

1. Product Name  
Residual Current Operated Circuit Breaker

2. Type  
RCCB

3. Rating

| Item Code Number | Rated Current | Number of Poles | Rated residual operating current | Rated residual non-operating current | Operating characteristics | Rated Voltage | Frequency |         |
|------------------|---------------|-----------------|----------------------------------|--------------------------------------|---------------------------|---------------|-----------|---------|
| BBDR22530TB      | 25A           | 2P              | 0.03A                            | 0.015A                               | TYPE AC                   | AC 240V       | 50/60 Hz  |         |
| BBDR24030TB      | 40A           |                 |                                  |                                      |                           |               |           |         |
| BBDR25030TB      | 50A           |                 |                                  |                                      |                           |               |           |         |
| BBDR26330TB      | 63A           |                 |                                  |                                      |                           |               |           |         |
| BBDR42530TB      | 25A           | 4P              |                                  |                                      |                           | TYPE AC       |           | AC 415V |
| BBDR44030TB      | 40A           |                 |                                  |                                      |                           |               |           |         |
| BBDR45030TB      | 50A           |                 |                                  |                                      |                           |               |           |         |
| BBDR46330TB      | 63A           |                 |                                  |                                      |                           |               |           |         |
| BBDG22530TB      | 25A           | 2P              |                                  |                                      | TYPE A                    |               |           | AC 240V |
| BBDG24030TB      | 40A           |                 |                                  |                                      |                           |               |           |         |
| BBDG25030TB      | 50A           |                 |                                  |                                      |                           |               |           |         |
| BBDG26330TB      | 63A           |                 |                                  |                                      |                           |               |           |         |
| BBDG42530TB      | 25A           | 4P              |                                  |                                      |                           | TYPE A        |           | AC 415V |
| BBDG44030TB      | 40A           |                 |                                  |                                      |                           |               |           |         |
| BBDG45030TB      | 50A           |                 |                                  |                                      |                           |               |           |         |
| BBDG46330TB      | 63A           |                 |                                  |                                      |                           |               |           |         |

Catalog No.

BBDR22530TB

Name

BDR/G-63AA (RCCB)

Date

2021.06.01

Panasonic Eco Solutions Electrical  
Construction Materials Taiwan Co., Ltd.

Drawn by

Checked by

Evaluated by

Approved by

4. Applicable Standard  
IEC61008-1

5. Material

|        |                 |
|--------|-----------------|
| Body   | Polyamide Resin |
| Cover  | Polyamide Resin |
| Handle | Polyamide Resin |

6. Dimensions  
Refer to Annexed page

7. Performance

#### 7.1 Temperature Rise

| Parts                                                                                                                                                                                                      | Temperature Rise Limit |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Terminals for external connections                                                                                                                                                                         | 65°C                   |
| External parts liable to retouched during manual operation of the circuit-breaker, including operating means of insulating material and metallic means coupling insulated operating means of several poles | 40°C                   |
| Other external parts, including that face of the circuit-breaker in direct contact with the mounting surface                                                                                               | 60°C                   |

#### 7.2 Mechanical & Electrical Endurance

|            | Test Voltage             | Test current | Number of Operating cycles      |
|------------|--------------------------|--------------|---------------------------------|
| Rated Load | 2P: AC240V<br>4P: AC415V | In           | With In 2000<br>Without In 4000 |

In: Rated Current

#### 7.3 Dielectric Strength 2000V 1min

8. Normal Conditions for Operation in Service

Ambient Temperature -5°C ~ +40°C

Relative Humidity not exceeding 50% at 40°C ( 90% at 20°C )

Altitude not exceeding 2000m

