

## BE3-32 REVERSE POWER RELAYS

### APPLICATION:

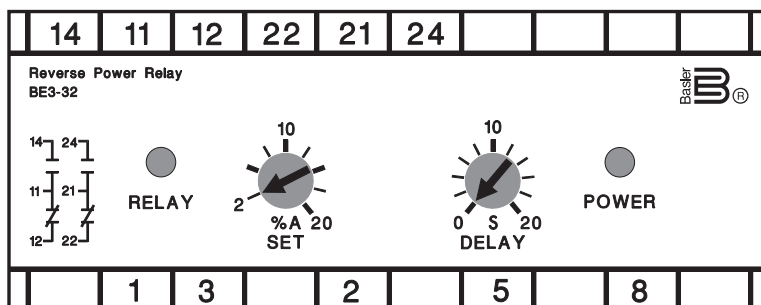
BE3-32 reverse power relays monitor the direction of power from ac generators. If current flow from the generator becomes reversed and exceeds the adjustable setting, the relay will trip. An adjustable time delay of from 0 to 20 seconds is provided. Correct setting of the trip point and time delay will 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.



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### 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.

#### Set point

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**

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ULD-3  
8-07

## 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

cULus listed to UL 508 and CSA C22.2 No. 14  
 CE compliant  
 Gost R certified #POCC US.ME05.B03391

### 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: BS EN 61010, DIN 57411,  
 VDE 0411, ANSI C37  
 Surge withstand: IEC 801, EN 55020,  
 ANSI C37-90a  
 RFI: 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

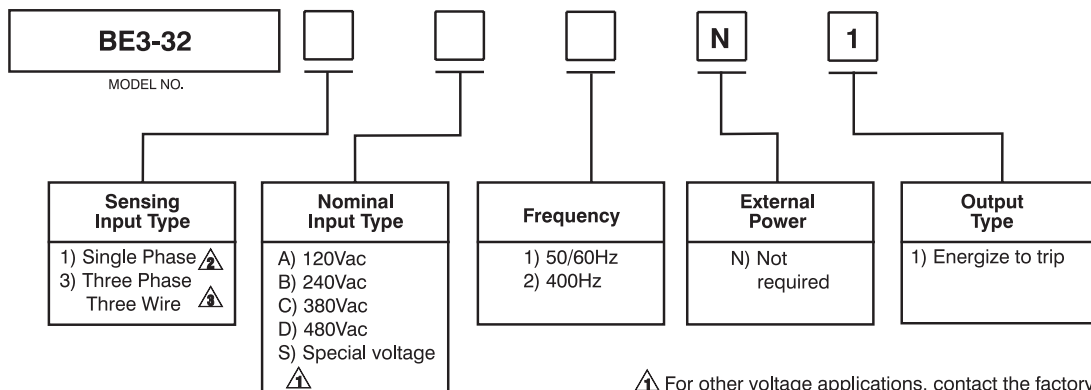
Mounting: Snap onto DIN rail 1.38in. x  
 .29in. (35mmx7.5mm),  
 complies with DIN-EN 50022,  
 BS 5584  
 Any position  
 Enclosure code: Case IP 50, terminals IP 30  
 Material: Complies with UL 94 VO

## 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.



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