

## 17.2.5 Digital Output Modules

Digital Output Module 32 x 24 V DC; 0.5 A, Nonfloating

(6ES5 441-7LA11)

Technical Specifications		
Number of outputs	32	
Galvanically isolated	no	
- in groups of	8	
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+ - 2.5 V
Output current		
to "1" signal		
- rated value	0.5 A	
- lamp load	max.	5 W
Leakage current		
to "0" signal	max.	1 mA
Parallel connection		
of outputs		not possible
Permissible total current		
of outputs		100% at 25°C and 50% at 55°C (related to the sum of the currents)
Short circuit protection		electronic
Limitation of the voltage		
induced on circuit interruption		- 15 V
Switching frequency		
- inductive load	max.	0.5 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
Current consumption		
- from 5 V (internal)		10 mA
- from L+ (without load)		17 mA/per group
Power losses of		
the module	typ.	20 W
Weight	approx.	0.7 kg (1.54 lb.)

**Terminal Assignment**

**Simplified Schematic**