



Analog input module, voltage transmitter

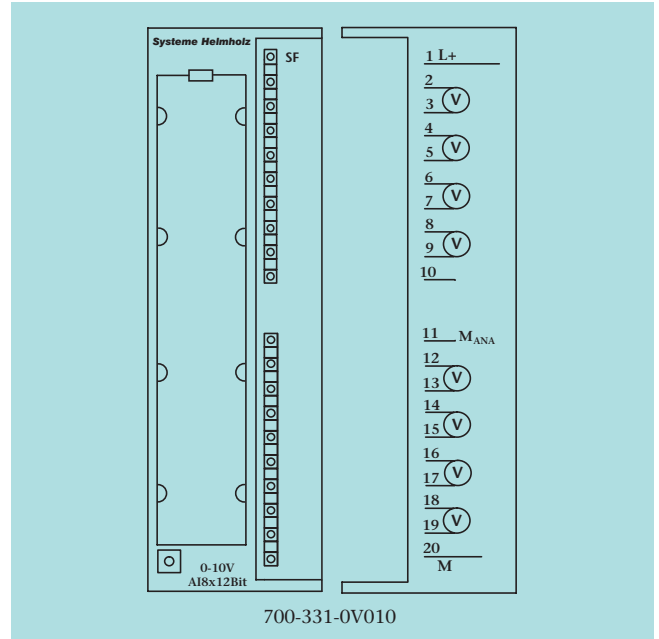
The analog input module is suitable for connection of voltage transmitters in the range up to ±10 V. The signal lines are connected to the corresponding front connectors and can be marked in the label field. The modules can be fully parameterized with the hardware configurator of the programming software. A hardware configuration is not necessary (no measuring range module).

Accessories note

Front connectors and preassembled cables are available as accessories (see pages 106-109).



Open-type programmable controllers for use in hazardous locations, Class I, Div. 2 Groups A, B, C, D T6 including Class I Zone 2 IIC.



TECHNICAL DATA

Number of inputs	8
Alarms	
· Limit alarm	Parameterizable
· Diagnostic alarm	Parameterizable for channels 0 and 2
Diagnostics	Red LED for group error indicator
Load voltage L+/L-	DC 24 V
Reverse polarity protection	Yes
Input ranges	
Voltage/input resistance	±80 mV/10 M Ω ±250 mV/10 M Ω ±500 mV/10 M Ω ±1 V/10 M Ω ±2.5 V/100 k Ω ±5 V/100 k Ω 1 ... 5 V/100 k Ω ±10 V/100 k Ω
Permissible input voltage for voltage input	max. 20 V
Electrically isolated from backplane bus	Yes
Conversion time / resolution (per channel)	
· Integration time	2.5/16.6/20/100 ms
· Noise suppression for interference frequency	400/60/50/10 Hz
· Resolution (VZ = sign) (depending on the integration time)	9 + VZ / 12 + VZ / 12 + VZ / 14 + VZ bit
Operational limit	max. ±0.6 %
Basic error limit at 25 °C	max. ±0.5 %
Cable length (shielded)	max. 200 m (50 m at ±80 mV)
Current draw	
· Internal (from backplane bus)	typ. 120 mA
· External (L+)	max. 200 mA
Power dissipation	typ. 1.8 W
Front connector	20-pin
Ambient temperature	0 °C ... +60 °C
Transport and storage temperature	-25 °C ... +75 °C

ORDERING DATA

ORDER NO.

AEA 300, analog input module 8 voltage inputs, for connection voltage transmitters, 0–10 V	700-331-0V010
AEA 300 Manual, German/English	900-331-0AA01