

## AEA 300, analog input module for connecting current transmitters



Analog input module, current transmitter

The analog input module is suitable for connection of current transmitters in the range up to  $\pm 20$  mA. 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.

**ORDERING DATA**

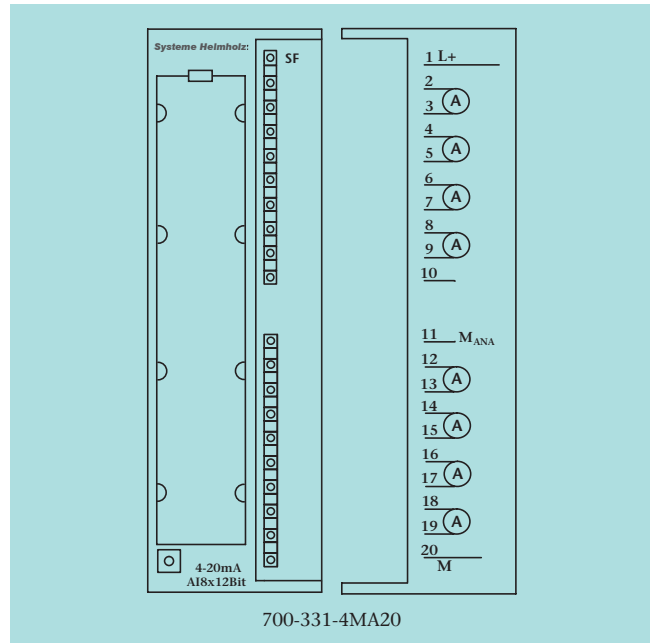
AEA 300, analog input module  
8 current inputs, for connection  
of current transmitters, 4–20 mA

AEA 300 Manual, German/English

**ORDER NO.**

700-331-4MA20

900-331-0AA01

**TECHNICAL DATA**

Number of inputs	8
<b>Alarms</b>	
· 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
<b>Input ranges</b>	
· Current, 4 DMU	$\pm 3.2$ mA/25 $\Omega$ $\pm 10$ mA/25 $\Omega$ 0 ... 20 mA/25 $\Omega$ 4 ... 20 mA/25 $\Omega$ $\pm 20$ mA/25 $\Omega$ 4 ... 20 mA/25 $\Omega$
· Current, 2 DMU	$\pm 20$ mA/25 $\Omega$ 4 ... 20 mA/25 $\Omega$
Permissible input current for current input	Max. 40 mA
Electrically isolated from backplane bus	Yes
<b>Conversion time/resolution (per channel)</b>	
· 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. $\pm 0.6$ %
Basic error limit at 25 °C	max. $\pm 0.5$ %
Cable length (shielded)	200 m
<b>Current draw</b>	
· 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