

BE3-32 REVERSE POWER RELAYS

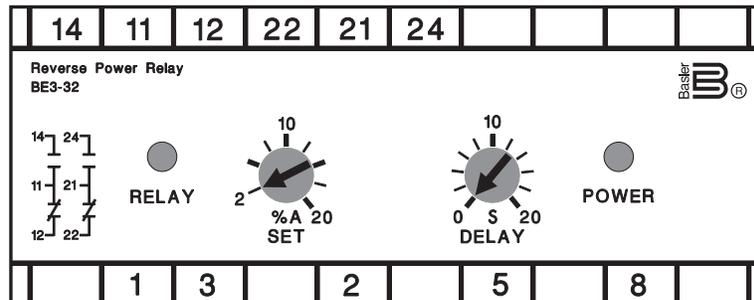
APPLICATION:

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

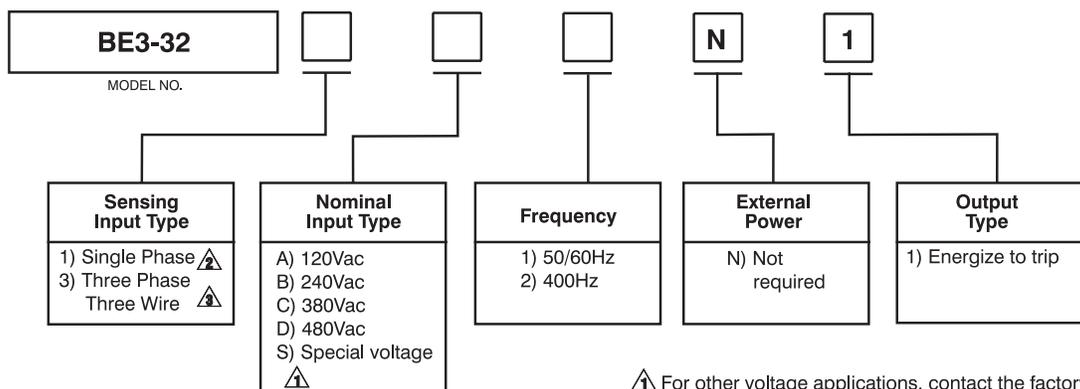
Mounting: Snap onto DIN rail 1.38in. x
 .29in. (35mmx7.5mm),
 complies with DIN-EN 50022,
 BS 5584
 Any position
 Enclosure code: Case IP 50, terminals IP 30
 Material: Complies with UL 94 VO

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.



ISO9001-2000
 Highland, IL USA Taylor, TX USA
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