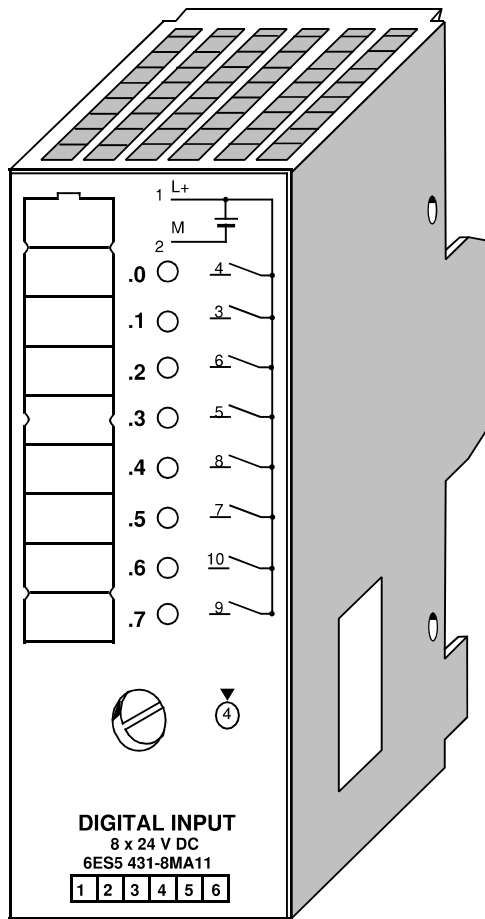


**Digital Input Module 8 x 24 V DC**

**(6ES5 431-8MA11)**



**Technical Specifications**

Number of inputs 8  
Galvanic isolation yes (optocoupler)  
- in groups of 8

Input voltage L+  
- rated value 24 V DC  
- "0" signal 0 to 5 V  
- "1" signal 13 to 33 V

Input current at "1" signal typ. 8.7 mA

Inherent delay  
- from "0" to "1" typ. 5.5 ms  
- from "1" to "0" typ. 4.5 ms

Length of cable - unshielded max. 100 m (330 ft.)

Insulation rating VDE 0160

Rated insulation voltage (+ 9 V to  $\perp$ ) 12 V AC  
- insulation group 2 x B  
- tested with 500 V AC

Rated insulation voltage (+ 9 V to L+) 30 V AC  
- insulation group 2 x B  
- tested with 500 V AC

Permissible ambient temperature of module  
- horizontal arrangement 0 to 60 °C (32 to 140 °F)  
- vertical arrangement 0 to 40 °C (32 to 104 °F)

Connection of 2-wire BERO proximity switches possible  
- residual current 1.5 mA

Current consumption - from + 9 V (CPU) typ. 32 mA

Power loss of the module typ. 2 W

Weight approx. 190 g (6.7 oz.)

