700-331-1KF01



Input module analog for 300s

8x I, U, R

- Configurable inputs

Info

The analog input module is suitable for connection of current transmitters in the range up to ± 20 mA, voltage transmitters in the range up to ±10 V, Pt100/Ni100 sensors, and resistors.

All inputs can be programmed either as voltage or current inputs for Pt100/Ni100 sensors and resistors, freely selectable in their combination.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).

Technical data

General information	
Order number	700-331-1KF01
Article name	AEA 300, 8 inputs, for connection of current, voltage transmitters, resistors
Scope of delivery	AEA 300, 8 inputs, for connection of current, voltage transmitters, resistors
Dimensions (DxWxH)	116 x 40 x 125 mm
Weight	Approx. 220g
Power dissipation (nominal operation)	ca. 0.8 W
Front connectors	40-pin
Measuring ranges	
Voltage	±50 mV, ±500 mV, ±1 V, ±5 V, ±10V, 1 ... 5V, 0 ... 10 V
Current	±20 mA, 0 ... 20 mA, 4 ... 20 mA
Resistance	0 ... 6 kΩ, 0 ... 600 Ω
Resistance thermometer (standard and climate)	Pt100, Ni100, Ni1000, LG-Ni1000
Basic error limit at 25 °C	
Voltage input	±0.4 %
Current input	±0.4 %
Resistance	±0.4 %
Resistance thermometer	± 0.8 K Pt100 standard, ±1 K
Operational error limit in the entire temperature range	
Voltage input	±0.6 %
Current input	±0.6 %
Resistance	±0.6 %
Resistance thermometer	±1 K, Pt100, Ni100, standard ±1.2 K
Voltage supply	
Voltage supply	5 V DC via backplane bus
Current draw	Typ. 160 mA at 5 V (from backplane bus)
Ambient conditions	
Ambient temperature	0 °C ... +60 °C
Transport and storage temperature	-25 °C ... +75 °C
Pollution degree	2
Protection rating	IP20
Approvals	CE