

# Product data sheet

Specifications



Circuit breaker, MasterPacT MTZ1, UL 489, max 800A rated, 3 pole, fixed mount, H breaking cap, 600VAC, w/o Micrologic trip unit

LV839108

## Main

|                           |                 |
|---------------------------|-----------------|
| Product name              | MasterPact MTZ1 |
| Device short name         | MTZ1 08 H       |
| Product or component type | Circuit breaker |
| Device application        | Protection      |
| Poles description         | 3P              |
| Network type              | AC              |
| Network frequency         | 50/60 Hz        |
| Breaking capacity code    | H               |

## Complementary

|                                          |                                                                                                       |
|------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Control type                             | Push-button                                                                                           |
| Mounting mode                            | Fixed                                                                                                 |
| Mounting support                         | Base plate<br>Rails                                                                                   |
| [In] rated current                       | 800 A 104 °F (40 °C)                                                                                  |
| Circuit breaker CT rating                | 800 A                                                                                                 |
| performance level                        | 65 kA Icu 240 V AC 60 Hz UL 489<br>50 kA Icu 480 V AC 60 Hz UL 489<br>50 kA Icu 600 V AC 60 Hz UL 489 |
| Mechanical durability                    | 10000 cycles ANSI C37.50                                                                              |
| Electrical durability                    | 1000 cycles ANSI C37.50                                                                               |
| Connection pitch                         | 2.8 in (70 mm)                                                                                        |
| [Icw] rated short-time withstand current | 35 kA 0.5 s UL 489                                                                                    |
| Integral instant protection              | 81...99 kA                                                                                            |
| Rated breaking and making capacity       | 55 kA                                                                                                 |
| Maximum breaking time                    | 25...30 ms                                                                                            |
| Maximum closing response time            | 50 ms                                                                                                 |
| Height                                   | 11.8 in (300.5 mm)                                                                                    |
| Width                                    | 10.9 in (276.2 mm)                                                                                    |
| Depth                                    | 8.2 in (209 mm)                                                                                       |

## Packing Units

|                        |     |
|------------------------|-----|
| Unit Type of Package 1 | PCE |
|------------------------|-----|

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

|                              |   |
|------------------------------|---|
| Number of Units in Package 1 | 1 |
|------------------------------|---|

## 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 >](#)

### Use Better

| Materials and Substances               |     |
|----------------------------------------|-----|
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic   | No  |

### Use Longer

| Lifetime extension |    |
|--------------------|----|
| Repair             | No |

### Use Again

| Repack and remanufacture |    |
|--------------------------|----|
| Take-back                | No |