

# Product datasheet

Specifications



## Circuit breaker Masterpact MTZ1 16H1 - 1600 A - 4P drawout - w/o Micrologic

LV847245

### Main

Range	Masterpact
Product name	MasterPact MTZ1
Device short name	MTZ1 16 H1
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	H1
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 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 1600 A 630 A 1250 A
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

<b>[Ics] rated service breaking capacity</b>	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
<b>Mechanical durability</b>	12500 cycles with periodic preventive maintenance conforming to IEC 60947-2
<b>Electrical durability</b>	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
<b>Connection pitch</b>	70 mm
<b>[Icw] rated short-time withstand current</b>	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
<b>Maximum breaking time</b>	25 ms
<b>Maximum closing response time</b>	50 ms
<b>Height</b>	Drawout circuit breaker without chassis: 259.5 mm Drawout circuit breaker with chassis: 322 mm
<b>Width</b>	Drawout circuit breaker without chassis: 306.5 mm Drawout circuit breaker with chassis: 358 mm
<b>Depth</b>	Drawout circuit breaker without chassis: 207.5 mm Drawout circuit breaker with chassis: 266 mm

## Environment

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

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Weight</b>	18.315 kg
<b>Package 1 Height</b>	40 cm
<b>Package 1 width</b>	40 cm
<b>Package 1 Length</b>	30 cm

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>

# Contractual warranty

Warranty

18 months