Product datasheet

Specifications

Circuit breaker MTZ3 40H1 - 4000 A - 4P drawout right neutral - w/o Micrologic

LV848333

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	Right
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

Sensor rating	2000 A 2500 A 3200 A 4000 A
[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 kV
Power dissipation in W	600 W
Maximum breaking time	25 ms
Maximum closing response time	80 ms
Mounting support	Rails Base plate
Upside connection	Rear
Downside connection	Rear
Connection pitch	230 mm
Mechanical durability	10000 cycles with periodic preventive maintenance
Electrical durability	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
Height	Drawout circuit breaker with chassis: 479 mm Drawout circuit breaker without chassis: 300 mm
Width	Drawout circuit breaker with chassis: 1016 mm Drawout circuit breaker without chassis: 838 mm
Depth	Drawout circuit breaker with chassis: 403 mm Drawout circuit breaker without chassis: 300 mm
Net weight	300 kg
Standards	EN/IEC 60947-1 EN/IEC 60947-2 EN/IEC 60947-2 Annex H IEC 61557-12
Product certifications	CE 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	-25…70 °C
Ambient air temperature for storage	-40…85 °C
Operating altitude	0...2000 m without derating 2000...5000 m with derating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	60.0 cm
Package 1 Width	120.0 cm
Package 1 Length	50.0 cm
Package 1 Weight	133.326 kg

Contractual warranty

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	**4 965 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**
Carbon footprint of the manufacturing phase [A1 to A3]	**1 368 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**30 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**34 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**3 086 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**448 kg CO2 eq.**

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	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
Halogen-free status	**Product contains halogen above thresholds**
PVC free	**Yes**
Silicone-free	**No**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**71**
End of life manual availability	**End of Life Information**
Take-back	**Yes**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**