SIMATIC S5-135U/155U

Product Data Sheet

6ES5456-4UA12

AC digital output module

DIGITAL OUTPUTS	RATED LOAD SUPPLY	PERMISSIBLE SUPPLY	LINE FREQUENCY
16	**115 to 230 V AC**	**88 to 264 V AC**	**47 to 63 Hz**

Siemens 6ES5456-4UA12 is a sixteen-channel AC digital output module for SIMATIC S5-135U and S5-155U controllers. Its outputs switch 115 to 230 V AC loads and are divided into two electrically isolated groups of eight, with fuses protecting groups of four outputs.

01 TECHNICAL DATA

Digital outputs	16
Rated load supply	115 to 230 V AC
Permissible supply	88 to 264 V AC
Line frequency	47 to 63 Hz
Isolated groups	2 groups of 8
Fuse rating	6.3 A fast per 4 outputs
Ventilated channel current	40 mA to 2 A
Unventilated channel current	40 mA to 1 A
Ventilated group current	6 A per 4 outputs
Unventilated group current	4 A per 4 outputs

02 ADDITIONAL PRODUCT DATA

Off-state leakage	5 mA maximum
Unshielded line length	300 m maximum
Backplane consumption	5 V, 100 mA typical
Power dissipation	39 W
Intergroup insulation test	2000 V AC

03 PRODUCT FUNCTION

The permissible load-supply range is 88 to 264 V AC at 47 to 63 Hz. Available output current depends on ventilation: up to 2 A per channel with ventilation, or 1 A without it, subject to the separate group limits. A front-connector enable circuit and the load-specific current limits form part of the installed output arrangement.

04 SYSTEM COMPATIBILITY

Design the ventilation and current budget together. With ventilation each four-output group permits 6 A total, while without ventilation the limit is 4 A; lamp groups remain subject to their lower 2.5 A aggregate limit.

05 REFERENCE

Siemens 6ES5456-4UA12 technical data and applicable product instructions

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