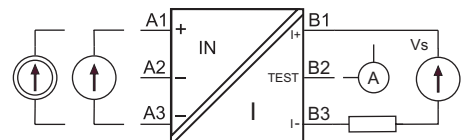
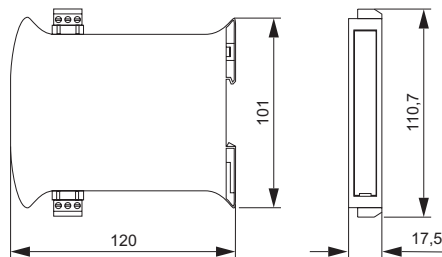


- Galvanic separation input/output.
- Current output 4...20 mA (current loop).
- Signal conversion between input and output.
- High reliability and accuracy.
- Detachable, fast and reliable wire connectors.
- Slim, rail and fast click mounted housing.
- Single or dual independent channels.
- Special versions on request.

3 years warranty



The LXA-X11 isolator is dedicated for separation analog input signal from the output line 4...20 mA. A device works as a current loop regulator with galvanic separation between input and output. The LXA-X11 is self powered from the current loop. User may choose one of the factory preset current (0...5 mA, 0...20 mA, 4...20 mA) or voltage (0...10V) input. There is possibility to deliver device for non-standard signals on demand.



Order LXA-X11 using the following code:

Channel 1 ——— Channel 2
LXA - □ 11 - □ 11

| Input signal | Code |
|--------------|------|
| 0...20mA | 0 |
| 4...20mA | 2 |
| 0...5mA | 3 |
| 0...10V | 4 |
| On request | S |

Notes :

1. Single channel version - specify only channel 1, eg. LXA - 211.
2. Order code for channel 2 specify like for channel 1.

Input

| | |
|-------------------------------|--------------------------------------|
| ■ input span (factory preset) | 0...5mA, 0...20mA, 4...20mA, 0...10V |
| ■ input resistance | |
| - current input | $\leq 100\Omega$ |
| - voltage input | $\geq 500k\Omega$ |
| ■ overload | $\leq 200\%$ input span |

Output

| | |
|------------------------------------|------------------|
| ■ output signal | 4...20 mA |
| ■ permissible load resistance (RI) | see load diagram |
| ■ load variation influence | $\leq 0.03\%$ |

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| | |
|------------------------------|----------------------|
| ■ basic accuracy | $\leq 0,1\%$ |
| ■ response time (10..90%) | $\leq 0,2$ s |
| ■ galvanic separation (test) | 1.5kV AC, 50Hz, 1min |
| ■ warm up time | 15min |

Power supply

| | |
|--------------------------------------|-----------------------|
| ■ supply voltage (Vs) | 9...30 VDC |
| ■ supply voltage variation influence | 0.03% |
| ■ permissible ripple | $\leq 4V_{pp}$, 50Hz |

Temperature

| | |
|-------------------------|-------------------------|
| ■ operating temperature | 0...70°C |
| ■ temperature influence | $\leq 0.01\%/^{\circ}C$ |

Environment conditions

| | |
|-----------------------------|-------------|
| ■ storage temperature | -20...85°C |
| ■ humidity (non-condensing) | $\leq 90\%$ |
| ■ working position | any |

Housing

| | |
|--------------------------------|--|
| ■ material | molded PC/ABS |
| ■ protection housing/terminals | IP20/IP20 |
| ■ wire connections | plugs with screw terminals 1.5 mm ² |
| ■ dimensions | see drawings on the first page |
| ■ weight (single/dual channel) | ~ 100g/140g |

Diagrams