

Product datasheet

Specifications



Circuit breaker Masterpact MTZ3 50H1. 5000 A. 4P drawout. without Micrologic

LV848345

Price: 522,502.43 ZAR

Main

Range	MasterPacT
Product Name	MasterPact MTZ3
Device Short Name	MTZ3 50 H1
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	5000 A at 40 °C
Performance Type	H1 100 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	100 kA at 220/415 V AC 50/60 Hz 100 kA at 440 V AC 50/60 Hz 100 kA at 500/525 V AC 50/60 Hz 100 kA at 660/690 V AC 50/60 Hz
[Ics] Rated Service Breaking Capacity	100 kA at 220/415 V AC 50/60 Hz 100 kA at 440 V AC 50/60 Hz 100 kA at 500/525 V AC 50/60 Hz 100 kA at 660/690 V AC 50/60 Hz
[Icw] Rated Short-Time Withstand Current	100 kA 0.5 s 100 kA 1 s 100 kA 3 s
[Icm] Rated Short-Circuit Making Capacity	220 kA 220/415 V AC at 50/60 Hz 220 kA 440 V AC at 50/60 Hz 220 kA 500/525 V AC at 50/60 Hz 220 kA 660/690 V AC at 50/60 Hz

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

Sensor Rating	2500 A 3200 A 4000 A 5000 A
[Ui] Rated Insulation Voltage	1000 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	12 kV
Power Dissipation In W	670 W
Maximum Breaking Time	25 ms
Maximum Closing Response Time	80 ms
Mounting Support	Rails Base plate
Upside Connection	Rear
Downside Connection	Rear
Connection Pitch	230 mm
Mechanical Durability	10000 cycles with periodic preventive maintenance
Electrical Durability	AC-3: 6000 cycles 440/690 V AC 50/60 Hz conforming to EN/IEC 60947-3 1500 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 1500 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-2 AC-23A: 1500 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-3 AC-23A: 1500 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-3
Height	Drawout circuit breaker with chassis: 479 mm Drawout circuit breaker without chassis: 300 mm
Width	Drawout circuit breaker with chassis: 1016 mm Drawout circuit breaker without chassis: 838 mm
Depth	Drawout circuit breaker with chassis: 403 mm Drawout circuit breaker without chassis: 300 mm
Net Weight	300 kg
Standards	EN/IEC 60947-1 EN/IEC 60947-2 EN/IEC 60947-2 Annex H IEC 61557-12
Product Certifications	CE IECEE CB Scheme

Environment

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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	60.0 cm
Package 1 Width	50.0 cm
Package 1 Length	120.0 cm
Package 1 Weight	144.325 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-CO₂ 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](#)