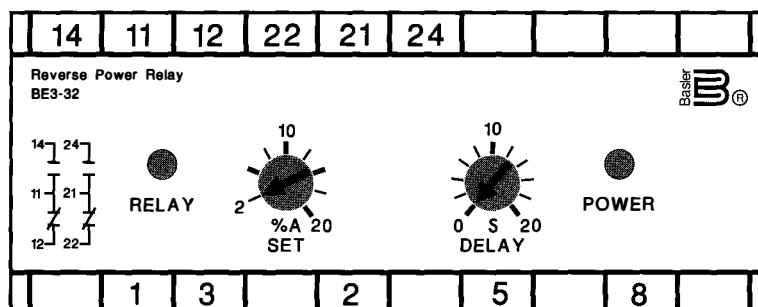


## BE3-32 REVERSE POWER RELAYS

### APPLICATION:

BE3-32 reverse power relays monitor the direction of power from ac generators. If current flow from the generator becomes reversed and exceeds the adjustable setting, the relay will trip. An adjustable time delay of from 0 to 20 seconds is provided. Correct setting of the trip point and time delay will ensure protection against motoring in the event of a generator failure, and prevent tripping due to transients encountered during synchronizing. A RELAY LED indicates output status of the relay, and a POWER LED indicates the condition of the power supply.

### CASE CONNECTIONS:



### GENERAL SPECIFICATIONS:

#### Input

Nominal voltage: 120V, 240V, 380V, 480V  
 Other nominal voltages: Contact the factory  
 Nominal current: 5 amperes  
 Frequency: 50/60 or 400Hz  
 Burden: Less than 3VA voltage,  
 less than 0.5VA current  
 Overload: 1.5 times nominal voltage,  
 2 times nominal current  
 continuous; 2 times nominal  
 voltage, 10 times nominal  
 current for 3 seconds  
 Rated value: CT operated 5A or direct  
 connected 0.2 to 10A

All units self-powered.

#### Setpoint

Range: Adjustable 2% to 20% reverse  
 current  
 Time delay: Adjustable 0 to 20 sec  
 Repeatability: Better than 0.5% of full span  
 Hysteresis: 1%

#### Weight and Case Size

1.32 lbs. (0.6kg), 3.94 in. wide (100mm)

**Basler Electric**

ROUTE 143, BOX 269 HIGHLAND, ILLINOIS 62249, U.S.A. PHONE 618-654-2341 FAX 618-654-2351

ULD-2  
9-98

## PERFORMANCE SPECIFICATIONS:

### Environmental

Operating temperature: 0°C to +60°C (32°F to 140°F)  
 Functional temperature: -25°C to +70°C (-13°F to 158°F)  
 Storage temperature: -40°C to +70°C (-40°F to 158°F)  
 Temperature coefficient: 0.03% per °C (200ppm/°C)  
 Relative humidity: 95% noncondensing

### Agency Approvals

UL recognized, CSA certified, C.E. compliant

### Insulation

Test voltage: 4kV RMS 50Hz 1min between Input, Case, and Auxiliary  
 Impulse test: EMC 5kV transient, complies with IEC 801, EN 55020  
 HF interference test: EHF 2.5kV 1MHz, complies with IEC 255-4  
 Protection class: II, complies with IEC 348

### Applied Standards

General: IEC 144, BS 5420,  
 VDE/VDI 0435, IEC 947,  
 EN 60947

### Safety:

### Surge withstand:

### RFI:

BS EN 61010, DIN 57411,  
 VDE 0411, ANSI C37  
 IEC 801, EN 55020,  
 ANSI C37-90a  
 RFI degree N, complies with  
 VDE 0875

### Relay Output

Relay type: D.P.D.T.  
 AC Rating: 250V, 5A, nonresistive, 1200VA  
 DC Rating: 125V, 1A, resistive, 120 watts  
 Mechanical Life: 5 million operations

### Enclosure

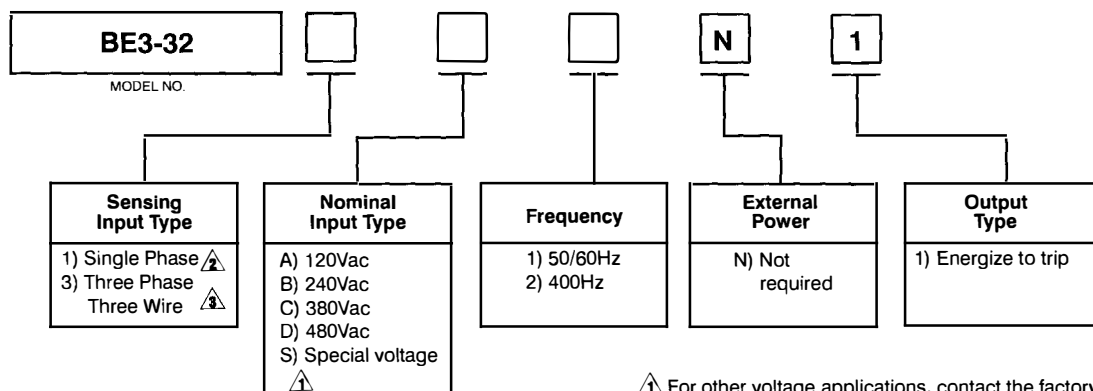
Mounting: Snap onto DIN rail 1.38in. x .29in. (35mmx7.5mm), complies with DIN-EN 50022, BS 5584  
 Any position  
 Enclosure code: Case IP 50, terminals IP 30  
 Material: Complies with UL 94 VO

## HOW TO ORDER:


Designate the Model Number followed by the complete Style Number.


Complete the Style Number by selecting one feature from each column of the Style Identification Chart and entering its designation, letter or number, in the appropriate square. Note: The description of a complete relay must include both Model Number and Style Number.

## STYLE IDENTIFICATION CHART:



 For other voltage applications, contact the factory.

 Nominal input voltage is line-to-neutral.

 Nominal input voltage is line-to-line.

# Basler Electric

ROUTE 143, BOX 269, HIGHLAND, ILLINOIS U.S.A. 62249  
 PHONE 618-654-2341 FAX 618-654-2351

P.A.E. Les Pins, 67319 Wasselonne Cedex FRANCE  
 PHONE (33-3-88) 87-1010 FAX (33-3-88) 87-0808

<http://www.basler.com>, [info@basler.com](mailto:info@basler.com)

Printed in U.S.A.