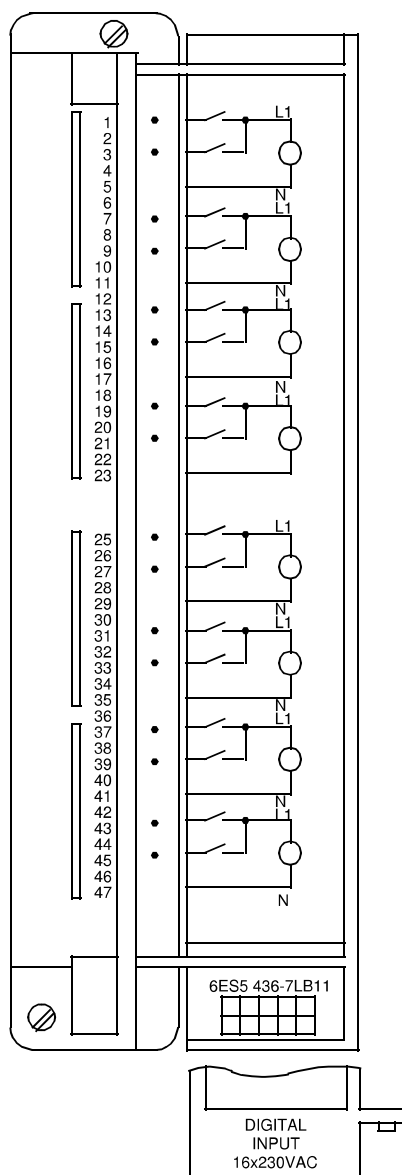
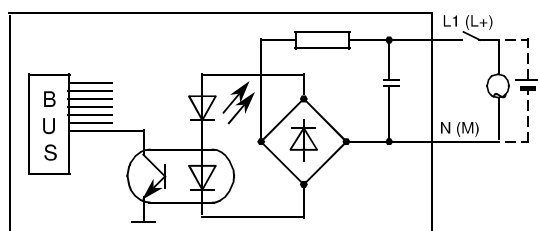


Digital Input Module 16 x 230 V AC

(6ES5 436-7LB11)



Terminal Assignment



Simplified Schematic

Technical Specifications

Number of inputs
Galvanically isolated
- in groups of

16
yes (optocoupler)
2

Input voltage L1

- rated value UC 230 V
- frequency 47 to 63 Hz
- for "0" signal 0 to 70 V
- for "1" signal 170 to 264 V

Input current

for "1" signal
- at AC, 50 Hz typ. 15 mA
- at DC typ. 2.2 mA

Response time

- from "0" to "1" 2 to 13 msec.
- from "1" to "0" 10 to 35 msec.

Cable length

- shielded 1000 m (3281 ft.)
- unshielded 600 m (1969 ft.)

Isolation rating

according to VDE 0160

Rated isolation voltage ¹

(between groups) 250 V
- isolation group C
- tested at 1500 V

Rated isolation voltage

(L1 to $\perp$) 250 V
- isolation group C
- tested at 1500 V

Connection of 2-wire
BERO proximity switches
- quiescent current

possible
3 mA

Current consumption

- from 5 V (internal) 5 mA

Simultaneity factor

(per group, for L1=264 V)
- at 25°C 100%
- at 55°C 75%

Power losses of
the module

typ. 11 W

Weight

approx. 0.7 kg (1.54 lb.)

¹ Connection of different phases is not permissible.