

# LCN-AD1

## A/D Converter DIN rail mounted



### Description:

The LCN-AD1 is an Analogue to Digital converter for the LCN bus. It captures the norm signals 0-1V, 0-10V or 0-20mA.

### Hardware equipment:

Analog input

Jumper for setting the signal type

Status-LED

Cable with plug for T-port connection to the intelligent bus module

### Field of application:

The LCN-AD1 is used for recording signals where there are no specific LCN sensors available, e.g. sensors for very high temperatures, hygrometer, etc.

### Note:

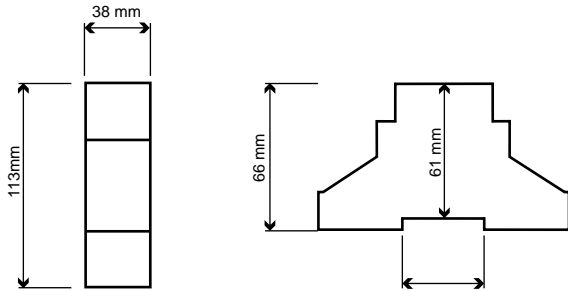
The LCN-AD1 occupies the T-Port connection of the connected module completely. No further keys can be connected i.e. no further T-Port peripheries even when using jump sockets. The other inputs such as the I-Port are still fully usable and so, e.g. temperatures can be recorded using LCN-TS along with the LCN-AD1.

# LCN-AD1

## Analogue- Digital Converter DIN rail mounted

### Measurements:

**Dimensions** (L x W x H): 113 x 38 x 66 mm  
**Supply Cable:** 160mm



**Height:** 66mm  
61mm via DIN rail

**Space requirement:** 2TE

**Assembly:** Attached built-in device on 35 mm mounting rail (DIN 50022) or screw fixture

### Technical Data:

**Connection:**  
**Power Supply:** 230V~ ±15%, 50Hz  
**Wiring option:** screwless  
**Conductor type:** massive or multi-phase (max.2,5mm<sup>2</sup>) or with insulated pin terminals (max.1,5mm<sup>2</sup>)

**Inputs:**  
**Number:** 1  
**Input potential:** max. 500V towards N  
**Measuring range:** 0V to 1V or 0mA bis 20mA  
**Resolution:** 10 Bit  
**Wiring option:** screwless  
**Conductor type:** massive or multi-phase (max.0,5mm<sup>2</sup>) or with Insulated pin terminals (max.0,5mm<sup>2</sup>)

**General Details:**  
**Operating temperature:** -10°C to +40°C  
**Humidity:** max. 80% rel., no condensation

**Environmental conditions:** stationary installation VDE 632, VDE 637

**Safety classification:** IP 20

### Circuit Diagram

