

# Product datasheet

Specifications



## Circuit breaker Masterpact MTZ3 40H1, 4000 A, 4P drawout, without Micrologic

LV848339

EAN Code: 3606480824173

### Main

Range	MasterPacT
Product name	MasterPact MTZ3
Device short name	MTZ3 40 H1
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	4000 A at 40 °C
Performance type	H1 100 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	100 kA at 220/415 V AC 50/60 Hz 100 kA at 440 V AC 50/60 Hz 100 kA at 500/525 V AC 50/60 Hz 100 kA at 660/690 V AC 50/60 Hz
[Ics] rated service breaking capacity	100 kA at 220/415 V AC 50/60 Hz 100 kA at 440 V AC 50/60 Hz 100 kA at 500/525 V AC 50/60 Hz 100 kA at 660/690 V AC 50/60 Hz
[Icw] rated short-time withstand current	100 kA 0.5 s 100 kA 1 s 100 kA 3 s
[Icm] rated short-circuit making capacity	220 kA 220/415 V AC at 50/60 Hz 220 kA 440 V AC at 50/60 Hz 220 kA 500/525 V AC at 50/60 Hz 220 kA 660/690 V AC at 50/60 Hz

<b>Sensor rating</b>	2000 A 2500 A 3200 A 4000 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>	600 W
<b>Maximum breaking time</b>	25 ms
<b>Maximum closing response time</b>	80 ms
<b>Mounting support</b>	Rails Base plate
<b>Upside connection</b>	Rear
<b>Downside connection</b>	Rear
<b>Connection pitch</b>	230 mm
<b>Mechanical durability</b>	10000 cycles with periodic preventive maintenance
<b>Electrical durability</b>	AC-3: 6000 cycles 440/690 V AC 50/60 Hz conforming to EN/IEC 60947-3 1500 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 1500 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-2 AC-23A: 1500 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-3 AC-23A: 1500 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-3
<b>Height</b>	Drawout circuit breaker with chassis: 479 mm Drawout circuit breaker without chassis: 300 mm
<b>Width</b>	Drawout circuit breaker with chassis: 1016 mm Drawout circuit breaker without chassis: 838 mm
<b>Depth</b>	Drawout circuit breaker with chassis: 403 mm Drawout circuit breaker without chassis: 300 mm
<b>Net weight</b>	300 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>	60.0 cm
<b>Package 1 Width</b>	50.0 cm
<b>Package 1 Length</b>	120.0 cm
<b>Package 1 Weight</b>	144.326 kg

## Logistical informations

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Country of origin FR

## Contractual warranty

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Warranty 18 months



## 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 4965

Environmental Disclosure [Product Environmental Profile](#)

## 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

[EU RoHS Directive](#) Compliant with Exemptions

SCIP Number F31d8a4d-e9cb-4afc-bf2c-5965742ce772

REACH Regulation [REACH Declaration](#)

Halogen-free status Product contains halogen above thresholds

PVC free Yes

Silicone-free No

## Use Again

### Repack and remanufacture

Recyclability potential, in % 71

End of life manual availability [End of Life Information](#)

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