

Product data sheet

Specifications



Circuit breaker Masterpact MTZ2 20H3, 2000 A, 4P drawout, without Micrologic

LV848296

Main

Range	MasterPacT
Product name	MasterPact MTZ2
Device short name	MTZ2 20 H3
Product or component type	Circuit breaker
Device application	Power distribution protection
Poles description	4P
Neutral position	Left
Control type	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
Breaking capacity code	H3 150 kA 415 V AC
[Ue] rated operational voltage	440 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	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	66 kA 0.5 s 66 kA 1 s 66 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

List Price displayed is VAT EXCLUSIVE.

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

Integrated instantaneous protection (DIN in kA peak)	135...165 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	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	20000 cycles with periodic preventive maintenance
Electrical durability	2000 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-2 2000 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: 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	30.5 cm
Package 1 Width	29.5 cm
Package 1 Length	49.5 cm

Package 1 Weight	49.499 kg
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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	3 498 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	660 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	14 kg CO2 eq.
Carbon footprint of the installation phase [A5]	17 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	2 591 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	216 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	Nej
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

