

BE3 Series Industrial Relays provide a wide range of cost-saving options to simplify industrial application protection related to Auto Transfer, Distribution, Generators, Motors, Process Control, and Transformers. Multiple DIN-rail mounting options are available.

FEATURES

- 25 Sync-Check
- 27 Undervoltage
- 27T Undervoltage with Time Delay
- 27/59 Undervoltage/Overvoltage
- 27T/59T Undervoltage/Overvoltage with Time Delay
- 32 Reverse Power
- 37 Undercurrent
- 37/51 Undercurrent/Overcurrent
- 47 Phase Sequence
- 47N Phase Balance
- 47N/27 Phase Balance with Undervoltage
- 49R (3 or 6 RTDs) Temperature Relay
- 49TH Thermocouple Overtemperature
- 49TL Thermocouple Undertemperature
- 51 Overcurrent
- 59 Overvoltage
- 59T Overvoltage with Time Delay
- 74SL, SH, SD Millivolt Undervoltage, Overvoltage, Under/Overvoltage
- 74TL, TH, TD Milliamp Undercurrent, Overcurrent, Under/Overcurrent
- 74VL, VH, VD DC Undervoltage, Overvoltage, Under/Overvoltage
- 76SH DC Overcurrent with Inverse Time Delay
- 810 Overfrequency
- 81U Underfrequency
- 810/U Overfrequency/Underfrequency
- 810T Overfrequency with Time Delay
- 81UT Underfrequency with Time Delay
- 810T/UT Overfrequency/Underfrequency with Time Delay

BENEFITS

- Simplify protection by covering a wide range of applications using BE3 relays.
- Accurate, repeatable, and reliable operation.
- Most models are available for shipment from stock.
- Easy, time-saving installation with BE3 DIN-rail devices.
- Provide economical industrial protection for motor, generator, transformer, distribution, process control, and automatic transfer applications.
- Many BE3 relay models are self-powered, eliminating the need for additional power sources.

Visit WWW.BASLER.COM
FOR ADDITIONAL INFORMATION AND
STYLE CONFIGURATION TOOL.

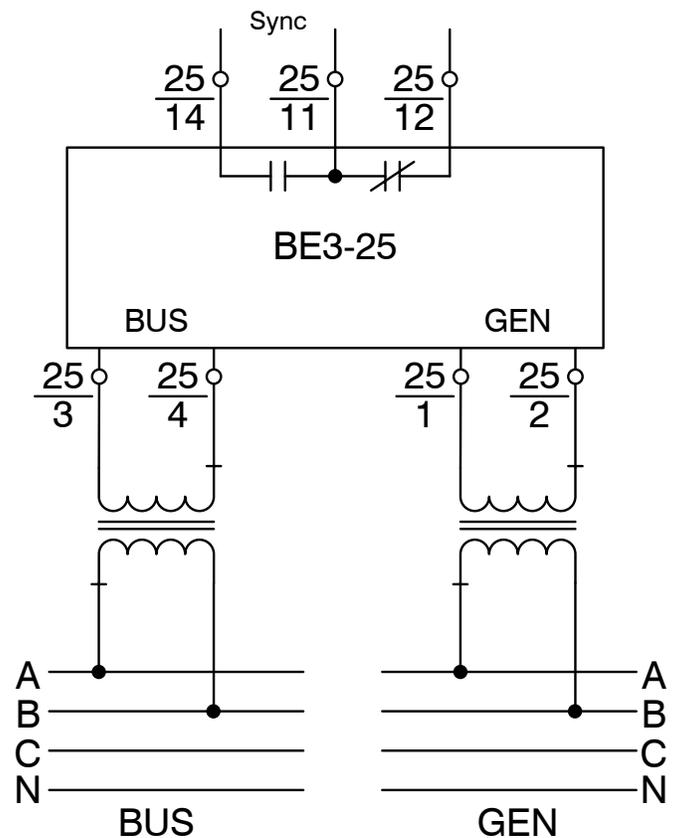


Figure 1 - BE3-25 Connection Diagram for a Typical Application

Basler Electric BE3 Series Industrial Relays provide a wide range of functions demonstrating the following common specifications:

Input

Many units are self-powered.
 Nominal Voltage: 120, 240, 380 or 480 Vac
 Nominal Current: 5 A

Output

Relay Type: D.P.D.T. (typical)
 AC Rating: 250 V, 5 A, non-resistive, 1,200 VA
 DC Rating: 125 V, 1 A, resistive, 120 W
 Mechanical Life: 5 million operations

SPECIFICATIONS

Agency/Certifications

- cULus listed*, CE compliant
- *Excludes BE3-76SH

Applied Standards

- General: IEC144, BS5420, VDE/VDI0435, IEC947, EN60947
- Safety: EN 61010, DIN57411, VDE0411, ANSI C37
- Surge Withstand: IEC801/EN55020, ANSI C37-90a
- Radio Screening: RFI degree N complies with VDE0875

Environmental

- Operating Temp: 0°C to 60°C (32°F to 140°F)
- Functional Temp: -25°C to 70°C (-13°F to 158°F)
- Storage Temp: -40°C to 70°C (-40°F to 158°F)
- Relative Humidity: 95% non-condensing

Physical

- Weight:
 - Single Function: 0.4 kg (0.88 lb)
 - Multiple Function: 0.6 kg (1.32 lb)
- Case Dimensions: See chart below
- Case: IEC 529, DIN 40050, BS 5490
- Case Material: UL 94V0
- Mounting (HxD): DIN rail 1.38" x 0.29" (35 mm x 7.5 mm)

For complete specifications, download the instruction manuals at www.basler.com.

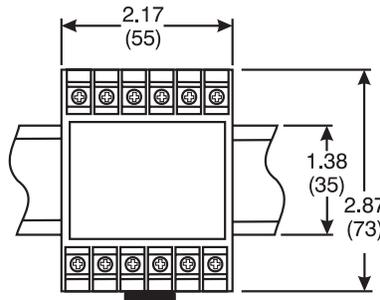


Figure 1 - BE3 Case Size in Inches (millimeters) (Front View)

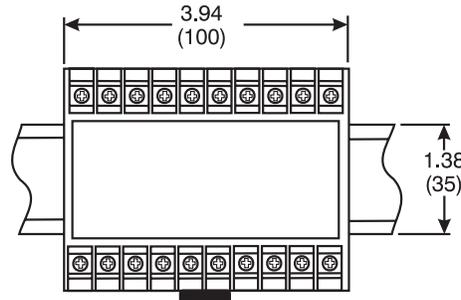


Figure 2 - BE3 Case Size in Inches (millimeters) (Front View)

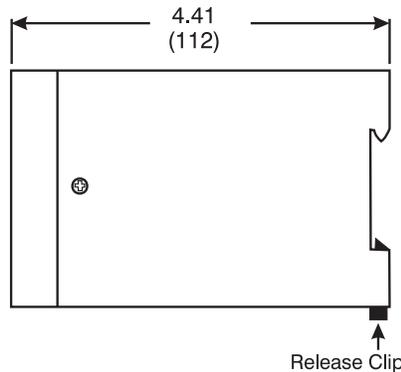


Figure 3 - BE3 Case Size in Inches (millimeters) (Side View)

CASE DIMENSIONS

Model Number	Case Width
BE3-25	3.94" (100 mm)
BE3-27	2.17" (55 mm)
BE3-27T	2.17" (55 mm)
BE3-59	2.17" (55 mm)
BE3-59T	2.17" (55 mm)
BE3-27/59	3.94" (100 mm)
BE3-27T/59T	3.94" (100 mm)
BE3-32	3.94" (100 mm)
BE3-37 1PH	2.17" (55 mm)
BE3-37 3PH	3.94" (100 mm)
BE3-51 1 PH	2.17" (55 mm)
BE3-51 3 PH	3.94" (100 mm)
BE3-37/51 1 PH	3.94" (100 mm)
BE3-47	2.17" (55 mm)
BE3-47N	2.17" (55 mm)
BE3-49R	3.94" (100 mm)
BE3-49TH/TL	2.17" (55 mm)
BE3-74SL	2.17" (55 mm)
BE3-74SH	2.17" (55 mm)
BE3-74SD	3.94" (100 mm)
BE3-74TL	2.17" (55 mm)
BE3-74TH	2.17" (55 mm)
BE3-74TD	3.94" (100 mm)
BE3-74VL	2.17" (55 mm)
BE3-74VH	2.17" (55 mm)
BE3-74VD	3.94" (100 mm)
BE3-76SH	2.17" (55 mm)
BE3-81U	2.17" (55 mm)
BE3-81UT	2.17" (55 mm)
BE3-81O	2.17" (55 mm)
BE3-81OT	2.17" (55 mm)
BE3-81O/U	3.94" (100 mm)
BE3-81OT/UT	3.94" (100 mm)

RELATED PRODUCTS

- [BE1-11 Protection System](#)
 - Designed with many features to address issues with reliability arising from the complexity of programming.
- [Cases, Covers, Connectors, Mounting, Batteries, and Miscellaneous](#)
 - Accessories are designed for adaptive customization with your protective device.

ACCESSORIES

- Basler Electric Mounting Rails
 - 3.0" (76.0 mm) wide Basler P/N: 9323900001
 - 5.5" (139.7 mm) wide Basler P/N: 9323900002
 - 8.0" (203.2 mm) wide Basler P/N: 9323900003
 - 4.7" (119.1 mm) wide Basler P/N: 9323900004
 - 39.4" (1,000 mm) wide Basler P/N: 17366
- DIN Rail End Stops
 - Basler P/N: 31761



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