

- **Low cost**
- **Passive and active variants available**
- **4...20/4...20 conversion**
- **3750 VAC isolation level**
- **Increased input protection**
- **Other inputs on request (active variant)**
- **Mounting on DIN rail or in IP65 protection box**

**DESCRIPTION**

The LOOP POWERED ISOLATOR BLPI732 provides galvanic isolation where common mode voltages or earth loop problems occur. Due to its total width of only 17.5mm and the 35mm DIN-Rail mounting arrangement the BLPI732 is ideal for "nestmounting" in field enclosures or as a "space saver" in larger control cabinets. The BLPI632 isolator providing optical isolation between the input and output current loops. The isolation level is 3750 VAC. These signal isolators are entirely passive devices; they do not generate any supply voltages and do not need any additional supply for operating. The input part is powered by the input current loop (4...20 mA) and the output part is powered by the output current loop. Thanks to the use of high sophisticated electronics for its manufacturing.

**General Specifications**

<b>Size:</b>	17.5W x 75H x 60D mm (80W x 80H x 60Dmm IP65).
<b>Mounting:</b>	Clip for 35mm DIN-Rail.
<b>Housing material:</b>	Plastic
<b>Connection:</b>	Screw terminals.
<b>Weight:</b>	50g. (120g IP65)
<b>Protection class:</b>	IP20 (IP65 Enclosure opt.)
<b>Temperature drift:</b>	<0.03% from span for 1°C.
<b>Accuracy error:</b>	<±0.15% from span
<b>Input/output isolation:</b>	3750VAC for 1min
<b>Operating temp. range:</b>	-25...+70°C.
<b>Storage temp. range:</b>	-35...+85°C.

**INPUT**

<b>Input current:</b>	4-20 mA
<b>Operation range:</b>	3,5-21mA
<b>Over-current protection:</b>	40mA
<b>Surge-voltage protection:</b>	6,8V
<b>Over-voltage protection:</b>	39V surge, 90V discharge
<b>Input voltage drop:</b>	Less than 2,6V

**OUTPUT**

<b>Output current:</b>	4-20 mA
<b>Operation range:</b>	3-22mA
<b>Over-scale limit:</b>	32mA
<b>Loop supply voltage passive:</b>	8-32VDC 2-wire
<b>Supply voltage active:</b>	24VDC ±10% 3-wire
<b>Output load range:</b>	0 - 620 Ω. at 24V/20mA
<b>Output signal at input brake:</b>	Less than 2 mA
<b>Over-voltage protection:</b>	39V

**Electromagnetic compatibility:** Complies with EN 50081-1, EN 50082-2, EN 61010-1

**ORDER INFORMATION****BLPI732**

<b>TYPE</b>	<b>MOUNTING</b>	<b>INPUT OPTION (ACTIVE)</b>
0 Passive	C DIN-rail	X Specify
1 Active	D IP65 box	