SIMATIC S7-1500

Product Data Sheet

6ES7522-1BF00-0AB0

Eight-Channel 24 V DC 2 A Output Module

DIGITAL OUTPUTS	LOAD SUPPLY	RATED CURRENT PER CHANNEL	MAXIMUM CURRENT PER GROUP
8; sourcing transistor outputs	**24 V DC; permissible 19.2 to 28.8 V**	**2 A**	**8 A**

Siemens 6ES7522-1BF00-0AB0 is the S7-1500 DQ 8x24VDC/2A High Feature digital output module. Eight sourcing transistor outputs are arranged in two groups of four channels. Each channel is rated 2 A, with maximum group and module output totals of 8 A and 16 A. The load supply is 24 V DC within a permitted 19.2 to 28.8 V range.

01 TECHNICAL DATA

Digital outputs	8; sourcing transistor outputs
Load supply	24 V DC; permissible 19.2 to 28.8 V
Rated current per channel	2 A
Maximum current per group	8 A
Maximum module output current	16 A
Output groups	2 groups of 4 channels
Typical no-load consumption	40 mA
Backplane power demand	0.9 W
Typical power loss	5.6 W; normal output mode
Resistive switching rate	Maximum 100 Hz; normal output mode

02 ADDITIONAL PRODUCT DATA

Inductive switching rate	Maximum 0.5 Hz
Lamp switching rate	Maximum 10 Hz
Maximum lamp load	10 W
Maximum residual off-state current	0.5 mA
Short-circuit response threshold	3 A

03 PRODUCT FUNCTION

The module provides output protection and diagnostics, with a stated short-circuit response threshold of 3 A. Normal output mode supports switching rates up to 100 Hz for resistive loads, 0.5 Hz for inductive loads and 10 Hz for lamps, with a maximum lamp load of 10 W. Hardware- and firmware-dependent pulse-width modulation is a separate capability; it must be enabled only on an applicable unit and configured using the corresponding Siemens instructions.

04 SYSTEM COMPATIBILITY

Connect the 24 V DC supply within 19.2 to 28.8 V and maintain the sourcing-output polarity. Select receiving loads and switching frequency according to their resistive, inductive or lamp characteristics. A 100 Hz resistive limit must not be assigned to an inductive load.

05 REFERENCE

Siemens 6ES7522-1BF00-0AB0 manufacturer technical data; applicable specification pages.

AMIKON PRODUCT SUPPORT
+86-18020776786 INFO@AMIKON.CN AMIKONG.COM