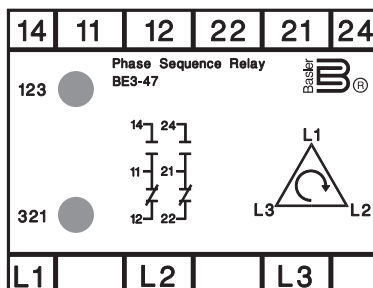


BE3-47 PHASE SEQUENCE RELAYS

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.

Set Point

Not adjustable.

Weight and Case Size

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



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

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

Safety:

Surge withstand:

RFI:

EN 60947

BS EN 61010, DIN 57411,
VDE 0411, ANSI C37

IEC 801, EN 55020,
ANSI C37-90a

RFI degree N, complies with
VDE 0875

Agency Approvals

cULus listed to UL 508 and CSA C22.2 No. 14,
CE 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

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

Applied Standards

General: IEC 144, BS 5420,
VDE/VDI 0435, IEC 947,

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 MODEL NO.	3			N	2
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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