Product datasheet

Specifications

Circuit breaker MTZ2 08H1 - 800 A - 4P drawout - right neutral - w/o Micrologic

LV848226

Main

Range	MasterPacT
Product name	MasterPact MTZ2
Device short name	MTZ2 08 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	800 A at 40 °C
Performance type	H1 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

[Icu] rated ultimate short-circuit breaking capacity	66 kA at 220/415 V AC 50/60 Hz 66 kA at 440 V AC 50/60 Hz 66 kA at 500/525 V AC 50/60 Hz 66 kA at 660/690 V AC 50/60 Hz
[Ics] rated service breaking capacity	66 kA at 220/415 V AC 50/60 Hz 66 kA at 440 V AC 50/60 Hz 66 kA at 500/525 V AC 50/60 Hz 66 kA at 660/690 V AC 50/60 Hz
[Icw] rated short-time withstand current	66 kA 0.5 s 66 kA 1 s 36 kA 3 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 145 kA 500/525 V AC at 50/60 Hz 145 kA 660/690 V AC at 50/60 Hz

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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
Upside connection	Front Rear
Downside connection	Front Rear
Connection pitch	115 mm
Mechanical durability	25000 cycles with periodic preventive maintenance
Electrical durability	10000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 10000 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-2 AC-23A: 10000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-3 AC-23A: 10000 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-3 AC-3: 6000 cycles 440/690 V AC 50/60 Hz conforming to EN/IEC 60947-3
Height	Drawout circuit breaker with chassis: 439 mm Drawout circuit breaker without chassis: 300 mm
Width	Drawout circuit breaker with chassis: 556 mm Drawout circuit breaker without chassis: 493 mm
Depth	Drawout circuit breaker with chassis: 403 mm Drawout circuit breaker without chassis: 300 mm
Net weight	120 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	30.0 cm
Package 1 Width	30.0 cm
Package 1 Length	50.0 cm

Package 1 Weight	54.654 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	**1 459 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**
Carbon footprint of the manufacturing phase [A1 to A3]	**629 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**14 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**16 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**595 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**206 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**
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 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	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**