per channel	2 A
Maximum resistive switching frequency	5 kHz
Isolation test voltage	500 V DC

03 PRODUCT FUNCTION

The module supports input frequencies up to 20 kHz with the specified 0.1 ms delay and a minimum pulse duration of 100 microseconds. Each output has a rated current of 2 A, with a maximum 5 kHz switching frequency for a resistive load. Its unloaded L+ current is at most 40 mA, backplane current is at most 10 mA at 3.3 V, and typical dissipation is 1.8 W.

04 SYSTEM COMPATIBILITY

Supply the load group from the documented 24 V power module and include both the output loads and sensor supply in the current budget. Match the connected load to the 2 A output rating and the relevant switching-frequency limit. Resistive, inductive and lamp loads have different permitted switching characteristics.

05 REFERENCE

Siemens 6ES7138-4DD01-0AB0 official product data; applicable specification pages.

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**