SIMATIC S7-400 SM 422

Product Data Sheet

6ES7422-1FH00-0AA0

Sixteen-Channel AC Output Module

DIGITAL OUTPUT CHANNELS	RATED LOAD VOLTAGE	PERMISSIBLE LOAD-VOLTAGE RANGE	RATED CHANNEL CURRENT
16	**120/230 V AC**	**79 to 264 V AC**	**2 A**

Siemens 6ES7422-1FH00-0AA0 is the SIMATIC S7-400 SM 422 digital output module with sixteen optically isolated AC outputs. It is designed for 120/230 V AC loads, with a rated channel current of 2 A and isolation groups of four channels. The permitted load-voltage range is 79 to 264 V AC.

01 TECHNICAL DATA

Digital output channels	16
Rated load voltage	120/230 V AC
Permissible load-voltage range	79 to 264 V AC
Rated channel current	2 A
Minimum signal-one load current	10 mA
Maximum signal-zero residual current	2.6 mA
Lamp-load capacity	50 W maximum
Maximum resistive switching rate	10 Hz
Maximum inductive switching rate	0.5 Hz
Output isolation grouping	4 channels

02 ADDITIONAL PRODUCT DATA

Group current without fan at 60 degrees C	2 A per four adjacent outputs
Maximum 5 V backplane current	400 mA
Typical power dissipation	16 W
Maximum shielded/unshielded cable	1000 m / 600 m
Isolation test voltage	1500 V AC

03 PRODUCT FUNCTION

The module draws up to 400 mA from the 5 V backplane and has typical dissipation of 16 W. Resistive loads can switch at up to 10 Hz, while the specified inductive-load limit is 0.5 Hz. Group-current limits depend on ventilation: at up to 60 degrees C, four adjacent outputs share a 2 A limit without a fan subassembly.

04 SYSTEM COMPATIBILITY

Connect each load group to its specified 120/230 V AC supply within 79 to 264 V AC. Check the 2 A channel rating together with the more restrictive aggregate limit for four adjacent outputs. At temperatures up to 60 degrees C the stated group limit is 2 A without the fan subassembly.

05 REFERENCE

Siemens 6ES7422-1FH00-0AA0 official product data; applicable specification pages.

AMIKON PRODUCT SUPPORT

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