### Type

**Rail mounted analog isolator**

### Features

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

### Description

The LXA-U11 universal analog isolator is dedicated for separation an analog input signal from the output line 4...20 mA. A device works as a current loop regulator with galvanic separation between input signal and output. The LXA-U11 is self powered from the current loop. Front jumpers allow for easy and comfortable setting input signal. User may to choose one of the current signal (0...5 mA, 0...20 mA, 4...20 mA) or voltage (0...10V). Front jumpers are covered by transparent protection cover. There is possibility to deliver device for non-standard signals on demand.

### Specifications

- **Dimensions/Connect.**
  - Width: 120 mm
  - Height: 110.7 mm
  - Depth: 17.5 mm

### Programming

The input signal is programmable via DIP switch located on the front panel.

<table>
<thead>
<tr>
<th>DIP Switch Setup</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 0 1 0</td>
<td>4...20 mA</td>
</tr>
<tr>
<td>0 0 0 1</td>
<td>0...20 mA</td>
</tr>
<tr>
<td>0 1 0 0</td>
<td>0...5 mA</td>
</tr>
<tr>
<td>0 0 0 0</td>
<td>0...10 V</td>
</tr>
</tbody>
</table>

**It is recommended to set input range before installation.**

### Ordering

Order LXA-U11 using the following code:

**LXA - U11**
### Specifications

#### Input
- input span (jumper selected): 0...5mA, 0...20mA, 4...20mA, 0...10V
- input resistance:
  - current input ≤ 100Ω
  - voltage input ≥ 500kΩ
- overload ≤ 200% input span

#### Output
- output signal: 4...20mA
- permissible load resistance (RL) see load diagram
- load variation influence ≤ 0.03%

#### Dane ogólne
- basic accuracy ≤ 0.15%
- response time (10...90%) ≤ 0.2 s
- galvanic separation (test) 1.5kV AC, 50Hz, 1min
- warm up time 15min

#### Power supply
- supply voltage (Vs): 9...30V DC
- supply voltage variation influence 0.03%
- permissible ripple ≤ 4Vpp, 50Hz

#### Temperature
- operating temperature 0...70°C
- temperature influence ≤ 0.01%/°C

#### Environment conditions
- storage temperature -20...85°C
- humidity (non-condensing) ≤ 90%
- working position any

#### Housing
- material: molded PC/ABS
- protection housing/terminals IP20/IP20
- wire connections plugs with screw terminals 1.5mm²
- dimensions see drawings on the first page
- weight ~ 100g

#### Diagrams
- Load diagram: ![Load Diagram](RI=I(Vs)

Design and specification subject to change without notice.