

# Residential Breakers

## 60mm depth Miniature Circuit Breakers

### BF type



BF-a, BF-c

#### Description

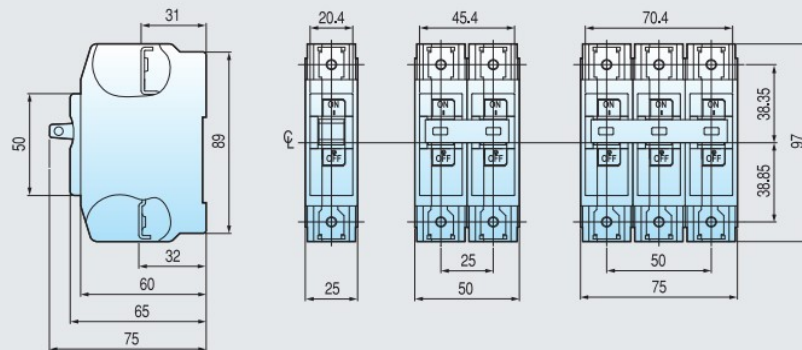
- Trip unit with a fixed thermal and fixed magnetic trip
- All operating mechanisms are of the quick-make, quick-break type and "trip free"
- Two and three-pole breakers shall have common tripping of allpoles.
- Operating handle is "Trip to Off"
- Operating hand and face plate shall indicate rated ampacity.
- Thermal elements shall be calibrated to operate in a 40°C ambient environment in standard.
- Electrical durability: 10,000 operations at In
- Reference temperature: 40°C
- Connection by clamp terminal
- Offering the same slot and depth size with the GB type MCCBs.
  - 60mm depth
  - 50mm slot

#### Technical data

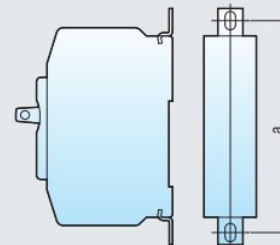
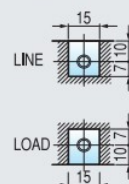
| Type                     | BF-a   | BF-c             |
|--------------------------|--|------------------|
| Rated current            | 10-100A  | 10-100A          |
| Breaking capacity, Icu   | 240V   | 10kA             |
|                          | 415V   | 2.5kA (2, 3pole) |
| Rated insulation voltage | 460VAC   |                  |
| Number of poles          | 1, 2, 3pole                                    |                  |
| Standard                 | IEC 60947-2                                    |                  |
| Protection               | Overload and short circuit                     |                  |
| Characteristic           | See operating curves (p. 44)                   |                  |
| Type of trip             | Thermal magnetic release                       |                  |
| Type of terminal         | Clamp type                                     |                  |
| Installation             | Holder mounting (Bolt on with fixing brackets) |                  |
| Electrical endurance     | 1,500 operations                               |                  |
| Width                    | 25mm per pole                                  |                  |
| Slot                     | 50mm   |                  |
| Accessory                | Not available                                  |                  |

BF-a

BF-c



#### Detailed terminal



\* BFa, BFc same size (a=99~111mm)