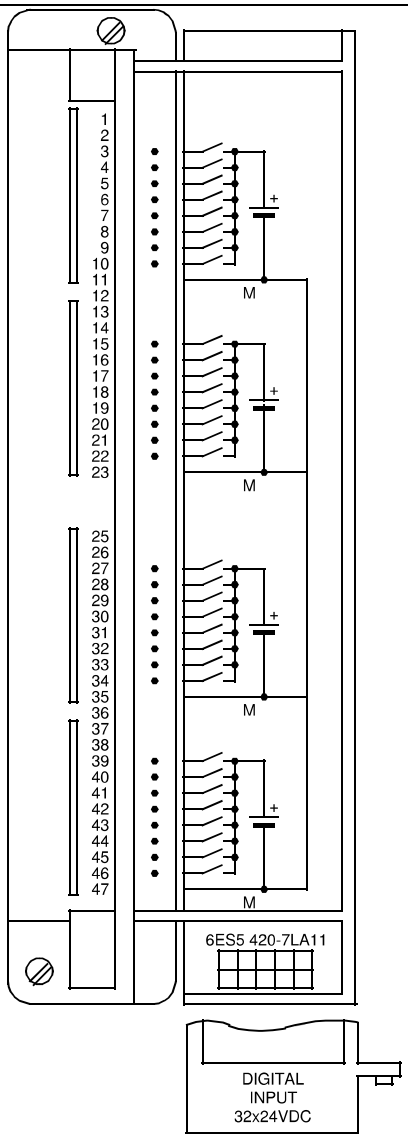
17.2.4 Digital Input Modules

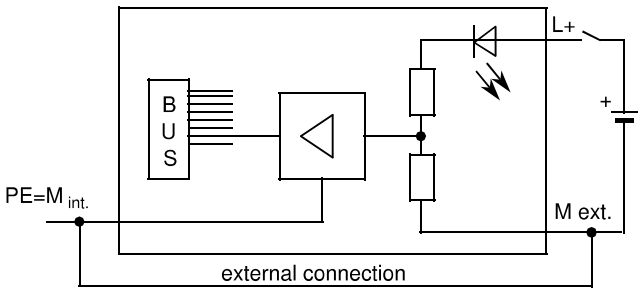
Digital Input Module 32 x 24 V DC, Nonfloating (6ES5 420-7LA11)



Terminal Assignment

Technical Specifications

Number of inputs		32
Galvanic isolation		no
Input voltage L+		
- rated value		24 V DC
- for "0" signal		-30 to +5 V
- for "1" signal		13 to 30 V
Input current		
- for "1" signal	typ.	8.5 mA
Delay time		
- from "0" to "1"		1.4 to 5 msec.
- from "1" to "0"		1.4 to 5 msec.
Cable length		
- shielded	max.	1000 m (3281 ft.)
- unshielded	max.	600 m (1969 ft.)
Isolation rating		according to VDE 0160
Connection of 2-wire BERO proximity switches		possible
- leakage (quiescent) current		1.5 mA
Current consumption		
- from 5 V (internal)		5 mA
Power losses of the module	typ.	6.5 W
Weight	approx.	0.7 kg (1.54 lb.)



Simplified Schematic