

# SINEAX B 840

## Power pack for 2-wire transmitters



Carrying rail housing P13/70



### Application

The power supply unit SINEAX B 840 provides the DC power supply for 2-wire transmitters. There are 4 power supply outputs available. Each power supply output is monitored by a green LED. The corresponding green LED is continuously lit when the measuring / supply circuit is closed.

### Features

- 4 input circuits:  
4 ... 20 mA, 24 V DC
- Electrical isolation between power supply and input circuits
- Power supply values monitoring by green LED's

### Technical data

#### Input circuit (MSK)

Signal range: 4...20 mA with 2-wire transmitter  
 Supply voltage: Input circuit  
 24 V DC  $\pm$  7%  
 Current limiter  $\leq$  25 mA

#### Power supply

Nominal voltage: 24 V AC,  $\pm$  10%, 50/60 Hz  
 115 V AC,  $\pm$  10%, 50/60 Hz  
 230 V AC,  $\pm$  10%, 50/60 Hz  
 Power input  
 $\leq$  10 VA with 4 outputs

#### Safety

Protection class: II (protection isolated, EN 61 010)  
 Housing protection: IP 40 (test wire, EN 60 529)  
 Terminals protection: IP 20 (test finger, EN 60 529)  
 Pollution degree: 2  
 Installation category: III  
 Rated insulation voltage (versus earth): 230 V power supply  
 40 V output

#### Installation data

Mechanical design: Housing P13/70  
 Material of housing: Lexan 940 (polycarbonate),  
 flammability Class V-0 acc. to UL 94,  
 self-extinguishing, non-dripping, free  
 of halogen



Fig. 1. Power pack SINEAX B 840 in housing P13/70 clipped onto a top-hat rail.

Mounting position: Any  
 Mounting: For snapping onto top-hat rail (35 x 15 mm or 35 x 7.5 mm) acc. to EN 50 022  
 Weight: Approx. 0.4 kg

#### Electrical connections

Connection: Screw-type terminals with indirect wire pressure  
 Permissible cross section of the connection leads:  $\leq$  4.0 mm<sup>2</sup> single wire or 2 x 2.5 mm<sup>2</sup> fine wire

#### Environmental conditions

Operating temperature: - 10 to + 55 °C  
 Storage temperature: - 40 to + 70 °C  
 Relative humidity of annual mean:  $\leq$  75%

#### Table 1: Standard versions

The following power pack versions are available as standard versions. It is only necessary to quote the **Order No.:**

Number of power outputs	Power supply 50/60 Hz	Order No.
4 power outputs	24 V AC	147 464
	115 V AC	147 472
	230 V AC	147 480

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### Electrical connections

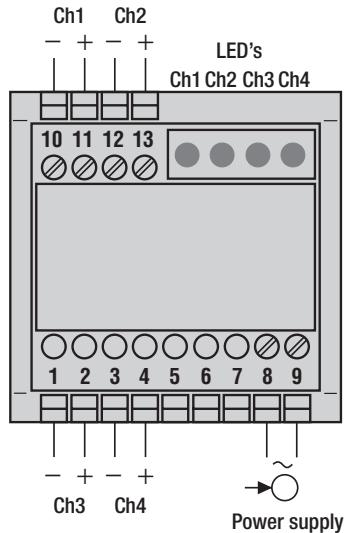


Fig. 2. Power pack with 4 outputs.

### Standard accessories

1 Operating Instructions in two languages: German, English

### Spare parts

Description	Order No.
Operating Instructions B 840 Bd-e	147 521

### Dimensional drawing

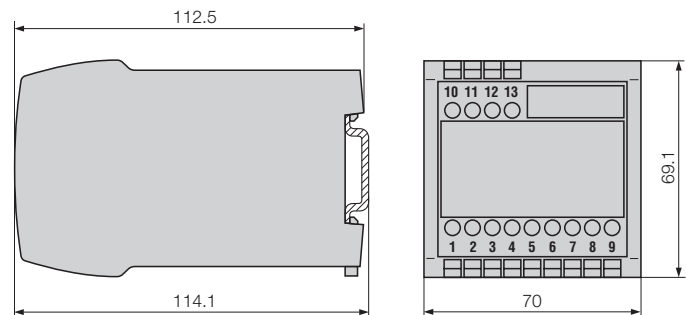


Fig. 3. SINEAX B 840 in housing **P13/70** clipped onto a top-hat rail (35 x 15 mm or 35 x 7.5 mm, acc. to EN 50 022).