



**Main**

Range	Masterpact
Product name	Masterpact MTZ2
Device short name	MTZ2 20 H1
Product or component type	Circuit breaker
Device application	Protection
Poles description	3P
Network type	AC
Network frequency	50/60 Hz
Breaking capacity code	H1
Suitability for isolation	Yes conforming to IEC 60947-2
Selectivity category	Category B

**Complementary**

Control type	Push-button
Mounting mode	Fixed
Mounting support	Base plate Rails
[In] rated current	2000 A at 40 °C
[Ui] rated insulation voltage	1000 V AC 50/60 Hz conforming to IEC 60947-2
[Uiimp] rated impulse withstand voltage	12 kV conforming to IEC 60947-2
[Icm] rated short-circuit making capacity	145 KA 220/415 V AC at 50/60 Hz 145 KA 440 V AC at 50/60 Hz 145 KA 500/525 V AC at 50/60 Hz 145 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	2000 A
Performance level	66 KA Icu at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 66 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 66 KA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 66 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	66 KA at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 66 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 66 KA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 66 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	20000 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 6000 Cycles 690 V AC 50/60 Hz conforming to IEC 60947-2 8000 Cycles 440 V AC 50/60 Hz conforming to IEC 60947-2 AC-23A: 6000 cycles 690 V AC 50/60 Hz conforming to IEC 60947-3 AC-23A: 8000 cycles 440 V AC 50/60 Hz conforming to IEC 60947-3
Connection pitch	115 mm
[Icw] rated short-time withstand current	66 KA 0.5 s conforming to IEC 60947-2 66 KA 1 s conforming to IEC 60947-2 36 kA 3 s conforming to IEC 60947-2
Maximum breaking time	25 ms
Maximum closing response time	70 ms
Height	352 mm
Width	422 mm
Depth	300 mm

## Environment

Standards	IEC 60947-2 IEC 60364-8-1
Product certifications	ASTA
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	 Yes
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