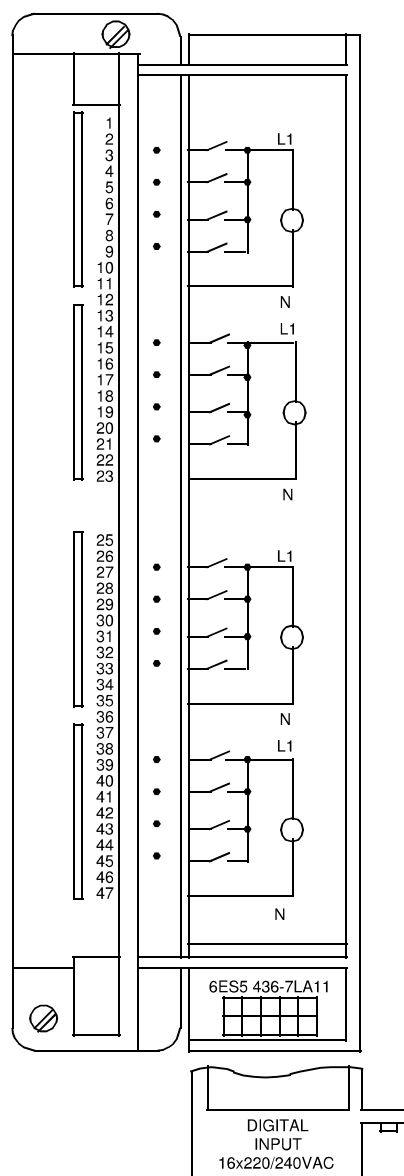
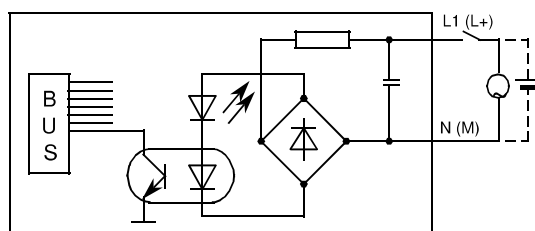


Digital Input Module 16 x 230 V AC, Floating

(6ES5 436-7LA11)



Terminal Assignment



Simplified Schematic

Technical Specifications

Number of inputs 16
Galvanically isolated yes (optocoupler)
- in groups of 4

Input voltage L1
- rated value 230 V AC
- frequency 47 to 63 Hz
- for "0" signal 0 to 70 V
- for "1" signal 170 to 264 V

Input current at "1" signal
- for AC, 50 Hz typ. 15 mA
- for 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 AC

Rated isolation voltage
(L1 to ---) 250 V
- isolation group C
- tested at 1500 V AC

Connection of 2-wire
BERO proximity switches possible
- quiescent current 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.