# Product data sheet
## Characteristics

# LV848061
Switch disconnector, MasterPact MTZ2 20HA, 2000A, 145kA/690VAC 50/60Hz (Icm), 3P, fixed



## Main

| | |
|---|---|
| Range | MasterPact |
| Product or component type | Switch disconnector |
| Device application | Distribution |
| Switch-disconnector name | MasterPact MTZ2 20 HA |
| Poles description | 3P |
| 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 | 36 KA during 3 s conforming to EN/IEC 60947-3<br>66 KA during 1 s conforming to EN/IEC 60947-3 |
| [Icm] rated short-circuit making capacity | 145 KA peak 220...690 V AC at 50/60 Hz |
| Utilisation category | AC-23A<br>AC-3 |
| Breaking capacity | 66 KA Icu at 220...690 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| [Ics] rated service breaking capacity | 66 KA at 220...690 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Breaking capacity code | HA |
| 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 | 422 Mm |
| Depth | 300 Mm |

## Environment

| | |
|---|---|
| Net weight | 50 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 | 29.5 Cm |
| Package 1 Width | 30.5 Cm |
| Package 1 Length | 37.5 Cm |
| Package 1 Weight | 47.27 Kg |

## Offer Sustainability

| | |
|---|---|
| Recyclability potential, in % | 71 |
| Total lifecycle Carbon footprint | 1 807 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 314.40585365853656 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 314 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 6.808390243902439 |
| Carbon footprint of the distribution phase [A4] | 7 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 7.8965853658536584 |
| Carbon footprint of the installation phase [A5] | 8 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 1374.7969593495936 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 1 375 kg CO2 eq. |
| Mercury free | Yes |
| Sustainable packaging | No |
| Carbon footprint of the end-of-life phase [C1 to C4] | 102.9541463414634 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 103 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 1807 |
| 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 cons |
| SCIP Number | F31d8a4d-e9cb-4afc-bf2c-5965742ce772 |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant By Exemption |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which |
| Halogen-free status | Product contains halogen above thresholds |
| PVC free | Yes |
| Silicone-free | No |
| End of life manual availability | End Of Life Information |
| Take-back | No |
| WEEE Label | The product must be disposed on European Union markets following specific waste collection and |

## Contractual warranty

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

Product Life Status : Commercialised