Product data sheet

Specifications

Green Premium™

Circuit breaker frame, MasterPact MTZ2 16H2 fixed for MicroLogic X, 1600A, 100kA/415VAC (Icu), 4P

LV848051

Main

Range	MasterPacT
Product Name	MasterPact MTZ2
Device Short Name	MTZ2 16 H2
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	1600 A 104 °F (40 °C)
Performance Type	H2 100 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

[Icu] Rated Ultimate Short-Circuit Breaking Capacity	100 kA 220/415 V AC 50/60 Hz 100 kA 440 V AC 50/60 Hz 85 kA 500/525 V AC 50/60 Hz 85 kA 660/690 V AC 50/60 Hz
[Ics] Rated Service Breaking Capacity	100 kA 220/415 V AC 50/60 Hz 100 kA 440 V AC 50/60 Hz 85 kA 500/525 V AC 50/60 Hz 85 kA 660/690 V AC 50/60 Hz
[Icw] Rated Short-Time Withstand Current	85 kA 0.5 s 85 kA 1 s 50 kA 3 s
[Icm] Rated Short-Circuit Making Capacity	220 kA 220/415 V AC 50/60 Hz 220 kA 440 V AC 50/60 Hz 187 kA 500/525 V AC 50/60 Hz 187 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.

Integrated Instantaneous Protection (Din In Ka Peak)	171…209 kA
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	170 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 AC-23A 10000 cycles 440 V AC 50/60 Hz EN/IEC 60947-3 AC-23A 10000 cycles 690 V AC 50/60 Hz EN/IEC 60947-3 AC-3 6000 cycles 440/690 V AC 50/60 Hz EN/IEC 60947-3
Height	13.86 in (352 mm)
Width	21.14 in (537 mm)
Depth	11.81 in (300 mm)
Net Weight	143.30 lb(US) (65 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	3606480808357

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	104.17 lb(US) (47.251 kg)

Sustainability ![Green Premium](Green Premium™)

Green Premium^{TM} 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_2 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

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