



Main

Range	Masterpact
Product name	Masterpact MTZ1
Device short name	MTZ1 12 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	1250 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	88 kA 220/415 V AC at 50/60 Hz 88 kA 440 V AC at 50/60 Hz 88 kA 500/525 V AC at 50/60 Hz 88 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	400 A 800 A 1000 A 630 A 1250 A

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

Performance level	42 kA Icu at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 42 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 42 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 42 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	42 kA at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 42 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 42 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 42 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	12500 cycles with periodic preventive maintenance conforming to IEC 60947-2
Electrical durability	3000 cycles 690 V AC 50/60 Hz conforming to IEC 60947-2 6000 cycles 440 V AC 50/60 Hz conforming to IEC 60947-2 AC-23A: 3000 cycles 690 V AC 50/60 Hz conforming to IEC 60947-3 AC-23A: 6000 cycles 440 V AC 50/60 Hz conforming to IEC 60947-3 AC-3: 6000 cycles 440 V AC 50/60 Hz conforming to IEC 60947-3
Connection pitch	70 mm
[Icw] rated short-time withstand current	42 kA 0.5 s conforming to IEC 60947-2 42 kA 1 s conforming to IEC 60947-2 24 kA 3 s conforming to IEC 60947-2
Maximum breaking time	25 ms
Maximum closing response time	50 ms
Height	301 mm
Width	276 mm
Depth	209.5 mm

Environment

Standards	IEC 60947-2 IEC 60364-8-1
Product certifications	LCIE 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	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information