MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES5454-7LA11

24 V DIGITAL OUTPUT MODULE

Used with the applicable SIMATIC S5-115H configuration.

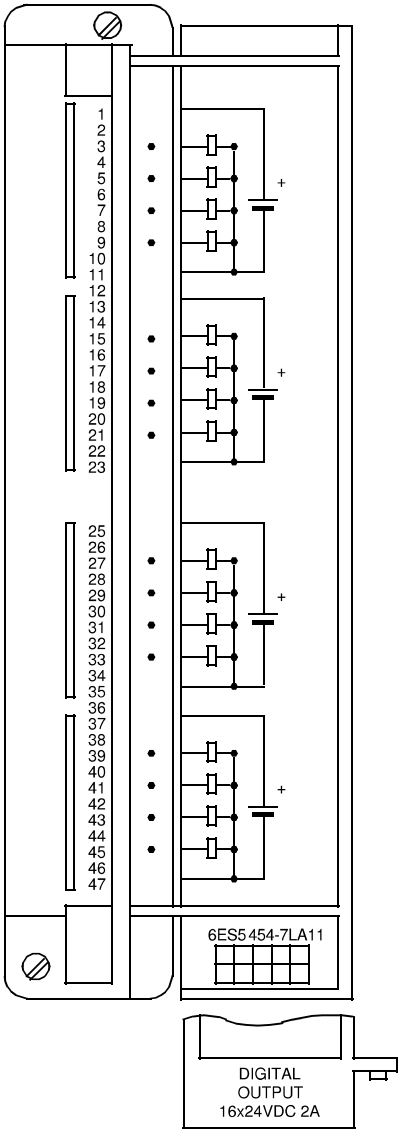
REFERENCE PACKAGE

OFFICIAL DOCUMENT

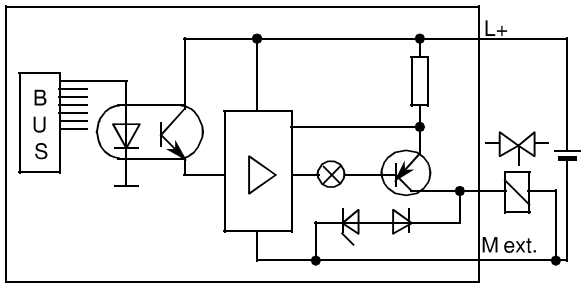
Selected official manufacturer pages follow this cover.

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

Digital Output Module 16 x 24 V DC; 2 A, Floating (6ES5 454-7LA11)



Terminal Assignment



Simplified Schematic

Technical Specifications

Number of outputs		16
Galvanic isolation		yes (optocoupler)
- in groups of		4
Load voltage L+		
- rated value		24 V DC
- permissible range		20 to 30 V
- surge voltage at t 0.5 sec.		35 V
Output voltage		
- for "1" signal	min.	L+ - 3 V
Output current for "1" signal		
- rated value		2 A
- lamp load	max.	10 W
Leakage current for "0" signal	max.	1 mA
Parallel connection of outputs		not possible
Permissible total current of outputs, per group		50% (related to the sum of the currents of a group)
Short circuit protection		electronic
Limitation of the voltage induced on circuit interruption		- 15 V
Switching frequency		
- inductive load	max.	0.27 Hz
- resistive load	max.	100 Hz
Cable length		
- shielded	max.	1000 m (3281 ft.)
- unshielded	max.	600 m (1969 ft.)
Isolation rating		according to VDE 0160
Rated isolation voltage (between groups)		30 V DC
- isolation group		C
- tested		500 V AC
Rated isolation voltage (L+ to ⏚)		30 V DC
- isolation group		C
- tested with		500 V AC
Current consumption		
- from 5 V (internal)		50 mA
- from L+ (without load)		8.5 mA / per group
Power losses of the module	typ.	20 W
Weight	approx.	1.1 kg (2.43 lb.)