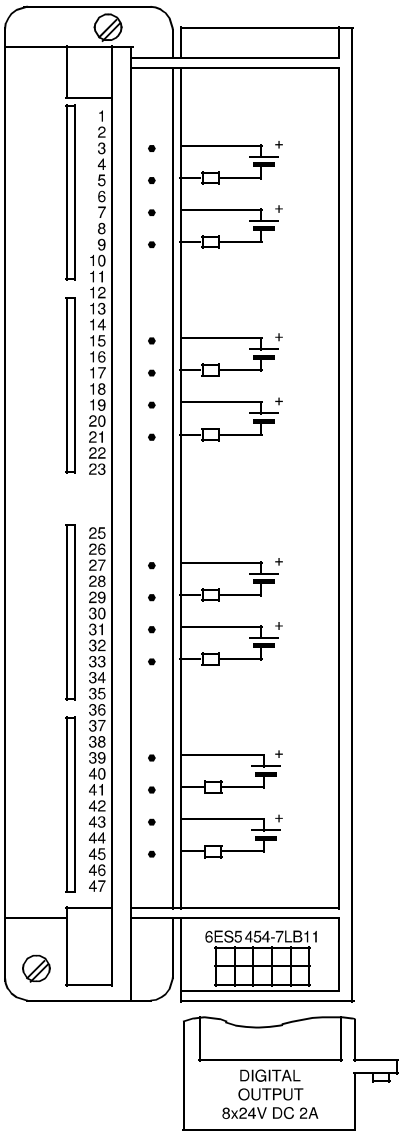
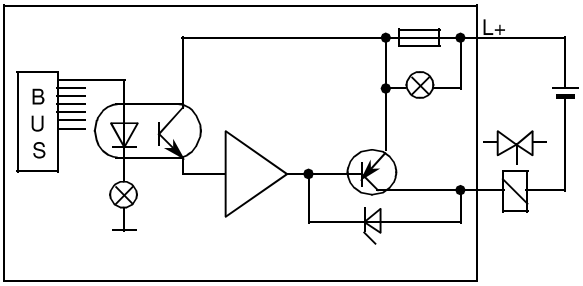
Digital Output Module 8 x 24 V DC; 2 A, Floating (6ES5 454-7LB11)



Terminal Assignment



Simplified Schematic

Technical Specifications

Number of outputs		8
Galvanically isolated		yes (optocoupler)
- in groups of		1
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		
- rated value		2 A
- lamp load	max.	10 W
Leakage current for "0" signal	maximum	1 mA
Parallel connection of outputs		possible
- maximum current		1 x rated current
Permissible total current of outputs, per group		100% at 25°C and 50% at 55°C (related to the sum of the currents of a group)
Short circuit protection (for each group)		with F 2.5 A fuse (e.g. Wickmann 19340)
Limitation of the voltage induced on circuit interruption	typ.	- 21 V
Switching frequency		
- inductive load	maximum	0.27 Hz
- resistive load	maximum	100 Hz
Cable length		
- shielded	maximum	1000 m (3281 ft.)
- unshielded	maximum	600 m (1969 ft.)
Isolation rating		according to VDE 0160
Rated isolation voltage (between groups)		30 V DC
- isolation group		C
- tested at		500 V AC
Rated isolation voltage (L+ to ⏚)		30 V DC
- isolation group		C
- tested at		500 V AC
Current consumption - from + 5 V (internal)	maximum	50 mA
Power losses of the module	typ.	20 W
Weight	approx.	0.8 kg (1.76 lb.)