# **Product data sheet**

Specification





# Circuit breaker frame, MasterPact MTZ2 20N1 fixed for MicroLogic X, 2000A, 42kA/415VAC (Icu), 3P

LV848056

### 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	3P	
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 6.0 Xi control unit MicroLogic 7.0 Xi	
Line Rated Current	2000 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	Fixed	

## Complementary

[lcu] 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
[lcm] 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.

Sensor Rating	1000 A
•	1250 A
	1600 A
	2000 A
	2000 A
[Ui] Rated Insulation Voltage	1000 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	12 kV
Power Dissipation In W	250 W
Maximum Breaking Time	25 ms
Maximum Closing Response Time	70 ms
Mounting Support	Rails
mounting Support	Base plate
	base plate
Upside Connection	Front
	Rear
Downside Connection	Front
	Rear
Connection Pitch	4.53 in (115 mm)
	4.55 III (115 IIIIII)
Mechanical Durability	20000 cycles with periodic preventive maintenance
Electrical Durability	AC-3 6000 cycles 440/690 V AC 50/60 Hz EN/IEC 60947-3
	6000 cycles 690 V AC 50/60 Hz EN/IEC 60947-2
	8000 cycles 440 V AC 50/60 Hz EN/IEC 60947-2
	AC-23A 6000 cycles 690 V AC 50/60 Hz EN/IEC 60947-3
	AC-23A 8000 cycles 440 V AC 50/60 Hz EN/IEC 60947-3
	710 2071 0000 03000 110 V 710 00700 112 E1411E0 000 17 0
Height	13.86 in (352 mm)
Width	16.61 in (422 mm)
Depth	11.81 in (300 mm)
Net Weight	110.23 lb(US) (50 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	-13158 °F (-2570 °C)
Ambient Air Temperature For Storage	-40185 °F (-4085 °C)
Operating Altitude	06561.68 ft (02000 m) without derating 20005000 m with derating

## Ordering and shipping details

Gtin 3606480806704

## **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	14.76 in (37.5 cm)
Package 1 Weight	104.17 lb(US) (47.252 kg)

## Sustainability Screen Premium

**Green Premium**<sup>TM</sup> **label** is Schneider Electric's commitment to delivering products with best-inclass 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.

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Transparency RoHS/REACh

### Well-being performance

<b>Ø</b>	Mercury Free	
<b>②</b>	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
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 www.P65Warnings.ca.gov