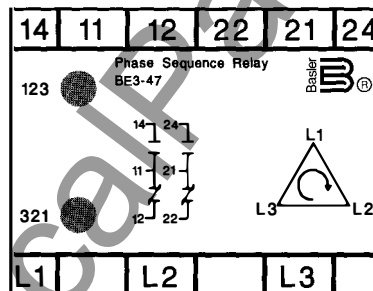


BE3-47 PHASE SEQUENCE RELAYS

APPLICATION:

BE3-47 phase sequence relays provide phase sequence protection. It is used to ensure the sequence is correct when connecting 3 phase loads. With an incorrect phase sequence the relay will de-energize, preventing the starting of incorrectly connected machinery. The red 321 LED indicates phase sequence is incorrect and relay is de-energized. The green 123 LED indicates phase sequence is correct and relay is energized.

CASE CONNECTIONS:



GENERAL SPECIFICATIONS:

Input

Nominal voltage: 120V, 240V, 380V, 480V
 Other nominal voltage: Contact the factory
 Frequency: 50Hz, 60Hz, or 400Hz
 Burden: Less than 3VA
 Overload: 1.5 times nominal continuous,
 2 times nominal for 3 seconds

Unit is self powered.

Setpoint

Not adjustable.

Weight and Case Size

0.88 lbs. (0.4kg), 2.17 in. wide (55mm)

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ULF-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 +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:

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:

| | | | | | | |
|---------------------------|--|---|--|--------------------------------|-----------------|------------------------|
| BE3-47 | | 3 | | | N | 2 |
| MODEL NO. | | | | | | |
| Sensing Input Type | | Nominal Input Type | | Frequency | External Power | Output Type |
| 3) Three Phase Three Wire | | A) 120Vac B) 240Vac C) 380Vac D) 480Vac S) Special voltage ⚠ | | 2) 400Hz 3) 50Hz 4) 60Hz | N) Not required | 2) De-energize to trip |

⚠ For other voltage applications, contact the factory.

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