

# LV847220

Circuit breaker frame, MasterPact MTZ1  
10H1 drawout for MicroLogic X, 1000A,  
42kA/415VAC (Icu), 3P



## Main

Range	MasterPacT
Product name	MasterPact MTZ1
Device short name	MTZ1 10 H1
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
[In] rated current	1000 A at 40 °C
Performance type	H1 42 kA 415 V AC
[Ue] rated operational voltage	690 V AC 50/60 Hz
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Selectivity category	Category B
Control type	Push-button
Mounting mode	Drawout

## Complementary

[Icu] rated ultimate short-circuit breaking capacity	42 KA at 220/415 V AC 50/60 Hz 42 KA at 440 V AC 50/60 Hz 42 KA at 500/525 V AC 50/60 Hz 42 kA at 660/690 V AC 50/60 Hz
[Ics] rated service breaking capacity	42 KA at 220/415 V AC 50/60 Hz 42 KA at 440 V AC 50/60 Hz 42 KA at 500/525 V AC 50/60 Hz 42 kA at 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	88 KA 220/415 V AC at 50/60 Hz 88 KA 440 V AC at 50/60 Hz 88 KA 500/525 V AC at 50/60 Hz 88 kA 660/690 V AC at 50/60 Hz
Sensor rating	400 A 630 A 800 A 1000 A
[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 kV
Power dissipation in W	150 W
Maximum breaking time	25 ms
Maximum closing response time	50 ms
Mounting support	Rails Base plate

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Upside connection	Front Rear
Downside connection	Front Rear
Connection pitch	70 mm
Mechanical durability	12500 cycles with periodic preventive maintenance
Electrical durability	3000 Cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-2 6000 Cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 AC-23A: 3000 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-3 AC-23A: 6000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-3 AC-3: 6000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-3
Height	Drawout circuit breaker with chassis: 322 mm Drawout circuit breaker without chassis: 259.5 mm
Width	Drawout circuit breaker with chassis: 288 mm Drawout circuit breaker without chassis: 236.5 mm
Depth	Drawout circuit breaker with chassis: 291 mm Drawout circuit breaker without chassis: 207.5 mm
Net weight	30 kg
Standards	EN/IEC 60947-1 EN/IEC 60947-2 EN/IEC 60947-2 Annex H IEC 61557-12
Product certifications	CE[RETURN]IECEE CB Scheme

## Environment

IP degree of protection	IP30 conforming to EN 60529
Pollution degree	3 conforming to IEC 60947-1
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Operating altitude	0...2000 m without derating 2000...5000 m with derating

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	25.0 cm
Package 1 Width	40.0 cm
Package 1 Length	40.0 cm
Package 1 Weight	23.068 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
PVC free	Yes