Product data sheet

Specifications

Circuit breaker frame, MasterPact MTZ2 16H2 drawout for MicroLogic X, 1600A, 100kA/ 415VAC (Icu), 3P

LV848274

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	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	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	Drawout

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
Integrated Instantaneous Protection (Din In Ka Peak)	171…209 kA

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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	390 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	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	-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	3606480808814

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	103.69 lb(US) (47.035 kg)

Sustainability

Green Premium™ 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