

Digital Output Module 16 x 115 to 230 V AC; 1 A, Floating

(6ES5 456-7LA11)

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Technical Specifications

Number of outputs	16
Galvanically isolated	yes (optocoupler)
- in groups of	4
Load voltage L1	
- rated value	115 / 230 V AC
- frequency	47 to 63 Hz
- permissible range	89 to 264 V
Output voltage	
- for "1" signal	min. L1 - 7 V
Output current for "1" signal	
- rated value	1 A
- permissible range	40 mA to 1 A
- lamp load	25 / 50 W
Leakage current for "0" signal	typ. 3 / 5 mA ¹
Parallel connection of outputs	not possible
Making capacity	depends on the size of the fuse
Permissible total current of outputs	100%
Short circuit protection (for each group)	fuse (10 A FF) (e.g. Wickmann 19231)
Fault indication (red LED for each group)	defective fuse
Switching frequency max.	10 Hz
Cable length	
- shielded	1000 m (3281 ft.)
- unshielded	300 m (984 ft.)
Isolation rating	according to VDE 0160
Rated isolation voltage (between groups)	250 V AC
- isolation groups	C
- tested at	1500 V AC
Rated isolation voltage (L1 to ground)	250 V AC
- isolation groups	C
- tested at	1500 V AC
Current consumption	
- from 5 V (internal) max.	70 mA
Power losses of the module	typ. 16 W
Weight	approx. 1.1 kg (2.43 lb.)

Terminal Assignment

Simplified Schematic

¹ Please note the max. dropout capacity of the connected loads (contactors of the 3TJ1 to 3TJ5 series and contactors of the SIMICOMT series cannot be triggered)!