

Product datasheet

Specifications



Circuit breaker frame, MasterPact MTZ2 20H1b drawout for MicroLogic X, 2000A, 85kA/440VAC (Icu), 3P

LV864968

Main

Range	MasterPacT
Product name	MasterPact MTZ2
Device short name	MTZ2 20 H1b
Product or component type	Circuit breaker
Device application	Power distribution protection
Poles description	3P
Control type	Without control unit
[In] rated current	2000 A at 40 °C
Breaking capacity code	H1b 85 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

Breaking capacity	85 kA at 690 V AC 50/60 Hz 85 kA at 380/415 V AC 50/60 Hz
[Ics] rated service breaking capacity	85 kA at 690 V AC 50/60 Hz 85 kA at 380/415 V AC 50/60 Hz
[Icw] rated short-time withstand current	85 kA 1 s 75 kA 3 s
[Icm] rated short-circuit making capacity	187 kA 525 V AC at 50/60 Hz 187 kA 690 V AC at 50/60 Hz
Integrated instantaneous protection (DIN in kA peak)	171...209 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
Maximum breaking time	25 ms
Maximum closing response time	70 ms
Mounting support	Rails Base plate

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Upside connection	Front Rear
Downside connection	Front Rear
Connection pitch	115 mm
Mechanical durability	20000 cycles with periodic preventive maintenance
Electrical durability	6000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 8000 cycles 440 V AC 50/60 Hz without maintenance 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
Product weight	90 kg
Standards	IEC 60947-2 IEC 60364-8-1
Product certifications	ASEFA

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	10.0 cm
Package 1 Width	10.0 cm
Package 1 Length	10.0 cm
Package 1 Weight	1.0 kg

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	3 299 kg CO2 eq.
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.
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
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
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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

