

Product data sheet

Specifications



Circuit breaker frame, MasterPact MTZ1 12H2 fixed for MicroLogic X, 1250A, 50kA/415VAC (Icu), 3P

LV847141

Main

Range	MasterPacT
Product name	MasterPact MTZ1
Device short name	MTZ1 12 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	1250 A 104 °F (40 °C)
Performance type	H2 50 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	50 kA 220/415 V AC 50/60 Hz 50 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	50 kA 220/415 V AC 50/60 Hz 50 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 24 kA 3 s
[Icm] rated short-circuit making capacity	105 kA 220/415 V AC 50/60 Hz 105 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
Integrated instantaneous protection (DIN in kA peak)	81...99 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	630 A 800 A 1000 A 1250 A
[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 kV
Power dissipation in W	130 W
Maximum breaking time	25 ms
Maximum closing response time	50 ms
Mounting Support	Rails Base plate
Upside connection	Front Rear
Downside connection	Front Rear
Connection pitch	2.8 in (70 mm)
Mechanical durability	12500 cycles with periodic preventive maintenance
Electrical durability	3000 cycles 690 V AC 50/60 Hz EN/IEC 60947-2 6000 cycles 440 V AC 50/60 Hz EN/IEC 60947-2 AC-23A 3000 cycles 690 V AC 50/60 Hz EN/IEC 60947-3 AC-23A 6000 cycles 440 V AC 50/60 Hz EN/IEC 60947-3 AC-3 6000 cycles 440 V AC 50/60 Hz EN/IEC 60947-3
Height	11.9 in (301 mm)
Width	10.9 in (276 mm)
Depth	8.2 in (209 mm)
Net Weight	30.9 lb(US) (14 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	3606480816154
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Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	9.8 in (25.0 cm)

Package 1 Width	15.7 in (40.0 cm)
Package 1 Length	15.7 in (40.0 cm)
Package weight(Lbs)	34.59 lb(US) (15.69 kg)

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint	
Carbon footprint (kg CO2 eq, Total Life cycle)	951
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards
EU RoHS Directive	Compliant with Exemptions
SCIP Number	44ce05ea-25e9-435c-886d-b1162ae4666b
REACH Regulation	REACH Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Halogen content performance	Product contains halogen above thresholds
PVC free	No
Silicon free	No

Use Again

Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.