



### Main

Range	Masterpact
Product name	Masterpact MTZ3
Device short name	MTZ3 50 H2
Product or component type	Circuit breaker
Device application	Protection
Poles description	3P
Network type	AC
Network frequency	50/60 Hz
Breaking capacity code	H2
Suitability for isolation	Yes conforming to IEC 60947-2
Selectivity category	Category B

### Complementary







Control type	Push-button
Mounting mode	Drawout
Mounting support	Rails Base plate
[In] rated current	5000 A at 40 °C
[Ui] rated insulation voltage	1000 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	12 kV conforming to IEC 60947-2
[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
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Circuit breaker CT rating	5000 A
Performance level	150 kA Icu at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 150 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 130 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	150 kA at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 150 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 130 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 100 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	10000 cycles with periodic preventive maintenance conforming to IEC 60947-2
Electrical durability	AC-3: 6000 cycles 440/690 V AC 50/60 Hz conforming to IEC 60947-3 1500 Cycles 440 V AC 50/60 Hz conforming to IEC 60947-2 1500 Cycles 690 V AC 50/60 Hz conforming to IEC 60947-2 AC-23A: 1500 cycles 440 V AC 50/60 Hz conforming to IEC 60947-3 AC-23A: 1500 cycles 690 V AC 50/60 Hz conforming to IEC 60947-3
Connection pitch	230 mm
[Icw] rated short-time withstand current	100 kA 0.5 s conforming to IEC 60947-2 100 kA 1 s conforming to IEC 60947-2 100 kA 3 s conforming to IEC 60947-2
Integral instant protection	243...297 kA
Maximum breaking time	25 ms
Maximum closing response time	80 ms
Height	Drawout circuit breaker without chassis: 300 mm Drawout circuit breaker with chassis: 479 mm

Width	Drawout circuit breaker without chassis: 668 mm Drawout circuit breaker with chassis: 786 mm
Depth	Drawout circuit breaker without chassis: 300 mm Drawout circuit breaker with chassis: 403 mm

## Environment

Standards	IEC 60364-8-1 IEC 60947-2
Product certifications	ASEFA
Pollution degree	3 conforming to IEC 60947-1
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#"> REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#"> EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#"> Yes</a>
China RoHS Regulation	<a href="#"> China RoHS Declaration</a>
Environmental Disclosure	<a href="#"> Product Environmental Profile</a>
Circularity Profile	<a href="#"> End Of Life Information</a>
PVC free	Yes