



Main

Range	Masterpact
Product name	Masterpact MTZ3
Device short name	MTZ3 50 H1
Product or component type	Circuit breaker
Device application	Protection
Poles description	4P
Neutral position	Left
Network type	AC
Network frequency	50/60 Hz
Breaking capacity code	H1
Suitability for isolation	Yes IEC 60947-2
Selectivity category	Category B

Complementary

Control type	Push-button
Mounting mode	Drawout
Mounting support	Rails Base plate
Line Rated Current	5000 A 104 °F (40 °C)
[Ui] rated insulation voltage	1000 V AC 50/60 Hz IEC 60947-2
[Uimp] rated impulse withstand voltage	12 kVIEC 60947-2
[Icm] rated short-circuit making capacity	220 KA 220/415 V AC 50/60 Hz 220 KA 440 V AC 50/60 Hz 220 KA 500/525 V AC 50/60 Hz 220 kA 660/690 V AC 50/60 Hz
[Ue] rated operational voltage	690 V AC 50/60 Hz IEC 60947-2
Circuit breaker CT rating	5000 A
Performance level	100 KA Icu 220/415 V AC 50/60 Hz IEC 60947-2 100 KA Icu 440 V AC 50/60 Hz IEC 60947-2 100 KA Icu 500/525 V AC 50/60 Hz IEC 60947-2 100 kA Icu 660/690 V AC 50/60 Hz IEC 60947-2
[Ics] rated service breaking capacity	100 KA 220/415 V AC 50/60 Hz IEC 60947-2 100 KA 440 V AC 50/60 Hz IEC 60947-2 100 KA 500/525 V AC 50/60 Hz IEC 60947-2 100 kA 660/690 V AC 50/60 Hz IEC 60947-2
Mechanical durability	10000 cycles with periodic preventive maintenance IEC 60947-2
Electrical durability	AC-3 6000 cycles 440/690 V AC 50/60 Hz IEC 60947-3 1500 Cycles 440 V AC 50/60 Hz IEC 60947-2 1500 Cycles 690 V AC 50/60 Hz IEC 60947-2 AC-23A 1500 cycles 440 V AC 50/60 Hz IEC 60947-3 AC-23A 1500 cycles 690 V AC 50/60 Hz IEC 60947-3
Connection pitch	9.06 in (230 mm)
[Icw] rated short-time withstand current	100 KA 0.5 s IEC 60947-2 100 KA 1 s IEC 60947-2 100 kA 3 s IEC 60947-2
Maximum breaking time	25 ms
Maximum closing response time	80 ms
Height	Drawout circuit breaker without chassis 11.81 in (300 mm) Drawout circuit breaker with chassis 18.86 in (479 mm)

Width	Drawout circuit breaker without chassis 32.99 in (838 mm) Drawout circuit breaker with chassis 40.00 in (1016 mm)
Depth	Drawout circuit breaker without chassis 11.81 in (300 mm) Drawout circuit breaker with chassis 15.87 in (403 mm)

Environment

Standards	IEC 60364-8-1 IEC 60947-2
Product certifications	ASTA
Pollution degree	3 IEC 60947-1
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)

Ordering and shipping details

GTIN	03606480824210
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Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: DINP and DIDP which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to www.p65warnings.ca.gov
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
PVC free	Yes