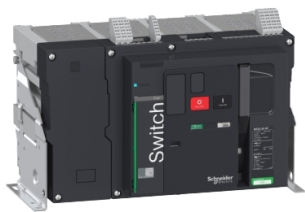


# Product datasheet

Specifications



## Switch disconnecter, MasterPact MTZ2 20HF, 2000A, 187kA/690VAC 50/60Hz (1cm), 4P, fixed

LV848069

### Main

|                           |                       |
|---------------------------|-----------------------|
| Range                     | MasterPact            |
| Product or component type | Switch disconnecter   |
| Device application        | Distribution          |
| Switch-disconnector name  | MasterPact MTZ2 20 HF |
| Poles description         | 4P                    |
| Network type              | AC                    |
| Network frequency         | 50/60 Hz              |

### Complementary

|                                           |                                                                                                                                                                                                                                                                                  |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Control type                              | Push-button                                                                                                                                                                                                                                                                      |
| Mounting mode                             | Fixed                                                                                                                                                                                                                                                                            |
| [Ue] rated operational voltage            | 690 V AC 50/60 Hz conforming to EN/IEC 60947-3                                                                                                                                                                                                                                   |
| [Ie] rated operational current            | 2000 A AC 50/60 Hz 690 V                                                                                                                                                                                                                                                         |
| [Ui] rated insulation voltage             | 1000 V AC 50/60 Hz conforming to EN/IEC 60947-3                                                                                                                                                                                                                                  |
| [Uimp] rated impulse withstand voltage    | 12 kV conforming to EN/IEC 60947-3                                                                                                                                                                                                                                               |
| [Icw] rated short-time withstand current  | 85 kA during 1 s conforming to EN/IEC 60947-3<br>75 kA during 3 s conforming to EN/IEC 60947-3                                                                                                                                                                                   |
| [Icm] rated short-circuit making capacity | 187 kA peak 220...690 V AC at 50/60 Hz                                                                                                                                                                                                                                           |
| Utilisation category                      | AC-23A<br>AC-3                                                                                                                                                                                                                                                                   |
| performance level                         | HF                                                                                                                                                                                                                                                                               |
| Suitability for isolation                 | Yes conforming to EN/IEC 60947-3                                                                                                                                                                                                                                                 |
| Contact position indicator                | Yes                                                                                                                                                                                                                                                                              |
| Visible break                             | No                                                                                                                                                                                                                                                                               |
| Mechanical durability                     | 20000 cycles with periodic preventive maintenance conforming to EN/IEC 60947-3                                                                                                                                                                                                   |
| Electrical durability                     | AC-23A: 8000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-3<br>AC-23A: 6000 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-3<br>AC-3: 6000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-3<br>AC-3: 6000 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-3 |
| Connection pitch                          | 115 mm                                                                                                                                                                                                                                                                           |
| Height                                    | 352 mm                                                                                                                                                                                                                                                                           |
| Width                                     | 537 mm                                                                                                                                                                                                                                                                           |
| Depth                                     | 300 mm                                                                                                                                                                                                                                                                           |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

## Environment

|                                       |                                  |
|---------------------------------------|----------------------------------|
| Net weight                            | 65 kg                            |
| Standards                             | EN/IEC 60947-3                   |
| Product certifications                | IECEE CB Scheme                  |
| IP degree of protection               | IP30                             |
| Pollution degree                      | 3 conforming to EN/IEC 60947-4-1 |
| Ambient air temperature for operation | -25...70 °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             | 35.2 cm |
| Package 1 Width              | 53.7 cm |
| Package 1 Length             | 30.0 cm |
| Package 1 Weight             | 65.0 kg |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

|  Environmental footprint |                                               |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint                                                                          | 1 899 kg CO2 eq.                              |
| Environmental Disclosure                                                                                  | <a href="#">Product Environmental Profile</a> |
| Carbon footprint of the manufacturing phase [A1 to A3]                                                    | 377 kg CO2 eq.                                |
| Carbon footprint of the distribution phase [A4]                                                           | 8 kg CO2 eq.                                  |
| Carbon footprint of the installation phase [A5]                                                           | 9 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]                                                        | 1 380 kg CO2 eq.                              |
| Carbon footprint of the end-of-life phase [C1 to C4]                                                      | 124 kg CO2 eq.                                |

Use Better

|  Materials and Substances |                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard                                                                      | Yes                                                                                                                                   |
| Packaging without single use plastic                                                                        | No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards |
| SCIP Number                                                                                                 | F31d8a4d-e9cb-4afc-bf2c-5965742ce772                                                                                                  |
| EU RoHS Directive                                                                                           | <a href="#">Compliant By Exemption</a>                                                                                                |
| REACH Regulation                                                                                            | <a href="#">Reference contains Substances of Very High Concern above the threshold</a>                                                |
| Halogen-free status                                                                                         | Product contains halogen above thresholds                                                                                             |
| PVC free                                                                                                    | Yes                                                                                                                                   |
| Silicone-free                                                                                               | No                                                                                                                                    |

Use Longer

|  Lifetime extension |    |
|--------------------------------------------------------------------------------------------------------|----|
| Repair                                                                                                 | No |

Use Again

|  Repack and remanufacture |                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recyclability potential, in %                                                                                | 71                                                                                                                                                                                                              |
| End of life manual availability                                                                              | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| Take-back                                                                                                    | Yes                                                                                                                                                                                                             |
| WEEE Label                                                                                                   |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

