

# Product datasheet

Specifications



circuit breaker basic frame.  
Masterpact MTZ2 20N1. 2000 A.  
42 kA at 440 VAC 50/60 Hz. 4P.  
drawout. without Micrologic

LV848293

**Price: 87,244.24 ZAR**

## Main

Range	MasterPacT
Product Name	MasterPact MTZ2
Device Short Name	MTZ2 20 N1
Product Or Component Type	Circuit breaker
Device Application	Power distribution protection
Poles Description	4P
Neutral Position	Left
Control Unit	Without control unit
Product Compatibility	control unit MicroLogic 2.0 X control unit MicroLogic 5.0 X control unit MicroLogic 6.0 X control unit MicroLogic 7.0 X control unit MicroLogic 2.0 Xi control unit MicroLogic 5.0 Xi control unit MicroLogic 6.0 Xi control unit MicroLogic 7.0 Xi
[In] Rated Current	2000 A at 40 °C
Performance Type	N1 42 kA 415 V AC
[Ue] Rated Operational Voltage	690 V AC 50/60 Hz
Suitability For Isolation	Yes conforming to EN/IEC 60947-2
Selectivity Category	Category B
Control Type	Push-button
Mounting Mode	Drawout

## Complementary

[Icu] Rated Ultimate Short-Circuit Breaking Capacity	42 kA at 220/415 V AC 50/60 Hz 42 kA at 440 V AC 50/60 Hz 42 kA at 500/525 V AC 50/60 Hz 42 kA at 660/690 V AC 50/60 Hz
[Ics] Rated Service Breaking Capacity	42 kA at 220/415 V AC 50/60 Hz 42 kA at 440 V AC 50/60 Hz 42 kA at 500/525 V AC 50/60 Hz 42 kA at 660/690 V AC 50/60 Hz
[Icw] Rated Short-Time Withstand Current	42 kA 0.5 s 42 kA 1 s 22 kA 3 s

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

<b>[Icm] Rated Short-Circuit Making Capacity</b>	88 kA 220/415 V AC at 50/60 Hz 88 kA 440 V AC at 50/60 Hz 88 kA 500/525 V AC at 50/60 Hz 88 kA 660/690 V AC at 50/60 Hz
<b>Sensor Rating</b>	1000 A 1250 A 1600 A 2000 A
<b>[Ui] Rated Insulation Voltage</b>	1000 V AC 50/60 Hz
<b>[Uimp] Rated Impulse Withstand Voltage</b>	12 kV
<b>Power Dissipation In W</b>	470 W
<b>Maximum Breaking Time</b>	25 ms
<b>Maximum Closing Response Time</b>	70 ms
<b>Mounting Support</b>	Rails Base plate
<b>Upside Connection</b>	Front Rear
<b>Downside Connection</b>	Front Rear
<b>Connection Pitch</b>	115 mm
<b>Mechanical Durability</b>	20000 cycles with periodic preventive maintenance
<b>Electrical Durability</b>	AC-3: 6000 cycles 440/690 V AC 50/60 Hz conforming to EN/IEC 60947-3 6000 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-2 8000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 AC-23A: 6000 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-3 AC-23A: 8000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-3
<b>Height</b>	Drawout circuit breaker with chassis: 439 mm Drawout circuit breaker without chassis: 300 mm
<b>Width</b>	Drawout circuit breaker with chassis: 556 mm Drawout circuit breaker without chassis: 493 mm
<b>Depth</b>	Drawout circuit breaker with chassis: 403 mm Drawout circuit breaker without chassis: 300 mm
<b>Net Weight</b>	120 kg
<b>Standards</b>	EN/IEC 60947-1 EN/IEC 60947-2 EN/IEC 60947-2 Annex H IEC 61557-12
<b>Product Certifications</b>	CE IECEE CB Scheme

## Environment

<b>Ip Degree Of Protection</b>	IP30 conforming to EN 60529
<b>Pollution Degree</b>	3 conforming to IEC 60947-1
<b>Ambient Air Temperature For Operation</b>	-25...70 °C
<b>Ambient Air Temperature For Storage</b>	-40...85 °C
<b>Operating Altitude</b>	0...2000 m without derating 2000...5000 m with derating

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1

<b>Package 1 Height</b>	30.5 cm
<b>Package 1 Width</b>	29.5 cm
<b>Package 1 Length</b>	49.5 cm
<b>Package 1 Weight</b>	49.502 kg

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

Mercury Free

Rohs Exemption Information [Yes](#)

Pvc Free

## Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant with Exemptions

China Rohs Regulation [China RoHS declaration](#)  
Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure [Product Environmental Profile](#)

Circularity Profile [End of Life Information](#)