SINEAX B 840
Power pack for 2-wire transmitters

CAMILLE BAUER

Carrying rail housing P13/70

CE

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



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

Technical data

Input circuit (MSK)

Signal range:	4…20 mA with 2-wire transmitter
Supply voltage:	Input circuit 24 V DC ± 7% Current limiter ≤ 25 mA

Power supply →◯

Nominal voltage:	24 V AC, ± 10%, 50/60 Hz 115 V AC, ± 10%, 50/60 Hz 230 V AC, ± 10%, 50/60 Hz Power input ≤ 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
Mounting position:	Any
Mounting:	For snapping onto top-hat rail (35 × 15 mm or 35 × 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:	≤ 4.0 mm² single wire or 2 × 2.5 mm² fine wire

Environmental conditions

Operating temperature:	– 10 to + 55 °C
Storage temperature:	– 40 to + 70 °C
Relative humidity of annual mean:	≤ 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

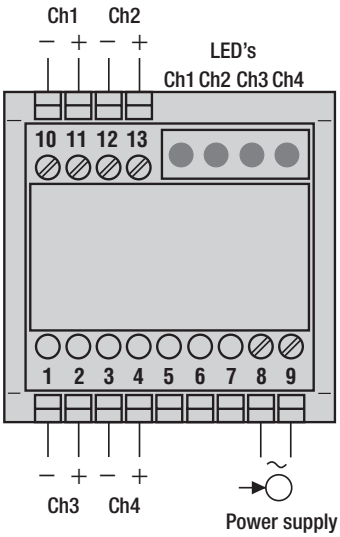


Fig. 2. Power pack with 4 outputs.

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

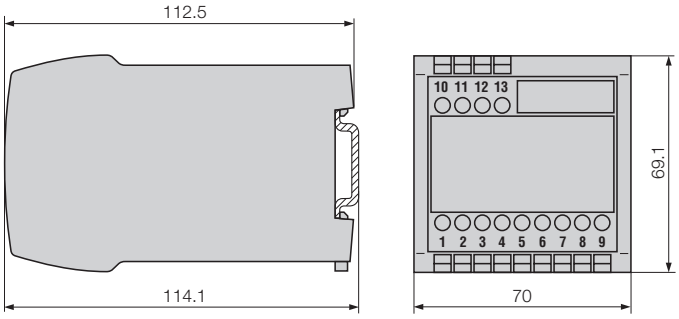


Fig. 3. SINEAX B 840 in housing ***P13/70*** *clipped onto a top-hat rail (35 × 15 mm or 35 × 7.5 mm, acc. to EN 50 022).*

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