

# Product data sheet

Specifications



Circuit breaker frame, MasterPact MTZ2 12N1 drawout for MicroLogic X, 1250A, 42kA/415VAC (Icu), 4P

LV848265

## Main

Range	MasterPacT
Product Name	MasterPact MTZ2
Device Short Name	MTZ2 12 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
Line Rated Current	1250 A 104 °F (40 °C)
Performance Type	N1 42 kA 415 V AC
[Ue] Rated Operational Voltage	690 V AC 50/60 Hz
Suitability For Isolation	Yes 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 220/415 V AC 50/60 Hz 42 kA 440 V AC 50/60 Hz 42 kA 500/525 V AC 50/60 Hz 42 kA 660/690 V AC 50/60 Hz
[Ics] Rated Service Breaking Capacity	42 kA 220/415 V AC 50/60 Hz 42 kA 440 V AC 50/60 Hz 42 kA 500/525 V AC 50/60 Hz 42 kA 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
[Icm] Rated Short-Circuit Making Capacity	88 kA 220/415 V AC 50/60 Hz 88 kA 440 V AC 50/60 Hz 88 kA 500/525 V AC 50/60 Hz 88 kA 660/690 V AC 50/60 Hz

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Sensor Rating	630 A 800 A 1000 A 1250 A
[Ui] Rated Insulation Voltage	1000 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	12 kV
Power Dissipation In W	330 W
Maximum Breaking Time	25 ms
Maximum Closing Response Time	70 ms
Mounting Support	Rails Base plate
Upside Connection	Front Rear
Downside Connection	Front Rear
Connection Pitch	4.53 in (115 mm)
Mechanical Durability	25000 cycles with periodic preventive maintenance
Electrical Durability	10000 cycles 440 V AC 50/60 Hz EN/IEC 60947-2 10000 cycles 690 V AC 50/60 Hz EN/IEC 60947-2
Height	Drawout circuit breaker with chassis 17.28 in (439 mm) Drawout circuit breaker without chassis 11.81 in (300 mm)
Width	Drawout circuit breaker with chassis 21.89 in (556 mm) Drawout circuit breaker without chassis 19.41 in (493 mm)
Depth	Drawout circuit breaker with chassis 15.87 in (403 mm) Drawout circuit breaker without chassis 11.81 in (300 mm)
Net Weight	264.55 lb(US) (120 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 IEC 60947-1
Ambient Air Temperature For Operation	-13...158 °F (-25...70 °C)
Ambient Air Temperature For Storage	-40...185 °F (-40...85 °C)
Operating Altitude	0...6561.68 ft (0...2000 m) without derating 2000...5000 m with derating

## Ordering and shipping details

Gtin	3606480808760
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## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	11.61 in (29.5 cm)

Package 1 Width	12.01 in (30.5 cm)
Package 1 Length	19.49 in (49.5 cm)
Package 1 Weight	117.60 lb(US) (53.342 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	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
California Proposition 65	WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>