

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 \perp)	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.)