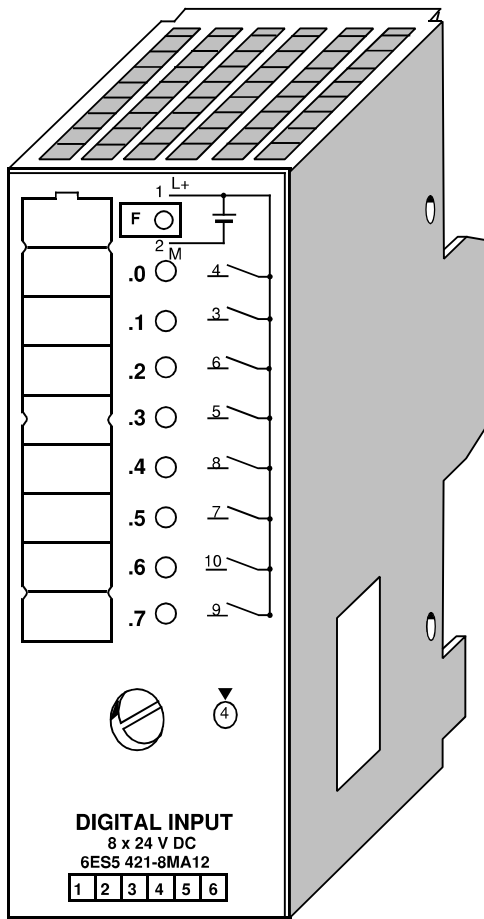


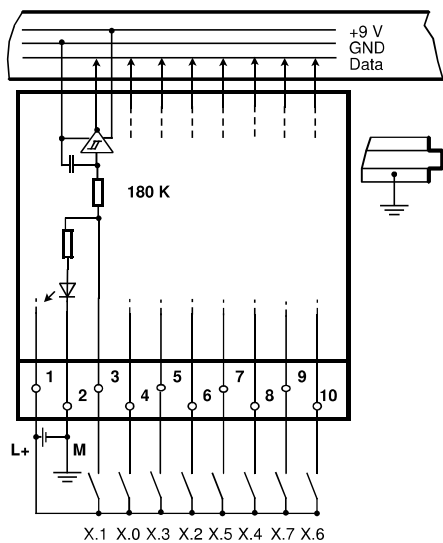
**Digital Input Module 8 x 24 V DC**

**(6ES5 421-8MA12)**



**Technical specifications**

Number of inputs	8
Galvanic isolation	no
- in groups of	8
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 at 24 V
Inherent delay	
- from "0" to "1"	typ. 2.3 ms
- from "1" to "0"	typ. 3.5 ms
Length of cable	
- unshielded	max. 100 m (330 ft.)
Insulation rating	VDE
Rated insulation voltage *	12 V AC
(+9 V to $\perp$ )	1xB
- insulation group	
Fault LED (red)	no input voltage L+/M
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. 34 mA
Power loss of the module	typ. 1.6 W
Weight	approx. 190 g (6.7 oz.)



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