SIMATIC S5-115H

Product Data Sheet

6ES5454-7LA11

24 V digital output module

OUTPUT CHANNELS	RATED LOAD VOLTAGE	LOAD SUPPLY RANGE	RATED OUTPUT CURRENT
16	**24 V DC**	**20 to 30 V DC**	**2 A**

Siemens 6ES5454-7LA11 is a sixteen-channel digital output module for the S5-115H platform. Its floating, optically isolated outputs switch 24 V DC loads at up to 2 A per channel, with the channels arranged in groups of four.

01 TECHNICAL DATA

Output channels	16
Rated load voltage	24 V DC
Load supply range	20 to 30 V DC
Rated output current	2 A
Lamp load	10 W
Maximum off-state current	1 mA
Channels per isolated group	4
Resistive switching frequency	100 Hz
Inductive switching frequency	0.27 Hz
Backplane current at 5 V	50 mA

02 ADDITIONAL PRODUCT DATA

Load-supply electronics current	8.5 mA per group
Power loss	20 W
Isolation test voltage	500 V AC
Shielded cable length	1000 m
Unshielded cable length	600 m

03 PRODUCT FUNCTION

The module accepts a 20–30 V DC load supply and uses electronic short-circuit protection. Resistive and inductive loads have different permitted switching rates, while the specified 10 W lamp limit and off-state current constrain the connected load selection.

04 SYSTEM COMPATIBILITY

Supply the load groups with 20–30 V DC and keep each output within its 2 A rating. The module uses optical isolation between the logic and field circuits; cable routing must preserve this separation and the specified shield connection.

05 REFERENCE

Siemens 6ES5454-7LA11 technical data and applicable product instructions

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