



Reyrolle  
Protection  
Devices

## 7PG217 – B69

Overcurrent & Earth Fault Type

Answers for energy

**SIEMENS**

# 7PG217 – B69

Overcurrent & Earth Fault Type



## Description

These relays are a.c. operated attracted armature elements with an 'L' shaped armature pivoted on a knife-edge which directly operates the self reset contacts.

Relays are fitted with a plug-bridge providing a range of plug settings.

Relays are supplied in single pole and three pole arrangements, in modular cases. When supplied as a three pole unit the center element can be provided with a different setting range.

## Applications

Instantaneous overcurrent earth fault protection of feeders, or the earth fault protection of transformers.

A typical application is for 2 stage overcurrent protection in association with IDMTL relays. A definite time delay relay can be added to the scheme if required. The relay may be used as a guard relay for Solkor Schemes.

## Technical Information

Ratings (50 or 60Hz) 1 or 5A  
 Operating time 10ms at 3 times the setting  
 Continuous rating 1.3 x setting

Setting Ranges  
 10 – 40% Step 5%  
 20 – 80% Step 10%  
 50 – 200% Step 25%

Burdens 3VA at the setting  
 Indication None  
 Contact arrangements 2 Make per phase

### Contact ratings

#### Make and carry continuously:

150 VA a.c. or 1500 W d.c. within the limits of 660 V and 3A. Make and carry 8 A for 3 seconds or 16 A for 1 second.

#### Break:

300 VA a.c. or 75 W d.c. (inductive L/R – 0.04s) within the limits of 250 V and 5 A.

#### Accuracy:

Operation within 15% of settings.

### Case Dimensions

Relays are available in the following cases:

Single Pole – Size E2 Modular

Three Pole - Size E6 Modular

| Terminal Ref | Single Pole | Three Pole |    |    | Refer to the wiring diagram supplied with the Order Acknowledgement |
|--------------|-------------|------------|----|----|---|
|              |             | 1          | 2  | 3  |   |
| A            | 27          | 23         | 25 | 27 |   |
| B            | 28          | 24         | 26 | 28 |   |
| C            | 1           | 9          | 5  | 1  |   |
| D            | 3           | 11         | 7  | 3  |   |
| E            | 2           | 10         | 6  | 2  |   |
| F            | 4           | 12         | 8  | 4  |   |

Table 1. Case Terminal Numbers

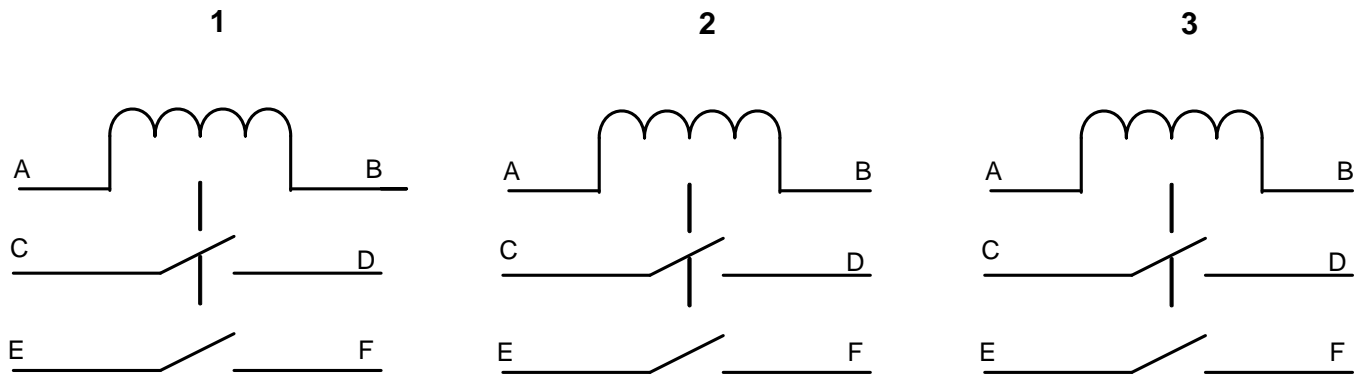


Fig 1. Typical Relay Wiring Diagram  
(Arrangement looking on front of relay)

Siemens Protection Devices Limited  
P.O. Box 8  
North Farm Road  
Hebburn  
Tyne & Wear  
NE31 1TZ  
United Kingdom  
Phone: +44 (0)191 401 7901  
Fax: +44 (0)191 401 5575  
Web: [www.siemens.com/energy](http://www.siemens.com/energy)

For more information contact our  
Customer Support Centre  
Phone: +49 180 524 70 00  
Fax: +49 180 524 24 71  
Charges depending on provider)  
E-mail: [support.energy@siemens.com](mailto:support.energy@siemens.com)

[www.siemens.com/energy](http://www.siemens.com/energy)