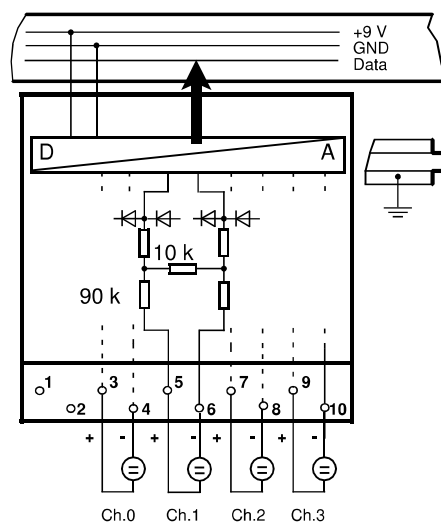
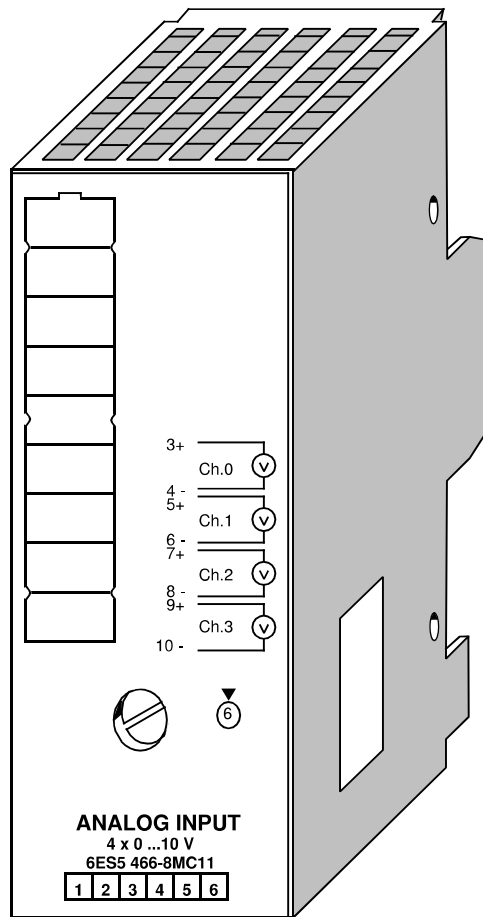


Analog Input Module 4 × +0 to 10 V

(6ES5 466-8MC11)



Analog Input Module 4 × +0 to 10 V (continued)

(6ES5 466-8MC11)

Technical specifications

Input ranges (rated values)	+0 to 10 V	Basic error limits	±0.4%
Number of inputs	4	Operational error limits (0 to 60 °C) (32 to 140 °F)	±0.6%
Galvanic isolation	no	Single errors - linearity - tolerance	±0.1% ±0.1%
Input resistance	100 k	Temperature error - final value - zero point	±0.01% K ±0.01% K
Connection for the signal sensor	2-wire connection	Length of cable - shielded	max. 200 m (660 ft.)
Digital representation of the input signal	8 bits (256 units = rated value)	Supply voltage L+	none
Representation of the measured value	binary *	Current consumption - from + 9 V (CPU)	typ. 100 mA
Measuring principle	successive approximation	Power loss of the module	typ. 0.9 W
Conversion time	100 µs	Weight	approx. 200 g (7 oz.)
Encoding time per input	5 ms		
Permissible voltage difference - between inputs	max. ±1 V		
Permissible input voltage (destruction limit)	max. 60 V DC		
Fault indication for - range exceeded - sensor wire break - general indication of wire break	no no no		
Noise suppression - common mode interference ($V_{PP}=1$ V) min.	86 dB		

*

Units	Input voltage in V	Bit							
		B7	B6	B5	B4	B3	B2	B1	B0
255	9.961	1	1	1	1	1	1	1	1
254	9.922	1	1	1	1	1	1	1	0
192	7.500	1	1	0	0	0	0	0	0
191	7.461	1	0	1	1	1	1	1	1
128	5.000	1	0	0	0	0	0	0	0
127	4.961	0	1	1	1	1	1	1	1
64	2.500	0	1	0	0	0	0	0	0
63	2.461	0	0	1	1	1	1	1	1
1	0.039	0	0	0	0	0	0	0	1
0	0.000	0	0	0	0	0	0	0	0