

Current transducer with 3 way isolation for AC  
**BIM**  
 serie 22,5mm



### Application

For the current monitoring of direct current systems

### Description

The BIM current 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 BIM transducer converts a flowing alternating current, connected to the terminals B1 and B2, into an dependent current signal or voltage signal.  
**The BUM has three-way isolation.**

### Options

Other supply voltages, input signals, technical values available.

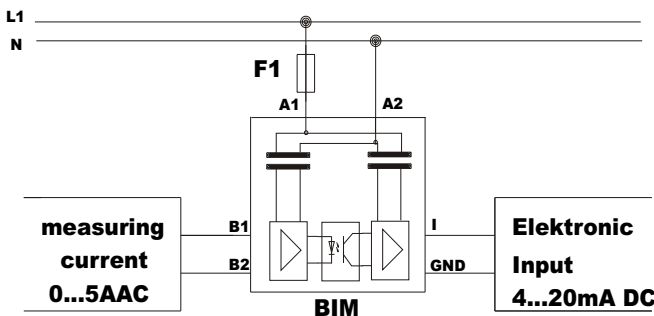
### Approvals



### Mounting

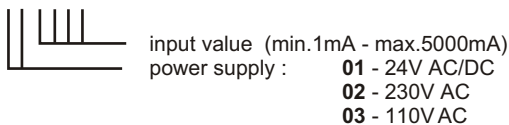
Snap-on mounting using a standard DIN rail EN 50022. **The unit is designed to allow side-by-side mounting, with an ambient temperature of < 60°C.**

### Schematic

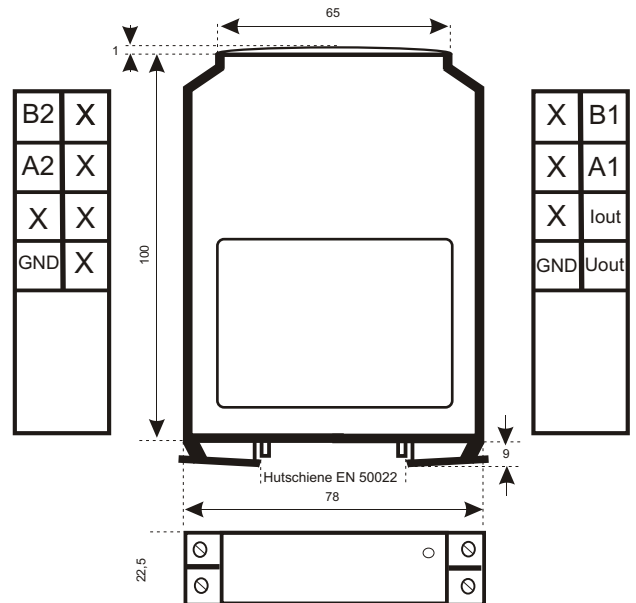


### ARTICLENUMBER

13011.xx.xxxx



### 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 1mA up to 5000mA AC  
 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:

**13011.02.5000 BIM; Vers.230VAC ; 5A AC**  
**13011.01.0100 BIM; Vers.24VAC/DC; 100mA AC**