

Product data sheet

Specifications



Circuit breaker MasterPact MTZ3 50H, 5000A, 3P fixed, without MicroLogic

LV864675

Main

Range	MasterPacT
Product name	MasterPact MTZ3
Device short name	MTZ3 50 H
Product or Component Type	Circuit breaker
Device Application	Power distribution protection
Poles description	3P
Control unit	Without control unit
Line Rated Current	5000 A 104 °F (40 °C)
Performance type	H
[Ue] rated operational voltage	240...600 V AC 50/60 Hz
Control Type	Push-button
Mounting Mode	Fixed

Complementary

[Icu] rated ultimate short-circuit breaking capacity	100 kA 240 V AC 50/60 Hz 100 kA 480 V AC 50/60 Hz 85 kA 600 V AC 50/60 Hz
[Icw] rated short-time withstand current	85 kA 1 s IEC 60947-2
Integrated instantaneous protection (DIN in kA peak)	75 kA
Sensor rating	5000 A
[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 kV
Maximum breaking time	30 ms
Maximum closing response time	70 ms
Mounting Support	Rails Base plate
Upside connection	Rear
Downside connection	Rear
Connection pitch	4.5 in (115 mm)
Mechanical durability	10000 cycles with periodic preventive maintenance IEC 60947-2
Height	13.9 in (352 mm)
Width	30.2 in (767 mm)
Depth	11.8 in (300 mm)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Standards	UL 489
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Environment

IP degree of protection	IP30
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Pollution degree	3 IEC 60947-1
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Ambient Air Temperature for Operation	-13...158 °F (-25...70 °C)
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Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
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Ordering and shipping details

GTIN	3606480818288
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Packing Units

Unit Type of Package 1	PCE
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Nbr. of units in pkg.	1
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Contractual warranty

Warranty (in months)	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	4 414 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	587 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	13 kg CO2 eq.
Carbon footprint of the installation phase [A5]	15 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	3 608 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	192 kg CO2 eq.

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
SCIP Number	F31d8a4d-e9cb-4afc-bf2c-5965742ce772
REACH Regulation	REACH Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Halogen content performance	Product contains halogen above thresholds
PVC free	Yes
Silicon free	No

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Circularity Profile	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.
