



## MCB 2P 6kA C-63A 2M

Similar image  
(Picture shows MSN220)

### Architecture

|                  |                               |
|------------------|-------------------------------|
| Neutral position | without neutral               |
| Number of poles  | 2 P                           |
| Type of pole     | 2 P                           |
| Fixing mode      | DIN rail type O (symmetrical) |
| Curve            | C                             |

### Functions

|                                  |    |
|----------------------------------|----|
| Concurrently switching N-neutral | no |
|----------------------------------|----|

### Compatibility

|                                   |     |
|-----------------------------------|-----|
| Compatible with DIN rail mounting | yes |
|-----------------------------------|-----|

### Controls and indicators

|                                 |    |
|---------------------------------|----|
| With Contact position indicator | no |
| With fault indicator            | no |

### Connectivity

|   |                  |
|---|------------------|
| Top connection alignment for modular devices    | Aligned terminal |
| Bottom connection alignment for modular devices | Aligned terminal |

### Main electrical features

|                              |       |
|------------------------------|-------|
| Rated operational voltage Ue | 415 V |
| Type of supply voltage       | AC    |

### Voltage

|                                 |        |
|---------------------------------|--------|
| Rated insulation voltage        | 500 V  |
| Max operating voltage           | 415 V  |
| Rated impulse withstand voltage | 4000 V |

#### Electric current

|   |                |
|---|----------------|
| Rated current   | 63 A           |
| Rated service breaking capacity Ics AC according IEC 60898-1                  | 6 kA           |
| min/maxi threshold value of the AC thermal operation                          | 1,13 / 1,45 In |
| Magnetic regulating current   | 5 / 10 In      |
| Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1  | 6 kA           |
| Rated short circuit breaking capacity Icn under 415V AC according IEC 60898-1 | 6 kA           |
| Rated service breaking capacity Ics under 415V AC according IEC 60898-1       | 6 kA           |

#### Electric current / temperature

|                      |         |
|----------------------|---------|
| Rating current -25°C | 83,89 A |
| Rating current -20°C | 82,07 A |
| Rating current -15°C | 80,24 A |
| Rating current -10°C | 78,67 A |
| Rating current -5°C  | 76,58 A |
| Rating current 0°C   | 74,75 A |
| Rating current 5°C   | 72,93 A |
| Rating current 10°C  | 71,1 A  |
| Rating current 15°C  | 69,27 A |
| Rating current 20°C  | 67,44 A |
| Rating current 25°C  | 65,61 A |
| Rating current 30°C  | 63 A    |
| Rating current 35°C  | 61,96 A |
| Rating current 40°C  | 60,13 A |
| Rating current 45°C  | 58,3 A  |
| Rating current 50°C  | 57 A    |
| Rating current 55°C  | 54,65 A |
| Rating current 60°C  | 52,82 A |
| Rating current 65°C  | 50,99 A |
| Rating current 70°C  | 49,16 A |

#### Current correction factors

|   |      |
|---|------|
| Correction factor of rating current for 2 devices placed side-by-side       | 1    |
| Correction factor of rating current for 3 devices placed side-by-side       | 0,95 |
| Correction factor of rating current for 4 and 5 devices placed side-by-side | 0,9  |
| Correction factor of rating current for 6 devices placed side-by-side       | 0,85 |

#### Frequency

|           |             |
|-----------|-------------|
| Frequency | 50 to 60 Hz |
|-----------|-------------|

#### Power

|   |        |
|---|--------|
| Maximum power loss per pole according to the product standard | 13 W   |
| Total power loss under IN                                     | 11,4 W |
| Power loss per pole at In                                     | 5,86 W |

### Endurance

|  |       |
|--|-------|
| Electric endurance in number of cycles | 4000  |
| Number of mechanical operations        | 20000 |

### Dimensions

|                             |       |
|-----------------------------|-------|
| Depth of installed product  | 70 mm |
| Height of installed product | 83 mm |
| Width of installed product  | 35 mm |

### Installation, mounting

|   |            |
|---|------------|
| Type of top connection for modular devices    | with screw |
| Tightening torque                             | 2,8Nm      |
| Type of bottom rail clip for modular devices  | plastic    |
| Type of Bottom Connection for modular devices | Blconnect  |
| Top removability for modular devices          | no         |
| Bottom removability for modular devices       | yes        |
| 360° product mounting position                | yes        |

### Connection

|  |                        |
|--|------------------------|
| Connection cross-section at output with screw, for flexible conductor        | 1 / 25 mm <sup>2</sup> |
| Connection cross-section at output with screw, for massive conductor         | 1 / 35 mm <sup>2</sup> |
| Connection cross-section for rigid conductor, upstream terminals with screws | 1 / 35 mm <sup>2</sup> |
| Connection cross-section of the access with screws, with flexible conductor  | 1 / 25 mm <sup>2</sup> |
| Downstream cage clamp delivery status  | opened                 |
| Upstream cage clamp delivery status  | opened                 |
| Nominal tightening torque bottom terminal                                    | 2,8 Nm                 |
| Nominal tightening torque top terminal                                       | 2,8 Nm                 |

### Equipment

|                                       |     |
|---------------------------------------|-----|
| Can be accessorized                   | yes |
| Accept terminal cover                 | no  |
| With transparent product label holder | yes |

### Standards

|                         |                             |
|-------------------------|-----------------------------|
| Standard text           | IEC 60898-1, AS/NZS 60898-1 |
| European directive WEEE | not concerned               |

### Safety

|                     |      |
|---------------------|------|
| Protection index IP | IP20 |
|---------------------|------|

### Use conditions

|  |           |
|--|-----------|
| Operating temperature                                    | -25 70 °C |
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2         |
| Class of energy limitation I <sup>2</sup> t              | 3         |
| Altitude   | 2000 m    |
| Storage/transport temperature                            | -25 80 °C |

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Temperature of calibration

30 °C

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