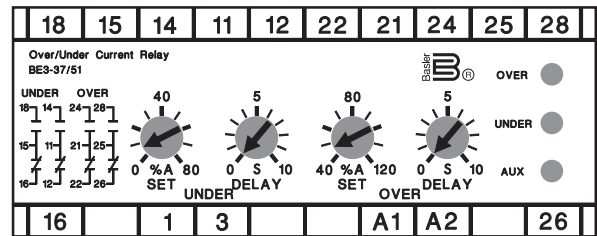
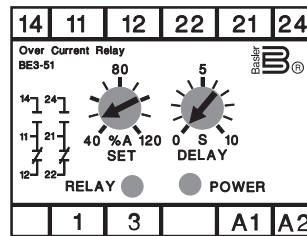
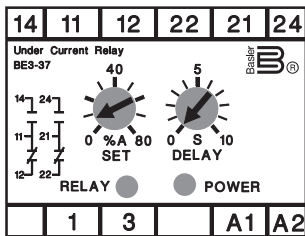


BE3-37, BE3-51, BE3-37/51 AC CURRENT RELAYS

APPLICATION:

BE3 ac current relays provide current monitoring and protection in both single and 3 phase systems. They are used in applications such as motor protection, load detection and generator control. Under, over and combined under/over units are available. The relays operate when the externally adjustable trip point is reached. An external time delay control is provided to prevent false tripping. All the current relays energize when the input signal exceeds the trip point, i.e. relay energizes on trip, unless option of de-energize on trip is requested. A red LED indicates the state of the relay by illuminating when the relay is energized. A green LED indicates the condition of the power supply.

CASE CONNECTIONS:



GENERAL SPECIFICATIONS:

Input

Rated value in: 5A
 Frequency: 50/60 or 400Hz
 Burden: Less than 0.5VA per phase
 Overload: 2 times nominal current continuous, 10 times nominal current for 3 seconds

Setpoint

Range overcurrent: Adjustable 40% to 120% nominal
 Range undercurrent: Adjustable 0% to 80% nominal
 Time delay: Adjustable 0 to 10 sec

Operating time: 200 ms, typical
 Repeatability: Better than 0.5% of full span
 Differential: Fixed at 5%

Power Supply

AC voltage: 120, 240, 380, 480V ($\pm 25\%$ /45-65Hz/less than 2VA)
 DC voltage: 24 volt ($\pm 20\%$ galvanically isolated) less than 3 watt

Weight and Case Size

Single unit: 0.88 lbs. (0.4kg),
 2.17 in. wide (55mm)
 Combined unit: 1.32 lbs. (0.6kg),
 3.93 in. wide (100mm)

Basler Electric

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

ULE-1
3-98

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 +7°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:

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

Surge withstand:

RFI:

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

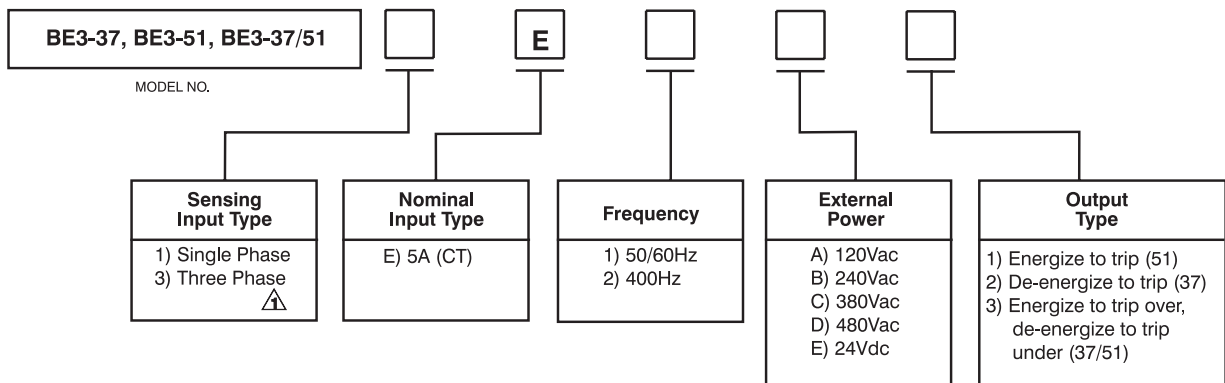
Mounting: Snap onto DIN rail 1.38in. x .29in. (35mmx7.5mm), complies with DIN-EN 50022, BS 5584
 Any position
 Enclosure code: Case IP 50, terminals IP 30
 Material: Complies with UL 94 VO


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:



 Available for BE3-37 and BE3-51 only.

