

Output Module

BH4-RE16A4-230



4-channel receiver

Relay load: 16 A

Module load: 64 A (16 A per relay)

Galvanically separated SPST relay outputs

H4-housing

For mounting on DIN-rail (EN 50022)

LED-indications for supply, smart-house carrier and outputs

AC power supply

Address coding by BGP-COD-BAT

Relay outputs can be connected to different phases

OUTPUT SPECIFICATIONS

| | | | |
|--------------------------|--|-----------------------|--------------------|
| Outputs | 4 SPST relays | Operating frequency | 60 operations/min. |
| Contact ratings (AgSn02) | μ (micro gap) | Dielectric voltage | |
| Resistive loads | AC1 16 A | Outputs – smart-house | ≥ 4 kVAC (rms) |
| Mechanical lifetime | 5x10 ⁶ operations | Response time | ≤ 1 pulse train |
| Electrical lifetime | 1x10 ⁵ operations/250 V, 12 A | | |
| Minimum load | 100 mA/12 V | | |

SUPPLY SPECIFICATIONS

| | | | |
|---------------------------|-----------------------------------|-------------------------------|---------------|
| Power Supply | Oversvoltage cat. III (IEC 60664) | Power supply (cont.) | |
| Rated operational voltage | | Rated impulse withstand volt. | 4 kV |
| Through term. 21 & 22 | 230 VAC, +/- 10% (IEC 60038) | Dielectric voltage | |
| Frequency | 45 to 65 Hz | Supply – smart-house | ≥4 kVAC (rms) |
| Rated operational power | Typ. 2,5 VA | Supply – Outputs | ≥2 kVAC (rms) |
| Max. power dissipation | 7 W | | |

GENERAL SPECIFICATIONS

| | | | | |
|----------------------------------|----------------------------------|---------|----------------------------------|-------------------------------|
| Fail polarity state delay | Upon loss of smart-house carrier | ≤ 20 ms | Operating temperature | -5 to +50°C (+23° to +122°F) |
| Power ON delay | | typ. 2s | Storage temperature | -50 to +85°C (-58° to +185°F) |
| Indication for: | | | Humidity (non-condensing) | 20 to 80% |
| Supply ON | LED, Green | | Mechanical resistance | |
| smart-house carrier | LED, Yellow | | Shock | 5 G (11ms) |
| Output ON | LED, red (one per output) | | Vibration | 2 G (6 to 55Hz) |
| Environment | | | Housing | H4-housing |
| Degree of protection | IP 20 | | Weight | 400 g |
| Pollution degree | 3 (IEC 60664) | | | |

MODE OF OPERATION

4-channel receiver with 4 normally open contact outputs. Each output is individually coded by means of the code programmer BGP-COD-BAT. For changing the default setting, please refer to the datasheet on BGP-COD-BAT.

The outputs are normally OFF. When a transmitter coded to the selected channel is activated, the output turns ON and remains ON until the respective channel becomes deactivated. The default setting is such that upon loss of smart-house carrier all the outputs go OFF.

Note: At delivery some of the relays might be ON due to transportation bumps. To be sure that the relays are OFF, connect the module to power and smart-house and transmit on channels A1-4 once.

Note: Due to the construction with bistable relays, the module is intended for heating and light control only.

TYPE SELECTION

| | |
|---------------|---------------------|
| Supply | Ordering no. |
| 230 VAC | BH4-RE16A4-230 |

