Product datasheet

Specifications

Circuit breaker Masterpact MTZ2 20L1, 2000 A, 3P drawout, without Micrologic

LV848290

EAN Code: 3606480807015

Main

Range	MasterPacT
Product name	MasterPact MTZ2
Device short name	MTZ2 20 L1
Product or component type	Circuit breaker
Device application	Power distribution protection
Poles description	3P
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	2000 A at 40 °C
Performance type	L1 150 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	150 kA at 220/415 V AC 50/60 Hz 150 kA at 440 V AC 50/60 Hz 130 kA at 500/525 V AC 50/60 Hz 100 kA at 660/690 V AC 50/60 Hz
[Ics] rated service breaking capacity	150 kA at 220/415 V AC 50/60 Hz 150 kA at 440 V AC 50/60 Hz 130 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	30 kA 0.5 s 30 kA 1 s 30 kA 3 s
[Icm] rated short-circuit making capacity	330 kA 220/415 V AC at 50/60 Hz 330 kA 440 V AC at 50/60 Hz 286 kA 500/525 V AC at 50/60 Hz 220 kA 660/690 V AC at 50/60 Hz
Integrated instantaneous protection (DIN in kA peak)	72…88 kA

Sensor rating	1000 A 1250 A 1600 A 2000 A
[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 kV
Power dissipation in W	470 W
Maximum breaking time	10 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	20000 cycles with periodic preventive maintenance
Electrical durability	3000 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-2 3000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-2
Height	Drawout circuit breaker with chassis: 439 mm Drawout circuit breaker without chassis: 300 mm
Width	Drawout circuit breaker with chassis: 441 mm Drawout circuit breaker without chassis: 378 mm
Depth	Drawout circuit breaker with chassis: 403 mm Drawout circuit breaker without chassis: 300 mm
Net weight	90 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	30.5 cm
Package 1 Width	29.5 cm
Package 1 Length	37.5 cm
Package 1 Weight	49.682 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	**3 299 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**
Carbon footprint of the manufacturing phase [A1 to A3]	**524 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**11 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**13 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**2 579 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**172 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**