



### Main

Range	Masterpact
Product name	Masterpact MTZ3
Device short name	MTZ3 40 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	Drawout
Mounting support	Base plate Rails
[In] rated current	4000 A ( 40 °C )
[Ui] rated insulation voltage	1000 V conforming to IEC 60947-2 AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 kV conforming to IEC 60947-2
[Icm] rated short-circuit making capacity	220 kA peak at 500/525 V AC 50/60 Hz 220 kA peak at 220/415 V AC 50/60 Hz 220 kA peak at 440 V AC 50/60 Hz 220 kA peak at 660/690 V AC 50/60 Hz
[Ue] rated operational voltage	690 V conforming to IEC 60947-2 AC 50/60 Hz
Circuit breaker CT rating	4000 A
Performance level	100 kA Icu conforming to IEC 60947-2 at 440 V AC 50/60 Hz 100 kA Icu conforming to IEC 60947-2 at 500/525 V AC 50/60 Hz 100 kA Icu conforming to IEC 60947-2 at 220/415 V AC 50/60 Hz 100 kA Icu conforming to IEC 60947-2 at 660/690 V AC 50/60 Hz
[Ics] rated service breaking capacity	Ics 100 kA conforming to IEC 60947-2 at 500/525 V AC 50/60 Hz Ics 100 kA conforming to IEC 60947-2 at 220/415 V AC 50/60 Hz Ics 100 kA conforming to IEC 60947-2 at 440 V AC 50/60 Hz Ics 100 kA conforming to IEC 60947-2 at 660/690 V AC 50/60 Hz

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

Mechanical durability	10000 cycles with periodic preventive maintenance conforming to IEC 60947-2
Electrical durability	1500 cycles conforming to IEC 60947-2 at 690 V AC 50/60 Hz 1500 cycles conforming to IEC 60947-3 at 690 V AC 50/60 Hz AC-23A : 1500 cycles conforming to IEC 60947-2 at 440 V AC 50/60 Hz 1500 cycles conforming to IEC 60947-3 at 440 V AC 50/60 Hz AC-23A : 6000 cycles conforming to IEC 60947-3 at 440/690 V AC 50/60 Hz AC-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
Maximum breaking time	25 ms
Closing response time	<= 80 ms
Height	300 mm drawout circuit breaker without chassis 479 mm drawout circuit breaker with chassis
Width	668 mm drawout circuit breaker without chassis 786 mm drawout circuit breaker with chassis
Depth	300 mm drawout circuit breaker without chassis 403 mm drawout circuit breaker with chassis

## 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