

**Features**

- 1- or 2-channel isolated barrier
- Input 0/4 mA ... 20 mA or 0/2 V ... 10 V
- Output 0/4 mA ... 20 mA
- Short-circuit proof outputs
- Voltage current converter (optional)

**Function**

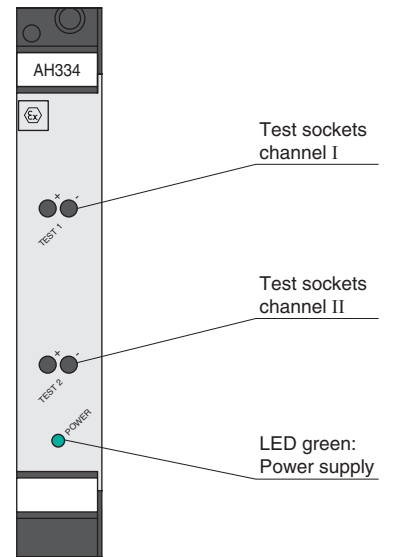
The device can be used as an interface between electrical signals from the hazardous area to the safe area.

The device sends 0/4 - 20 mA signals to I/P converters, indicators, positioners e.g. valves in hazardous area.

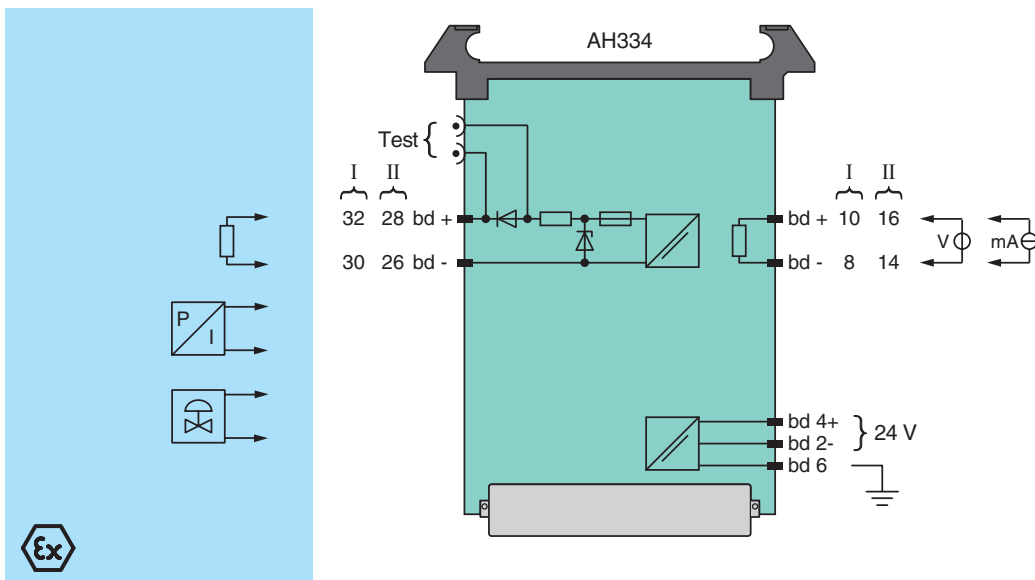
Single- or twin channel versions are available.

**Assembly**

Front view



**Connection**



Release date 2012-05-22 12:20 Date of issue 2012-05-22 541894\_eng.xml

<b>General specifications</b>	
Signal type	Analog output
<b>Supply</b>	
Connection	bd2-, bd4+, bd6 (PE)
Rated voltage	20 ... 30 V DC 20 ... 26.4 V AC
Power consumption	2.6 W / 4 VA
<b>Input</b>	
Connection	input I: bd10+, bd8- input II: bd16+, bd14-
Input resistance	25 Ω
<b>Output</b>	
Connection	output I: bd32+, bd30- output II: bd28+, bd26-
Load	600 Ω
Response time	100 ms (10 ... 90%)
<b>Transfer characteristics</b>	
Influence of temperature	< 0.1 %/10 K
Linearity	< 0.1 %
<b>Indicators/settings</b>	
Display elements	LED green: Power on
<b>Directive conformity</b>	
Electromagnetic compatibility	
Directive 2004/108/EC	The device has been used for the same applications for several years. It therefore features an appropriate electromagnetic field immunity. The device must not be used in new plants.
<b>Conformity</b>	
Electrical isolation	EN 50178
Protection degree	IEC 60529
<b>Ambient conditions</b>	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Relative humidity	< 75 % (annual mean) < 95 % (30 d/year), no moisture condensation
<b>Mechanical specifications</b>	
Protection degree	IP20 (installed in 19" rack)
Connection	plug connector acc. to DIN 41612, 32-pin, type F, rows b and d provided, b and d internal connected
Mass	approx. 250 g
Dimensions	22 x 143 x 193 mm (0.9 x 5.6 x 7.6 in)
Construction type	Eurocard 100 x 160 mm (3.9 x 6.3 in) acc. to DIN 41494, front panel 4TE, mountable in 19" rack
Coding	b24 (see "Notes")
<b>Data for application in connection with Ex-areas</b>	
EC-Type Examination Certificate	PTB 02 ATEX 2176 X , for additional certificates see <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a>
Group, category, type of protection	⊕ II (1/2) GD [Ex ia/ib] IIC
Voltage U <sub>o</sub>	27.3 V
Current I <sub>o</sub>	93 mA
Power P <sub>o</sub>	635 mW
Directive conformity	
Directive 94/9/EC	EN 50014:1997+A1 +A2, EN 50020:2002
<b>General information</b>	
Supplementary information	EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a> .

**Ordering information**

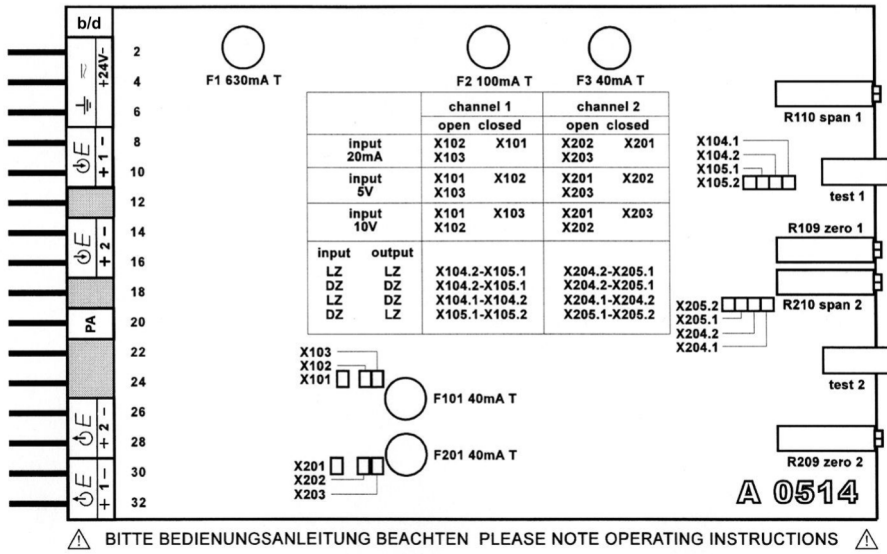
Type	Input/Output	Channels	Ex protection	Model number
AH334	0/4 mA ... 20 mA	2	ia/ib	GHG125 2321 N 1306

Level conversion via plug-in jumper.

Voltage input can be activated via soldered jumper (5 V, 10 V).

Release date 2012-05-22 12:20 Date of issue 2012-05-22 541894\_eng.xml

Operating elements



LZ = Life zero  
DZ = Dead zero

Notes

