

# Product datasheet

Specifications



## Circuit breaker frame, MasterPacT MTZ2 16H1, for MicroLogic Active, 1600A, 66kA/440VAC 50/60Hz (Icu), 3P, drawout

LV948273

EAN Code: 3606486813294

### Main

Range	MasterPacT
Product name	MasterPacT MTZ2 Active
Product or component type	Circuit breaker
Device short name	MTZ2 16 H1
Device application	Power distribution protection
Poles description	3P
Control unit	Without control unit
Product compatibility	control unit MicroLogic Active 1.0 E control unit MicroLogic Active 1.0 EP control unit MicroLogic Active 2.0 A control unit MicroLogic Active 2.0 AP control unit MicroLogic Active 2.0 E control unit MicroLogic Active 2.0 EP control unit MicroLogic Active 5.0 A control unit MicroLogic Active 5.0 AP control unit MicroLogic Active 5.0 E control unit MicroLogic Active 5.0 EP control unit MicroLogic Active 6.0 A control unit MicroLogic Active 6.0 AP control unit MicroLogic Active 6.0 E control unit MicroLogic Active 6.0 EP
[In] rated current	1600 A at 40 °C
Performance type	H1 66 kA 440 V AC
[Ue] rated operational voltage	690 V AC 50/60 Hz
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Selectivity category	Category B
Control type	Push-button
Mounting mode	Drawout

### Complementary

[Icu] rated ultimate short-circuit breaking capacity	66 kA at 220/415 V AC 50/60 Hz 66 kA at 440 V AC 50/60 Hz 66 kA at 525 V AC 50/60 Hz 66 kA at 690 V AC 50/60 Hz
[Ics] rated service short-circuit breaking capacity	66 kA at 220/415 V AC 50/60 Hz 66 kA at 440 V AC 50/60 Hz 66 kA at 525 V AC 50/60 Hz 66 kA at 690 V AC 50/60 Hz
[Icw] rated short-time withstand current	66 kA 0.5 s 66 kA 1 s 36 kA 3 s

<b>[Icm] rated short-circuit making capacity</b>	145 kA 220/415 V AC at 50/60 Hz 145 kA 440 V AC at 50/60 Hz 145 kA 525 V AC at 50/60 Hz 145 kA 690 V AC at 50/60 Hz
<b>Sensor rating</b>	800 A 1000 A 1250 A 1600 A
<b>[Ui] rated insulation voltage</b>	1000 V AC 50/60 Hz
<b>[Uimp] rated impulse withstand voltage</b>	12 kV
<b>Power dissipation in W</b>	390 W
<b>Power dissipation per pole</b>	130 W
<b>Maximum breaking time</b>	25 ms
<b>Maximum closing response time</b>	70 ms
<b>Mounting support</b>	Base plate Rails
<b>Upside connection</b>	Front Rear
<b>Downside connection</b>	Front Rear
<b>Connection pitch</b>	115 mm
<b>Mechanical durability</b>	25000 cycles with maintenance
<b>Electrical durability</b>	10000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 10000 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-2
<b>Height (H)</b>	Drawout circuit breaker with chassis: 439 mm Drawout circuit breaker without chassis: 301 mm
<b>Width (W)</b>	Drawout circuit breaker with chassis: 441 mm Drawout circuit breaker without chassis: 378 mm
<b>Depth (D)</b>	Drawout circuit breaker with chassis: 403 mm Drawout circuit breaker without chassis: 331 mm
<b>Net weight</b>	90 kg
<b>Standards</b>	EN/IEC 60947-1 EN/IEC 60947-2
<b>Product certifications</b>	CE CCC EAC

## Environment

<b>IP degree of protection</b>	IP3X conforming to EN/IEC 60529
<b>IK degree of protection</b>	IK07 conforming to EN 50102
<b>Pollution degree</b>	3 conforming to IEC 60664-1
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Temperature derating table</b>	40 °C ( 1600 A ) 45 °C ( 1600 A ) 50 °C ( 1600 A ) 55 °C ( 1600 A ) 60 °C ( 1600 A ) 65 °C ( 1600 A ) 70 °C ( 1520 A )
<b>Ambient air temperature for storage</b>	-40...85 °C
<b>Operating altitude</b>	0...2000 m without derating 2000 m...5000 m with derating

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2 cm
Package 1 Width	1 cm
Package 1 Length	2 cm
Package 1 Weight	10 g

## Contractual warranty

Warranty (in months)	18
----------------------	----



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Environmental footprint

Total lifecycle Carbon footprint 2787

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards

[EU RoHS Directive](#) Compliant with Exemptions

SCIP Number 584555c5-79df-4e54-a0be-1388f30e1540

REACH Regulation [REACH Declaration](#)

Halogen-free status Product contains halogen above thresholds

PVC free Yes

Silicone-free No

## Use Again

### Repack and remanufacture

End of life manual availability [End of Life Information](#)

Take-back No

WEEE Label  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Technical Illustration

Dimensions

---

