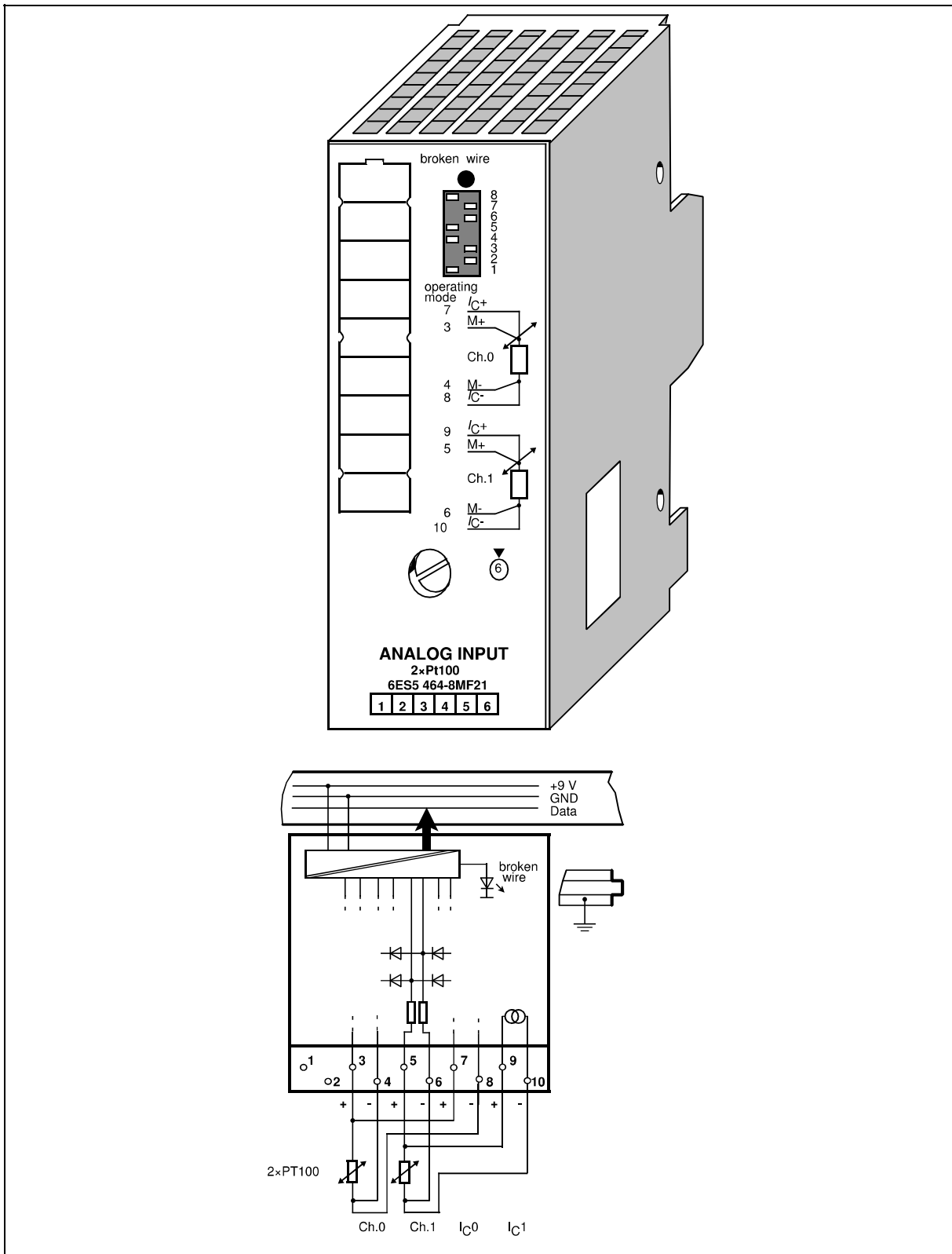


Analog Input Module 2 x PT 100/±500 mV

(6ES5 464-8MF21)



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

(6ES5 464-8MF21)

Technical specifications				
Input range (rated values)				Noise suppression for $f = nx$ (50/60Hz ± 1%); $n = 1, 2, \dots$
- resistance sensor (PT 100)	0 to 200 (max. 400)			- common mode rejection ($V_{PP} = 1 \text{ V}$)
- voltage source	± 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			Operational error limits (0 to 60 °C) (32 to 140 °F)
Digital representation of input signal	12 bits + sign (2048 units = rated value)			Single errors
Measured value representation	two's complement (left-justified)			- linearity
Measuring principle	integrating			- tolerance
Conversion principle	voltage-time con- version (dual slope)			- polarity reversal error
Integration time (adjustable for optimum noise suppression)	20 ms at 50 Hz 16.6 ms at 60 Hz			Temperature error
Encoding time per input				- final value
- for 2048 units	max. 60 ms at 50 Hz			- zero point
- for 4095 units	max. 50 ms at 60 Hz max. 80 ms at 50 Hz max. 66.6 ms at 60 Hz			Linearization exactness in rated range
Permissible voltage difference				Characteristic linearization of PT 100-charac- teristic curve
- 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			Supply voltage L + Auxiliary current for PT 100
Fault indication for - range exceeded	yes (more than 4095 units)			Resistance-type sensor
- sensor wire break	yes (selectable)			- tolerance
- general indication of wire break	red LED			- temperature error
				- influence of load variation
				Insulation rating
				Rated insulation voltage (+9 V to $\pm$)
				- insulation group
				- tested with
				Rated insulation voltage (inputs to + 9V)
				- insulation group
				- tested with
				Current consumption
			typ.	- from + 9 V (CPU)
				Power loss of the module
			typ.	Weight
			approx.	