

4-channel Analog Output



4-20 mA, isolated

804-AO-04

- ◆ output signal 0/4 -20 mA for actuators
- ◆ short and break detection
- ◆ isolation, output to bus and output to power
- ◆ isolation channel to channel
- ◆ 4-channel, EEx ia IIC



MODULE SPECIFICATION

See also *System Specification*

OUTPUT

Output current	.....0/4 to 20 mA
Range	.....0 to 24 mA
Load	.....700 ohm (20 mA)
Short-circuit detection	.....< 100 ohm
Line-break detection	.....< 2 mA

EXPLOSION PROTECTION

Certificate number	.....PTB 01 ATEX 2142
Max. short-circuit current	.....$I_0 = 80$ mA
Voltage	.....$U_0 = 18.9$ V
Performance	.....$P_0 = 510$ mW
External inductance	.....$L_0 = 2$ mH
External capacitance	.....$C_0 = 100$ nF

DIAGNOSTIC INFORMATION

System/Module power on	.....LED green / red
Line break or short circuit	.....LED 1 to 4, red

Via fieldbus

Break, short	.....per channel
Over/under-range	.....per channel
Simulation	.....per channel
Communication, hardware	.....for each I/O module

CHARACTERISTICS AT RATED CONDITIONS

Accuracy incl. nonlinearity	.....< 0.1 %
Digital Accuracy	.....13 bit
Linearity	.....< 0.05 %
Temperature effect	.....< 0.05 % / 10 K
Response time	.....50 ms (10% -> 90%)
Total power consumption	.....< 3.1 W

