

# Product datasheet

Specifications



## Circuit breaker frame, MasterPact MTZ2 08H1b drawout for MicroLogic X, 800A, 85kA/440VAC (Icu), 3P

LV864952

### Main

Range	MasterPacT
Product name	MasterPact MTZ2
Device short name	MTZ2 08 H1b
Product or component type	Circuit breaker
Device application	Power distribution protection
Poles description	3P
Control type	Without control unit
[In] rated current	800 A at 40 °C
Breaking capacity code	H1b 85 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

Breaking capacity	85 kA at 690 V AC 50/60 Hz 85 kA at 380/415 V AC 50/60 Hz
[Ics] rated service breaking capacity	85 kA at 690 V AC 50/60 Hz 85 kA at 380/415 V AC 50/60 Hz
[Icw] rated short-time withstand current	50 kA 3 s 85 kA 1 s
[Icm] rated short-circuit making capacity	187 kA 525 V AC at 50/60 Hz 187 kA 690 V AC at 50/60 Hz
Integrated instantaneous protection (DIN in kA peak)	171...209 kA
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	100 W
Maximum breaking time	25 ms
Maximum closing response time	70 ms
Mounting support	Rails Base plate

<b>Upside connection</b>	Front Rear
<b>Downside connection</b>	Front Rear
<b>Connection pitch</b>	115 mm
<b>Mechanical durability</b>	25000 cycles with periodic preventive maintenance
<b>Electrical durability</b>	10000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 10000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2
<b>Height</b>	Drawout circuit breaker with chassis: 439 mm Drawout circuit breaker without chassis: 300 mm
<b>Width</b>	Drawout circuit breaker with chassis: 441 mm Drawout circuit breaker without chassis: 378 mm
<b>Depth</b>	Drawout circuit breaker with chassis: 403 mm Drawout circuit breaker without chassis: 300 mm
<b>Product weight</b>	90 kg
<b>Standards</b>	IEC 60364-8-1 IEC 60947-2
<b>Product certifications</b>	ASEFA

## Environment

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

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	10.0 cm
<b>Package 1 Width</b>	10.0 cm
<b>Package 1 Length</b>	10.0 cm
<b>Package 1 Weight</b>	1.0 kg

## Contractual warranty

<b>Warranty (in months)</b>	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

Total lifecycle Carbon footprint	1 260 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	493 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	11 kg CO2 eq.
Carbon footprint of the installation phase [A5]	12 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	583 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	161 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## 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
SCIP Number	F31d8a4d-e9cb-4afc-bf2c-5965742ce772
EU RoHS Directive	<a href="#">Compliant By Exemption</a>
REACH Regulation	<a href="#">Reference contains Substances of Very High Concern above the threshold</a>
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes
Silicone-free	No

## Use Longer



### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

Recyclability potential, in %	71
End of life manual availability	<a href="#">End of Life Information</a>
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

