# LV847157

Circuit breaker frame, MasterPact MTZ1 16H2 fixed for MicroLogic X, 1600A, 50kA/415VAC (Icu), 4P





#### Main

Range	MasterPacT
Product name	MasterPact MTZ1
Device short name	MTZ1 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
[In] rated current	1600 A at 40 °C
Performance type	H2 50 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	Fixed
Performance type [Ue] rated operational voltage Suitability for isolation Selectivity category Control type	Control unit MicroLogic 6.0 Xi Control unit MicroLogic 7.0 Xi  1600 A at 40 °C  H2 50 kA 415 V AC  690 V AC 50/60 Hz  Yes conforming to EN/IEC 60947-2  Category B  Push-button

#### Complementary

[lcu] rated ultimate short-circuit breaking capacity	50 KA at 220/415 V AC 50/60 Hz 50 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
[lcs] rated service breaking capacity	50 KA at 220/415 V AC 50/60 Hz 50 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
[lcw] rated short-time withstand current	42 KA 0.5 s 42 KA 1 s 24 kA 3 s
[lcm] rated short-circuit making capacity	105 KA 220/415 V AC at 50/60 Hz 105 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
Integrated instantaneous protection (DIN in kA peak)	8199 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	220 W
Maximum breaking time	25 ms
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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 inherent for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the dourn and restring 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.

Maximum closing response time	50 ms
Mounting support	Rails
	Base plate
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	301 mm
Width	346 mm
Depth	209 mm
Net weight	18 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	-2570 °C
Ambient air temperature for storage	-4085 °C
Operating altitude	02000 m without derating 20005000 m with derating

### **Packing Units**

3		
Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	40.0 cm	
Package 1 Width	40.0 cm	
Package 1 Length	30.0 cm	
Package 1 Weight	21.506 kg	

# Offer Sustainability

Sustainable offer status	Green Premium product	
REACh Regulation	☑ REACh Declaration	
EU RoHS Directive	Compliant with Exemptions	
Mercury free	Yes	
China RoHS Regulation	☐ China RoHS Declaration	
RoHS exemption information	₫Yes	
Environmental Disclosure	Product Environmental Profile	
Circularity Profile	☑ End Of Life Information	
PVC free	Yes	