# Product data sheet

Specifications



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

LV848286

#### Main

MasterPacT	
MasterPact MTZ2	
MTZ2 20 N1	
Circuit breaker	
Power distribution protection	
3P	
Without control unit	
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	
2000 A 104 °F (40 °C)	
N1 42 kA 415 V AC	
690 V AC 50/60 Hz	
Yes EN/IEC 60947-2	
Category B	
Push-button	
Drawout	

### Complementary

[Icu] Rated Ultimate Short-Circuit Breaking Capacity	42 kA 220/415 V AC 50/60 Hz
breaking capacity	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	42 kA 220/415 V AC 50/60 Hz
Capacity	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	88 kA 220/415 V AC 50/60 Hz
Capacity	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
	00 KA 000/030 V AC 30/00 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
6	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	470 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	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
Height	Dreward airs it bracker with chassis 47.00 is (400 mm)
Teight	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 17.36 in (441 mm)
	Drawout circuit breaker without chassis 14.88 in (378 mm)
Depth	Drawout circuit breaker with chassis 15.87 in (403 mm)
	Drawout circuit breaker without chassis 11.81 in (300 mm)
Net Weight	198.42 lb(US) (90 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

3606480807008

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

Package 1 Height	12.01 in (30.5 cm)
Package 1 Width	11.61 in (29.5 cm)
Package 1 Length	14.76 in (37.5 cm)
Package 1 Weight	106.75 lb(US) (48.422 kg)

### Sustainability Screen

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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
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