Product data sheet

Specification





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

LV848042

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 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 Category B	
Control Type	e 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
[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.

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	220 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	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 3606480808302

Packing Units

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

90.94 lb(US) (41.251 kg)

Sustainability Green Premium*

Green PremiumTM **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-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
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