



DUAL SIGNAL POWERED ISOLATOR v2 BDSI233

DESCRIPTION

The BDSI233 provides galvanic isolation where common mode voltages or earth loop problems occur. The BDSI233 contains two identical signal powered isolators each similar to the BSP1232. Each channel is powered by the input signal, therefore it can only be offered in current input versions with a zero offset. (4 - 20mA, 10 - 50mA). The standard input output configuration is 4-20mA to 4-20mA. Each channel is fully isolated from each other and both have full input output isolation. Load trim adjustment (full scale) is conveniently placed on the module front for each channel. Zero tracking is automatic and requires no adjustment.

General Specifications

| | |
|---|--|
| Size: | 23.5W x 71.5H x 109D (mm). |
| Mounting: | Clip for 35mm DIN-Rail. |
| Housing material: | ABS. |
| Connection: | Screw terminals. |
| Weight: | 100 g. |
| Protection class: | IP40 (IP65 Enclosure optional.) |
| Repeatability: | <0.1% SPAN. |
| Linearity error: | <0.1% SPAN. |
| Temperature drift: | <0.02% per °C. |
| Response time: | 0.2 sec for T90 standard. |
| Input drive voltage: | 7.5 - 8.5V |
| Output load range: | 0 - 250 Ω. |
| Operating temp. range: | -10...+60°C. |
| Storage temp. range: | -20...+70°C. |
| Input/output and channel / channel isolation: | 2kV r.m.s. continuous. |
| Electromagnetic compatibility: | Complies with EN 50081-1, EN 50082-2, EN 61010-1 |

* NOTE: The input voltage drop for the BDSI233 required from the loop drive is 7.5 to 8.5V.



TYPE NO. DESIGNATION

BDSI233 - X X X X

Input 1 :

1 = 4 - 20mA.

*) 9 = Other (Consult factory).

Output 1 :

1 = 4 - 20mA.

*) 9 = Other (Consult factory).

Input 2 :

1 = 4 - 20mA.

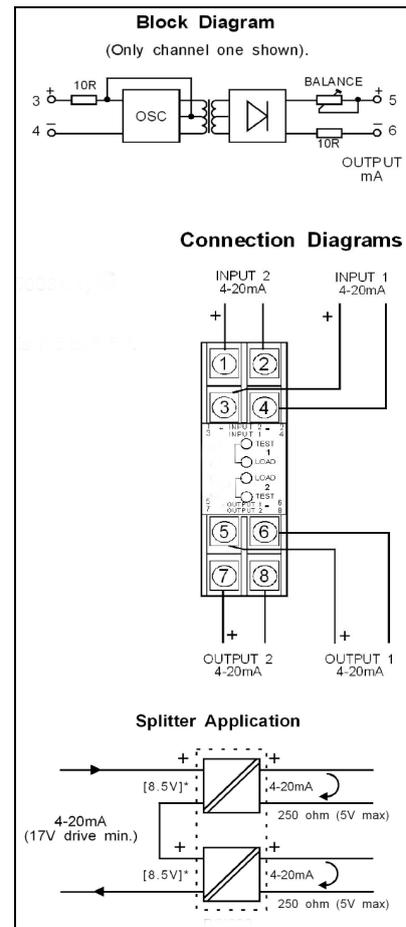
*) 9 = Other (Consult factory).

Output 2 :

1 = 4 - 20mA.

*) 9 = Other (Consult factory).

*) Price Extra.



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