



4-channel Analog Input

Current sinking

808-HI-04

- ◆ passive inputs for 0/4 to 20 mA
- ◆ short and break detection
- ◆ isolation, input to bus and input to power
- ◆ common return for all inputs
- ◆ 4-channel, EEx ia IIC
- ◆ transmission of HART® frames

MODULE SPECIFICATION

See also System Specification

INPUT

Input current0/4 to 20 mA
 Range0 to 24 mA
 Input impedance250 ohm
 Line-break / short circuit det.< 2 mA (4 to 20 mA)

EXPLOSION PROTECTION

Certificate numberPTB 01 ATEX 2137X
 Max. short-circuit current $I_0 = 16$ mA
 Voltage $U_0 = 7.2$ V
 Performance $P_0 = 29$ mW

DIAGNOSTIC INFORMATION

System / Module power onLED green / red
 Line break or short circuitLED 1 to 4, red

Via fieldbus

Line-break or short-circuitper channel
 Over/under-rangeper channel
 Simulationper channel
 Communication, hardwarefor each I/O module

CHARACTERISTICS AT RATED CONDITIONS

Accuracy incl. nonlinearity< 0.1 %
 Digital Accuracy14 bit
 Linearity< 0.05 %
 Temperature effect< 0.05 % / 10 K
 Response time50 ms (10% -> 90%)
 50/60 Hz filter> 30 dB
 Damping per softwarePT1
 Total power consumption< 2W

