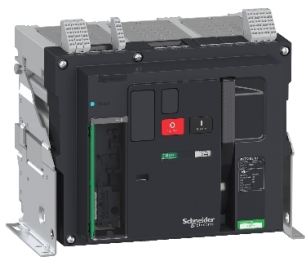


# Product data sheet

Specifications



## Circuit breaker frame, MasterPact MTZ2 08N1 fixed for MicroLogic X, 800A, 42kA/415VAC (Icu), 3P

LV848000

### Main

Range	MasterPacT
product name	MasterPact MTZ2
Device short name	MTZ2 08 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	800 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	Fixed

### 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
[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.

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	400 A 630 A 800 A
[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 kV
Power dissipation in W	62 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	4.5 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	13.9 in (352 mm)
Width	16.6 in (422 mm)
Depth	11.8 in (300 mm)
Net Weight	110.2 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	-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	3606480808142
------	---------------

## 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	90.945 lb(US) (41.252 kg)
------------------	---------------------------

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)	794
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

Use Better

Materials and Substances	
Recycled metal content at CR level	0
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
<a href="#">EU RoHS Directive</a>	Compliant with Exemptions
SCIP Number	F31d8a4d-e9cb-4afc-bf2c-5965742ce772
REACH Regulation	<a href="#">REACH Declaration</a>
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
Halogen content performance	Product contains halogen above thresholds
PVC free	Yes
Silicon free	No

Use Again

Repack and remanufacture	
Circularity Profile	<a href="#">End of Life Information</a>
Take-back	No
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.