



Main

Range	Masterpact
Product name	Masterpact MTZ2
Device short name	MTZ2 16 L1
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	L1
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	1600 A (104 °F (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	330 kA peak at 220/415 V AC 50/60 Hz 330 kA peak at 440 V AC 50/60 Hz 286 kA peak at 500/525 V AC 50/60 Hz 220 kA peak at 660/690 V AC 50/60 Hz
System Voltage	690 V conforming to IEC 60947-2 AC 50/60 Hz
Circuit breaker CT rating	1600 A
Performance level	150 kA Icu conforming to IEC 60947-2 at 440 V AC 50/60 Hz 150 kA Icu conforming to IEC 60947-2 at 220/415 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

	130 kA Icu conforming to IEC 60947-2 at 500/525 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 150 kA conforming to IEC 60947-2 at 220/415 V AC 50/60 Hz Ics 150 kA conforming to IEC 60947-2 at 440 V AC 50/60 Hz Ics 130 kA conforming to IEC 60947-2 at 500/525 V AC 50/60 Hz Ics 100 kA conforming to IEC 60947-2 at 660/690 V AC 50/60 Hz
Mechanical durability	25000 cycles with periodic preventive maintenance conforming to IEC 60947-2
Electrical durability	3000 cycles conforming to IEC 60947-2 at 690 V AC 50/60 Hz 3000 cycles conforming to IEC 60947-2 at 440 V AC 50/60 Hz
Connection pitch	4.53 in (115 mm)
[Icw] rated short-time withstand current	30 kA (0.5 s) conforming to IEC 60947-2 30 kA (1 s) conforming to IEC 60947-2 30 kA (3 s) conforming to IEC 60947-2
Integral instant protection	72...88 kA
Maximum breaking time	10 ms
Closing response time	<= 70 ms
Height	11.81 in (300 mm) drawout circuit breaker without chassis 17.28 in (439 mm) drawout circuit breaker with chassis
Width	493 mm drawout circuit breaker without chassis 21.89 in (556 mm) drawout circuit breaker with chassis
Depth	11.81 in (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	ASEFA
Pollution degree	3 conforming to 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)

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1649 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available