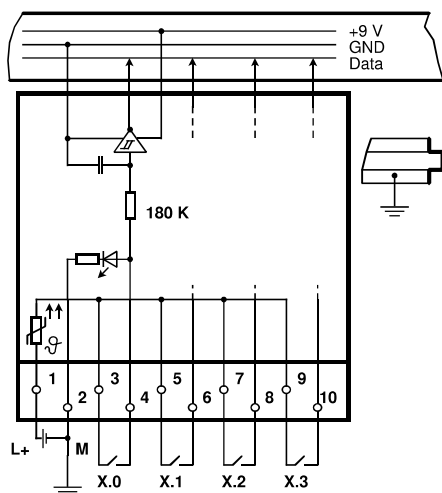
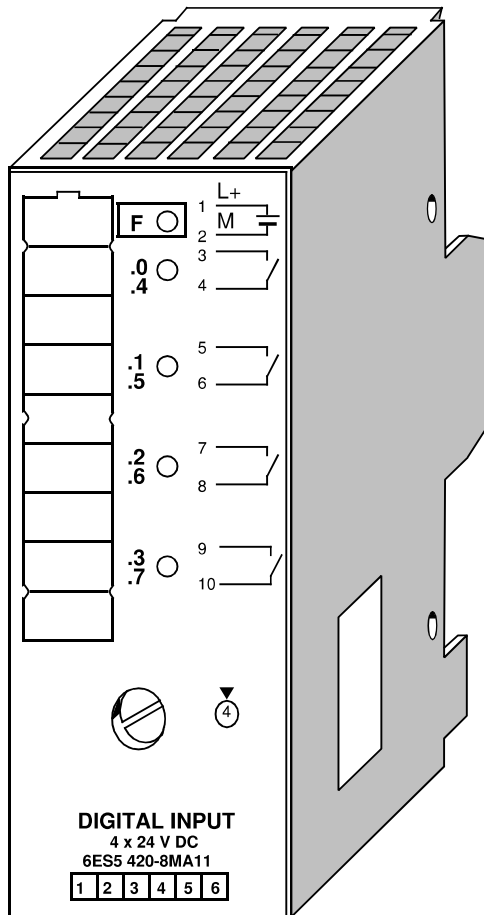


14.6 Digital Modules

14.6.1 Digital Input Modules

Digital Input Module 4 × 24 V DC

(6ES5 420-8MA11)

Technical specifications

Number of inputs	4
Galvanic isolation	no
- in groups of	4
Input voltage L+	24 V DC
- rated value	0 to 5 V
- "0" signal	13 to 33 V
- "1" signal	
Input current at "1" signal	typ. 7 mA
Inherent delay	
- from "0" to "1"	typ. 2.5 ms
- from "1" to "0"	typ. 5 ms
Length of cable	
- unshielded	max. 100 m (330 ft.)
Insulation rating	VDE 0160
Rated insulation voltage *	12 V AC
(+9 V to $\pm$)	1xB
- insulation group	
Fault LED (red)	no input voltage L+
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. 16 mA
Power loss of the module	typ. 0.8 W
Weight	approx. 205 g (7.2 oz.)

* Relevant only for isolated assembly in the ET 100/200U