

Voltage transducer with 3 way isolation

BUM

serie 22,5mm



Application

For the voltage monitoring of direct voltage systems

Description

The BUM voltage transducer uses the terminals A1/A2 for connection to 24V AC/DC or 230V AC (please specify). The green LED indicates the connection of power supply, which must be continuously connected to the transducer. The BUM transducer converts an alternating voltage, connected to the terminals B1 and B2, into an dependent current signal.

The BUM has three-way isolation.

Options

Other supply voltages, input signals, technical values available.

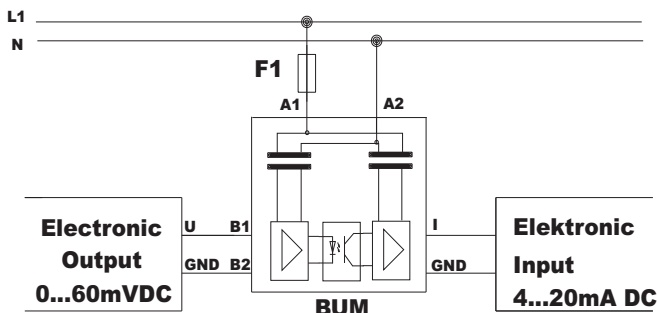
Approvals



Mounting

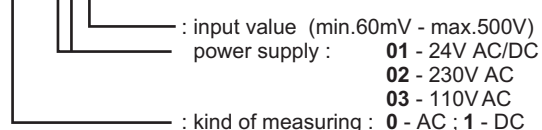
Snap-on mounting using a standard DIN rail EN 50022. **The unit is designed to allow side-by-side mounting, with an ambient temperature of < 60°C.**

Schematic

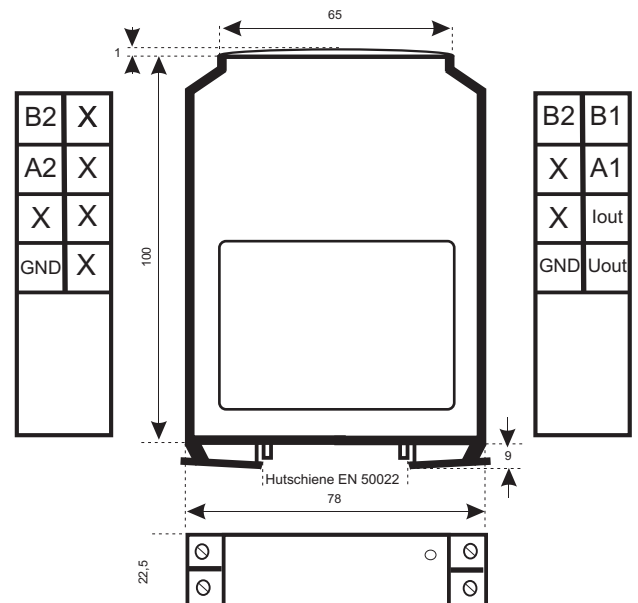


ARTICLENUMBER

13.x11.xx.yyy



Dimensions and connections



Technical Data:

Supply

Supply voltage : +/-15%
 Frequency range : 0 / 50 ... 60 Hz
 Power consumption : approx. 2 VA
 Operating mode : continuous
 Insulation voltage : 1kV DC

Input values

Measuring range : from 60mV up to 500V AC/DC please specify in article number
 Measurement accuracy : 0,5% over the entire temp. and voltage range
 Crest factor : 4
 Insulation voltage I/O : 3,75kV

Output values

Output : 4...20 mA DC @ max. 750Ohm
 0 (2)...10V DC @ min. 1kOhm
 Even harmonics : < +/-5 mV at 1kHz
 correction time : < 700ms

General data

Ambient temperature : 0 ... + 60°C
 Mounting : Symmetrical DIN rail DIN EN 50022
 Weight :
 24V AC/DC version : 76g
 110V/230 V AC version : 150g

order example:

13.011.02.500V BUM; Vers.230VAC ; 500V AC
13.111.01.100mV BUM; Vers.24VAC/DC; 100mV DC