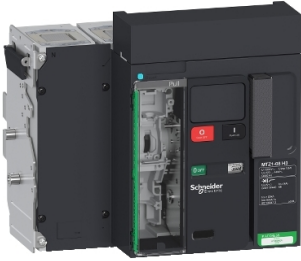


# Product datasheet

Specifications



## Circuit breaker Masterpact MTZ1 08H3 - 800 A - 4P drawout - w/o Micrologic

LV846458

EAN Code: 3606481155450

### Main

Range	MasterPacT
Product name	MasterPact MTZ1
Device short name	MTZ1 08 H3
Product or component type	Circuit breaker
Device application	Power distribution protection
Poles description	4P
Neutral position	Left
Control type	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	800 A at 40 °C
Breaking capacity code	H3 66 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	66 kA at 220/415 V AC 50/60 Hz 66 kA at 440 V AC 50/60 Hz
[Ics] rated service breaking capacity	50 kA at 440 V AC 50/60 Hz 50 kA at 220/415 V AC 50/60 Hz
[Icw] rated short-time withstand current	30 kA 3 s 50 kA 1 s 50 kA 0.5 s
[Icm] rated short-circuit making capacity	145 kA 220/415 V AC at 50/60 Hz 145 kA 440 V AC at 50/60 Hz
Integrated instantaneous protection (DIN in kA peak)	99...121 kA
Sensor rating	400 A 630 A 800 A

<b>[Ui] rated insulation voltage</b>	1000 V AC 50/60 Hz
<b>[Uimp] rated impulse withstand voltage</b>	12 kV
<b>Power dissipation in W</b>	90 W
<b>Maximum breaking time</b>	25 ms
<b>Maximum closing response time</b>	50 ms
<b>Mounting support</b>	Rails Base plate
<b>Upside connection</b>	Front Rear
<b>Downside connection</b>	Front Rear
<b>Connection pitch</b>	70 mm
<b>Mechanical durability</b>	10000 cycles with periodic preventive maintenance
<b>Electrical durability</b>	6000 cycles 440 V AC 50/60 Hz at In conforming to EN/IEC 60947-2 AC-23A: 6000 cycles 440 V AC 50/60 Hz at In conforming to EN/IEC 60947-3 AC-3: 6000 cycles 440 V AC 50/60 Hz at In conforming to EN/IEC 60947-3
<b>Height</b>	Drawout circuit breaker with chassis: 322 mm Drawout circuit breaker without chassis: 259.5 mm
<b>Width</b>	Drawout circuit breaker with chassis: 358 mm Drawout circuit breaker without chassis: 306.5 mm
<b>Depth</b>	Drawout circuit breaker with chassis: 291 mm Drawout circuit breaker without chassis: 207.5 mm
<b>Net weight</b>	39 kg
<b>Standards</b>	EN/IEC 60947-1 EN/IEC 60947-2 EN/IEC 60947-2 Annex H IEC 61557-12
<b>Product certifications</b>	CE IECEE CB Scheme

## 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>	40.0 cm
<b>Package 1 Width</b>	30.0 cm
<b>Package 1 Length</b>	40.0 cm
<b>Package 1 Weight</b>	15.0 kg

## Logistical informations

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Country of origin FR

## Contractual warranty

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Warranty (in months) 18



## 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	921 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	278 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	7 kg CO2 eq.
Carbon footprint of the installation phase [A5]	28 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	530 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	78 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	44ce05ea-25e9-435c-886d-b1162ae4666b
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	No
Silicone-free	No

## Use Longer




### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

Recyclability potential, in %	73
End of life manual availability	<a href="#">End of Life Information</a>
Take-back	Nej
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

