

# Product datasheet

Specifications



## Miniature circuit breaker, Domae, 2P, 20 A, C Curve, 6000 A

DOMF01220

### Main

|                           |                           |
|---------------------------|---------------------------|
| Range                     | Domae                     |
| Product or component type | Miniature circuit-breaker |
| Device short name         | Domae MCB                 |
| Device application        | Protection                |
| Poles description         | 2P                        |
| Number of protected poles | 1                         |
| Neutral position          | Left                      |
| [In] rated current        | 20 A                      |
| Network type              | AC                        |
| Trip unit technology      | Thermal-magnetic          |
| Curve code                | C                         |
| Breaking capacity         | Icn 6000 A                |
| Quality labels            | CE                        |

### Complementary

|                                                  |                      |
|--------------------------------------------------|----------------------|
| Network frequency                                | 50/60 Hz             |
| [Ue] rated operational voltage                   | 230 V AC 50/60 Hz    |
| Magnetic tripping limit                          | 5...10 x In          |
| Control type                                     | Toggle               |
| Mounting mode                                    | Clip-on              |
| Mounting support                                 | DIN rail             |
| Comb busbar and distribution block compatibility | YES                  |
| Connection pitch                                 | 18 mm between phases |
| 9 mm pitches                                     | 4                    |
| Height                                           | 81 mm                |
| Width                                            | 36 mm                |
| Depth                                            | 71.5 mm              |
| Product weight                                   | 0.190 kg             |

|                          |                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Colour                   | White                                                                                                                       |
| Mechanical durability    | 20000 cycles                                                                                                                |
| Electrical durability    | 10000 cycles                                                                                                                |
| Connections - terminals  | Tunnel type terminals (top or bottom) - 1...25 mm² - rigid<br>Tunnel type terminals (top or bottom) - 1...16 mm² - flexible |
| Wire stripping length    | 14 mm for top or bottom connection                                                                                          |
| Tightening torque        | 2 N.m top or bottom                                                                                                         |
| Earth-leakage protection | Without                                                                                                                     |

## Environment

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| Standards                             | IEC 60898-1                                                                      |
| Product certifications                | SNI                                                                              |
| IP degree of protection               | IP20 conforming to IEC 60529<br>IP40 (modular enclosure) conforming to IEC 60529 |
| Overvoltage category                  | III                                                                              |
| Tropicalisation                       | 2 conforming to IEC 60068-1                                                      |
| Relative humidity                     | 95 % at 55 °C                                                                    |
| Ambient air temperature for operation | -5...60 °C                                                                       |
| Ambient air temperature for storage   | -40...85 °C                                                                      |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 7.5 cm   |
| Package 1 Width              | 1.8 cm   |
| Package 1 Length             | 8.5 cm   |
| Package 1 Weight             | 194 g    |
| Unit Type of Package 2       | CAR      |
| Number of Units in Package 2 | 6        |
| Package 2 Height             | 8 cm     |
| Package 2 Width              | 8.5 cm   |
| Package 2 Length             | 22.5 cm  |
| Package 2 Weight             | 1.413 kg |
| Unit Type of Package 3       | S03      |
| Number of Units in Package 3 | 72       |
| Package 3 Height             | 30 cm    |
| Package 3 Width              | 30 cm    |
| Package 3 Length             | 40 cm    |
| Package 3 Weight             | 17.67 kg |

## Offer Sustainability

|                          |                                   |
|--------------------------|-----------------------------------|
| Sustainable offer status | Green Premium product             |
| REACH Regulation         | <a href="#">REACH Declaration</a> |
| EU RoHS Directive        | Compliant                         |

|                                     |                                                                                                                             |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <a href="#">EU RoHS Declaration</a> |                                                                                                                             |
| Toxic heavy metal free              | Yes                                                                                                                         |
| Mercury free                        | Yes                                                                                                                         |
| China RoHS Regulation               | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope)                 |
| RoHS exemption information          | Yes                                                                                                                         |
| Environmental Disclosure            | <a href="#">Product Environmental Profile</a>                                                                               |
| WEEE                                | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Recommended replacement(s)