

## PRODUCT-DETAILS

# BMF42440

## BMF42440 Residual Current Circuit Breaker



### General Information

|                       |                                                                                                                                                                                                                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | BMF42440                                                                                                                                                                                                                                                                                   |
| Product ID            | 2CSF604042R2400                                                                                                                                                                                                                                                                            |
| EAN                   | 8012542258032                                                                                                                                                                                                                                                                              |
| Catalog Description   | BMF42440 Residual Current Circuit Breaker                                                                                                                                                                                                                                                  |
| Long Description      | <p>The basic M RCCB series assures protection to people and installations against fault current to earth.</p> <p>Protection against indirect contacts and additional protection against direct contacts.</p> <p>This product is manufactured according to international IEC standards.</p> |

### Technical

|                                               |                                  |
|-----------------------------------------------|----------------------------------|
| Standards                                     | IEC 61008-1                      |
| Product Name                                  | Residual Current Circuit Breaker |
| Type of Residual Current                      | AC Type                          |
| Rated Voltage ( $U_r$ )                       | 400 V                            |
| Rated Operational Voltage                     | 230/400 V AC                     |
| Rated Insulation Voltage ( $U_i$ )            | 250 V                            |
| Rated Impulse Withstand Voltage ( $U_{imp}$ ) | 4 kV                             |
| Rated Current ( $I_n$ )                       | 40 A                             |
| Rated Residual Current                        | 100 mA                           |
| Rated Service Short-Circuit Breaking          | 0.5 kA                           |

|                             |                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------|
| Capacity (I <sub>cs</sub> ) |                                                                                   |
| Maximum Surge Current       | 0.25 kA                                                                           |
| Leakage Current Type        | AC                                                                                |
| Rated Frequency (f)         | 50 Hz                                                                             |
| Electrical Endurance        | 2000AC cycle<br>5000 cycle                                                        |
| Number of Poles             | 4                                                                                 |
| Number of Protected Poles   | 4                                                                                 |
| Operating Characteristic    | Instantaneous                                                                     |
| Tightening Torque           | 2 N·m                                                                             |
| Actuator Type               | Toggle                                                                            |
| Mounting Type               | DIN rail                                                                          |
| Actuator Marking            | I / O                                                                             |
| Recommended Screw Driver    | Pozidriv 2                                                                        |
| Accessories Available       | No                                                                                |
| Connecting Capacity         | Flexible 25 mm <sup>2</sup><br>Rigid 35 mm <sup>2</sup>                           |
| Rated Cross-Section         | 4 - Multi-Wired 16...25 mm <sup>2</sup><br>1 - Solid-Core 35...35 mm <sup>2</sup> |
| Wire Stripping Length       | 12.5 mm                                                                           |

## Environmental

|                         |                       |
|-------------------------|-----------------------|
| Ambient Temperature     | -25...55 °C           |
| Ambient Air Temperature | Operation -25...55 °C |
| Degree of Protection    | IP2X                  |
| Pollution Degree        | 2                     |

## Technical UL/CSA

|                                     |       |
|-------------------------------------|-------|
| Short-Circuit Current Rating (SCCR) | 0.1 A |
|-------------------------------------|-------|

## Dimensions

|                                     |       |
|-------------------------------------|-------|
| Width in Number of Modular Spacings | 4     |
| Product Net Width                   | 70 mm |
| Product Net Height                  | 88 mm |
| Product Net Depth / Length          | 69 mm |
| Product Net Weight                  | 245 g |
| Built-In Depth (t <sub>2</sub> )    | 69 mm |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 0.082 m       |
| Package Level 1 Height         | 0.078 m       |
| Package Level 1 Depth / Length | 0.096 m       |
| Package Level 1 Gross Weight   | 0.403 kg      |
| Package Level 1 EAN            | 8012542258032 |

## Ordering

|                         |            |
|-------------------------|------------|
| Minimum Order Quantity  | 1 piece    |
| Customs Tariff Number   | 85363030   |
| Country of Origin       | Italy (IT) |
| Selling Unit of Measure | piece      |

## Certificates and Declarations (Document Number)

|                                |                    |
|--------------------------------|--------------------|
| Declaration of Conformity - CE | 9AKK107991A5972    |
| Instructions and Manuals       | No document needed |

## Popular Downloads

|                                   |                    |
|-----------------------------------|--------------------|
| Data Sheet, Technical Information | 9AKK107045A1496    |
| Instructions and Manuals          | No document needed |

## Classifications

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| ETIM 6                     | EC000003 - Residual current circuit breaker (RCCB)         |
| ETIM 7                     | EC000003 - Residual current circuit breaker (RCCB)         |
| ETIM 8                     | EC000003 - Residual current circuit breaker (RCCB)         |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B             | Business To Consumer                                       |
| CN8                        | 85363030                                                   |
| Object Classification Code | Q                                                          |

## Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Basic M System → Residual Current Devices RCDs

