Product data sheet

Specifications





Circuit breaker frame, MasterPact MTZ2 16N1 drawout for MicroLogic X, 1600A, 42kA/ 415VAC (Icu), 3P

LV848272

Main

Range	MasterPacT	
Product Name	MasterPact MTZ2	
Device Short Name	MTZ2 16 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 7.0 Xi	
Line Rated Current	1600 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
[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	800 A
	1000 A
	1250 A
	1600 A
[Ui] Rated Insulation Voltage	1000 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	12 kV
Power Dissipation In W	480 W
Maximum Breaking Time	25 ms
Maximum Closing Response Time	70 ms
Mounting Support	Rails
meaning cappert	Base plate
	base plate
Upside Connection	Front
•	Rear
	100
Downside Connection	Front
	Rear
Connection Pitch	4.53 in (115 mm)
Mechanical Durability	25000 cycles with periodic preventive maintenance
Electrical Durability	10000 avalor 440 V AC 50/60 Hz EN/IEC 60047 2
Liectrical 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)
gc	Drawout circuit breaker with chassis 11.20 in (4.05 min) Drawout circuit breaker without chassis 11.81 in (300 mm)
	Diawout Circuit Dieakei Without Chassis 11.01 iii (300 min)
Width	Drawout circuit breaker with chassis 17.36 in (441 mm)
	Drawout circuit breaker without chassis 14.88 in (378 mm)
	Drawout Ground Stocker Without Grades 17.50 in (670 min)
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
Design of Constituent	
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 3606480808791

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	13 39 in (34 0 cm)

Package 1 Width	15.75 in (40.0 cm)	
Package 1 Length	12.20 in (31.0 cm)	
Package 1 Weight	90.60 lb(US) (41.095 kg)	

Sustainability Green Premium

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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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Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

Ø	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