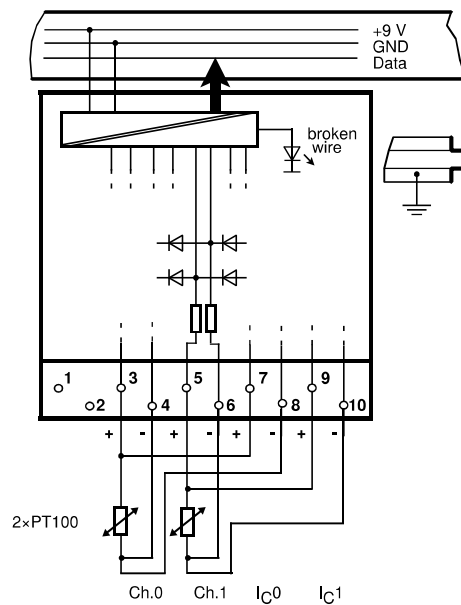
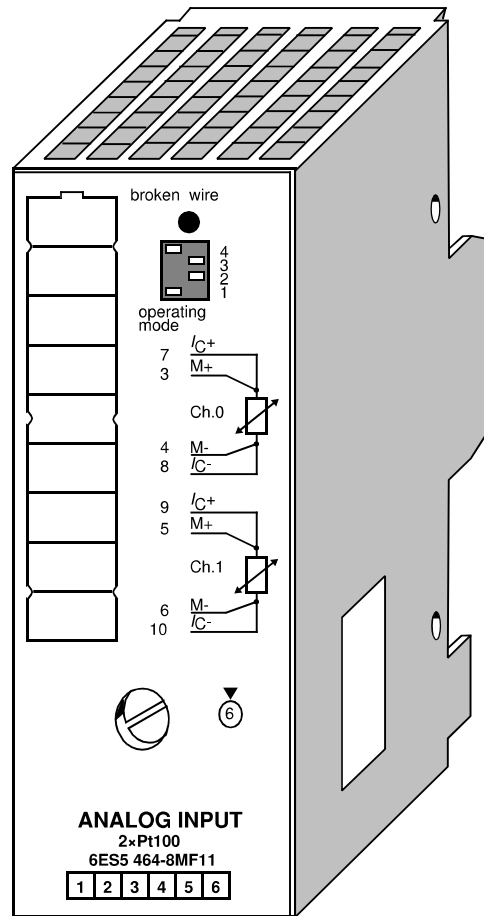


Analog Input Module 2 x PT 100/±500 mV

(6ES5 464-8MF11)



Analog Input Module 2 × PT 100/±500 mV (continued)

(6ES5 464-8MF11)

Technical specifications				
Input range (rated values)				Noise suppression for $f = nx$ (50/60 Hz ± 1%) $n = 1, 2, \dots$
- resistance sensor (PT 100)	0 to 200 (max. 400)			- common mode rejection ($V_{pp}=1$ V)
- voltage sources	± 500 mV		min.	86 dB
Number of inputs	1 or 2 (selectable)		min.	40 dB
Galvanic isolation	yes (inputs to grounding point; not between inputs)			- series mode rejection (peak value of noise < rated value of input range)
Input resistance	10 M			Basic error limits
Connection method of sensors	two or four-wire connection			± 0.15%
Digital representation of input signal	12 bits + sign (2048 units = rated value)			Operating error limits (0 to 60 °C) (32 to 140 °F)
Measured value representation	two's complement (left-justified)			± 0.4%
Measuring principle	integrating			Single errors
Conversion principle	voltage-time conversion (dual slope)			- linearity
Integration time (adjustable for optimum noise suppression)	20 ms at 50 Hz 16.6 ms at 60 Hz			- tolerance
Encoding time per input				- polarity reversal error
- for 2048 units	max. 60 ms at 50 Hz			Temperature error
- for 4095 units	max. 50 ms at 60 Hz max. 80 ms at 50 Hz max. 66.6 ms at 50 Hz			- final value
Permissible voltage difference				- zero point
- between inputs	max. ± 1 V			Length of cable
- between inputs and central ground point	max. 75 V DC/60 V AC		max.	- shielded
Permissible input voltage (destruction limit)	max. 24 V DC			200 m (660 ft.)
Fault indication for				Supply voltage L+
- range exceeded	yes (more than 4095 units)			Auxiliary current for PT 100
- sensor wire break	yes (selectable)			none
- general indication of wire break	red LED			2.5 mA
				Resistance sensor
				- tolerance
				- temperature error
				- load dependency
				Insulation rating
				VDE 0160
				Rated insulation voltage (+9 V to $\perp$)
				12 V AC
				- insulation group
				1 × B
				- tested with
				500 V AC
				Rated insulation voltage (inputs to + 9 V)
				- insulation group
				1 × B
				- tested with
				500 V AC
				Current consumption
				- from + 9 V (CPU)
			typ.	70 mA
				Power loss of the module
			typ.	0.9 W
				Weight
			approx.	230 g (8 oz.)