

# Isobar 4 outgoers miniature circuit breakers 1 - 63A



1, 2, 3 and 4 pole Type B Miniature circuit breakers



1, 2, 3 and 4 pole Type C Miniature circuit breakers



1, 2 and 3 pole Type D Miniature circuit breakers

## Installation

- In Merlin Gerin Isobar 4 distribution boards
- Symmetrical DIN rail
- Direct panel mounting
- Isobar 4 pan assemblies

## Technical data

- **Current ratings:** 1 - 63A at 30°C to BS EN 60898
  - **Voltage ratings:** 240 - 440Vac
  - **Breaking capacity:** BS EN 60898: 10kA, BS EN 60947-2: 15kA
- See page 140 for further information on breaking capacities and dc ratings.
- **Operating cycles (O-C):** on load 20,000
  - **Operating temperature:** -30°C to +70°C
  - **Positive contact indication:** in accordance with BS 7671
  - **Current limitation:** Class 3
  - **Width:**

| Pole | 18mm SP ways | mm |
|------|--------------|----|
| 1    | 1            | 18 |
| 2    | 2            | 36 |
| 3    | 3            | 54 |
| 4    | 4            | 72 |

- **Dimensions:** see page 172

## Weight:

| Pole | Grams |
|------|-------|
| 1    | 110   |
| 2    | 220   |
| 3    | 340   |
| 4    | 450   |

- Accessories:** see page 26
- Add on earth leakage:** see page 23
- Technical data:** see page 133

**Note:** 2 and 4 pole C60H MCBs are suitable for installation in Isobar 4 distribution boards and pan assemblies with NKIT.

For current ratings greater than 63A, see Section four.

**Note:** Not suitable as outgoing way in Isobar 4c.

- See page 135 for grouping factor

## Isobar 4 outgoers miniature circuit breakers 1 - 63A

### C60HB type B (3 - 5In)

#### Applications

Protection and control of circuits against overloads and short circuits.

- In applications with general load characteristics
- **Tripping characteristics:** BS EN 60898 type B: magnetic setting between 3 and 5 In
- **Cable capacity:**<sup>2</sup>  
1 - 25A = 25mm<sup>2</sup>  
32 - 63A = 35mm<sup>2</sup>
- **Tightening torque:**  
≤ 25A = 2.5Nm  
32 - 63A = 3.5Nm

### C60HB miniature circuit breaker Part N°s

| Ratings 1P<br>(A) | 2P        | 3P        | 4P        |
|-------------------|-----------|-----------|-----------|
| 1                 | C60HB 101 | C60HB 201 | C60HB 301 |
| 2                 | C60HB 102 | C60HB 202 | C60HB 302 |
| 4                 | C60HB 104 | C60HB 204 | C60HB 304 |
| 6                 | C60HB 106 | C60HB 206 | C60HB 306 |
| 10                | C60HB 110 | C60HB 210 | C60HB 310 |
| 16                | C60HB 116 | C60HB 216 | C60HB 316 |
| 20                | C60HB 120 | C60HB 220 | C60HB 320 |
| 25                | C60HB 125 | C60HB 225 | C60HB 325 |
| 32                | C60HB 132 | C60HB 232 | C60HB 332 |
| 40                | C60HB 140 | C60HB 240 | C60HB 340 |
| 50                | C60HB 150 | C60HB 250 | C60HB 350 |
| 63                | C60HB 163 | C60HB 263 | C60HB 363 |

### C60HC type C (5 - 10In)

#### Applications

Protection and control of circuits against overloads and short circuits.

- In applications with moderate inrush currents, such as certain lighting systems
- **Tripping characteristics:** BS EN 60898 type C: magnetic setting between 5 and 10 In
- **Cable capacity:**<sup>2</sup>  
1 - 25A = 25mm<sup>2</sup>  
32 - 63A = 35mm<sup>2</sup>
- **Tightening torque:**  
≤ 25A = 2.5Nm  
32 - 63A = 3.5Nm

### C60HC miniature circuit breaker Part N°s

| Ratings 1P<br>(A) | 2P        | 3P        | 4P        |
|-------------------|-----------|-----------|-----------|
| 1                 | C60HC 101 | C60HC 201 | C60HC 301 |
| 2                 | C60HC 102 | C60HC 202 | C60HC 302 |
| 4                 | C60HC 104 | C60HC 204 | C60HC 304 |
| 6                 | C60HC 106 | C60HC 206 | C60HC 306 |
| 10                | C60HC 110 | C60HC 210 | C60HC 310 |
| 16                | C60HC 116 | C60HC 216 | C60HC 316 |
| 20                | C60HC 120 | C60HC 220 | C60HC 320 |
| 25                | C60HC 125 | C60HC 225 | C60HC 325 |
| 32                | C60HC 132 | C60HC 232 | C60HC 332 |
| 40                | C60HC 140 | C60HC 240 | C60HC 340 |
| 50                | C60HC 150 | C60HC 250 | C60HC 350 |
| 63                | C60HC 163 | C60HC 263 | C60HC 363 |

### C60HD type D (10 - 14In)

#### Applications

Protection and control of circuits against overloads and short circuits.

- In applications with high inrush currents, such as transformers, motors, certain lighting systems etc
- **Tripping characteristics:** BS EN 60898 type D: magnetic setting between 10 and 14 In
- **Cable capacity:**<sup>2</sup>  
1 - 25A = 25mm<sup>2</sup>  
32 - 63A = 35mm<sup>2</sup>
- **Tightening torque:**  
≤ 25A = 2.5Nm  
32 - 63A = 3.5Nm

### C60HD miniature circuit breakers Part N°s

| Ratings 1P<br>(A) | 2P        | 3P        | 4P        |
|-------------------|-----------|-----------|-----------|
| 1                 | C60HD 101 | C60HD 201 | C60HD 301 |
| 2                 | C60HD 102 | C60HD 202 | C60HD 302 |
| 4                 | C60HD 104 | C60HD 204 | C60HD 304 |
| 6                 | C60HD 106 | C60HD 206 | C60HD 306 |
| 10                | C60HD 110 | C60HD 210 | C60HD 310 |
| 16                | C60HD 116 | C60HD 216 | C60HD 316 |
| 20                | C60HD 120 | C60HD 220 | C60HD 320 |
| 25                | C60HD 125 | C60HD 225 | C60HD 325 |
| 32                | C60HD 132 | C60HD 232 | C60HD 332 |
| 40                | C60HD 140 | C60HD 240 | C60HD 340 |
| 50                | C60HD 150 | C60HD 250 | C60HD 350 |
| 63                | C60HD 163 | C60HD 263 | C60HD 363 |