# Product Data Sheet Characteristics



*Molded case circuit breaker*

## UTE100N

### General

| | |
|---|---|
| Product code | 02050074UL |
| Product description | UTE100N FTU 80A 3P LL UL |
| Types of trip units | FTU : Fixed thermal, Fixed magnetic |
| [In] rated current | 80 A at 40 °C |
| Poles description | 3P |
| Protected poles description | 3t |
| Neutral position | - |
| Network type | AC (50/60 Hz), DC |
| Upside connection | Front (Lug) |
| Downside connection | Front (Lug) |

### Characteristics

| | |
|---|---|
| [Ue] rated operational voltage (AC 50/60 Hz) | 600 V AC |
| [Ue] rated operational voltage (DC) | 500 V DC |
| [Uimp] rated impulse withstand voltage | 8 kV |
| [Ui] rated insulation voltage | 750 V |
| Mechanical durability | 8500 cycles |
| Electrical durability (AC) | 1500 cycles 415 V In |
| Electrical durability (DC) | - |
| Utilisation category | Category A |

| | |
|---|---|
| Suitability for isolation | Yes |
| Reference standard | UL489, IEC 60947-2 |
| [Icu] rated Ultimate short-circuit breaking capacity | 65 kA at 120/240 V AC 50/60 Hz, UL489 |
| | 65 kA at 240 V AC 50/60 Hz, UL489 |
| | 35 kA at 480 V AC 50/60 Hz, UL489 |
| | 18 kA at 600Y/347 V AC 50/60 Hz, UL489 |
| | 25 kA at 250 V DC (2poles in series), UL489 |
| | 35 kA at 500 V DC (3poles in series), UL489 |
| | 65 kA at 220/240 V AC 50/60 Hz, IEC 60947-2 |
| | 35 kA at 380/415 V AC 50/60 Hz, IEC 60947-2 |
| [Ics] rated service breaking capacity | 65 kA at 220/240 V AC 50/60 Hz, IEC 60947-2 |
| | 35 kA at 380/415 V AC 50/60 Hz, IEC 60947-2 |
| | - |
| | - |
| | - |
| | - |
| | - |
| | - |
| [Icm] rated short-circuit marking capacity | 143 kA at 220/240 V AC 50/60 Hz, IEC 60947-2 |
| | 73.5 kA at 380/415 V AC 50/60 Hz, IEC 60947-2 |
| | - |
| | - |
| | - |
| | - |
| [Icw] rated short-time withstand current | - |
| | - |
| | - |
| | - |

| | |
|---|---|
| Trip unit characteristics | Thermal-magnetic |
| | L : for overload protection (long time) |
| | - |
| | I : for instantaneous short-circuit protection |
| | - |
| | - |
| | - |
| | - |
| | - |
| | - |
| [Ir] Long-time pick-up adjustment range | Fixed |
| | - |
| [Iu] Long-time pick-up adjustment range | - |
| | - |
| [tr] Long-time delay adjustment range | - |
| | - |
| [Isd] Short-time pick-up adjustment range | - |
| | - |
| [tsd] Short-time delay adjustment range | - |
| | - |
| | - |
| | - |
| | - |
| | - |
| | - |
| [Ii] Instantaneous pick-up adjustment range | Fixed |
| | 800 A |
| [Ig] Ground-fault protection pick-up | - |
| | - |

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| | |
|---|---|
| adjustment range | |
| [tg] Ground-fault protection time delay adjustment range | - |
| | - |
| | - |
| | - |
| | - |
| | - |
| | - |
| Earth leakage pick-up adjustment range | - |
| | - |
| Earth leakage alam time delay adjustment range | - |
| | - |
| Earth leakage trip time delay adjustment range | - |
| | - |
| [Ip] Pre-trip alarm pick-up adjustment range | - |
| | - |
| [tp] Pre-trip alarm time delay adjustment range | - |
| | - |
| Alarm LED | - |
| | - |

**Environment**

| | |
|---|---|
| Degree of protection | IP20, IEC 60529 |
| Pollution degree | 3, IEC 60664-1 |
| Ambient air temperature for operation | -20…70 °C |
| Ambient air temperature for storage | -40…70 °C |
| Mounting mode | Fixed |
| Mounting support | Backplate |
| | CE (Europe) |

| | |
|---|---|
| Approvals[1] (General) | UL (U.S.A) |
| | cUL (U.S.A) |
| | CCC (China) |
| | - |
| | KC (Korea) |
| Approvals (Marine) | - |
| | - |
| | ABS (U.S.A) |
| | - |
| | - |
| | - |
| | - |

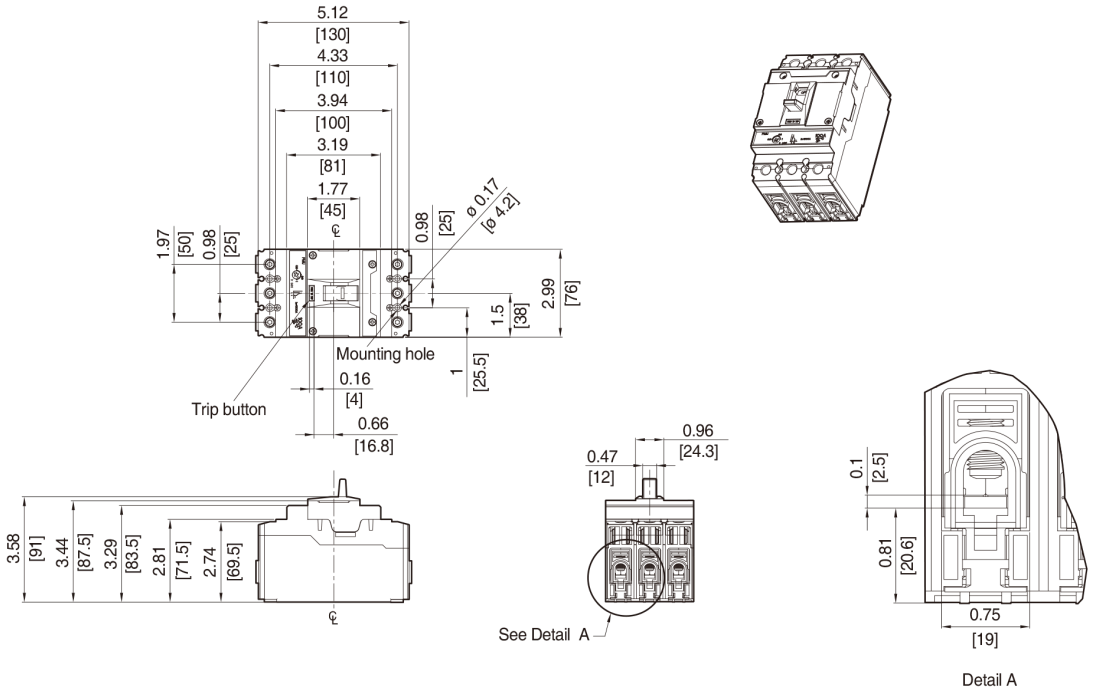
**Dimensions**

| | | |
|---|---|---|
| Product | Width | 2.99inch / 76mm |
| | Height | 5.12inch / 130mm |
| | Depth | 3.44inch / 87.5mm |
| | Weight | 2.3lbs / 1.06kg |
| Packing | Width | 11.22inch / 285mm |
| | Height | 18.98inch / 482mm |
| | Depth | 4.78inch / 121.5mm |
| | Weight | 26.5lbs / 12kg |
| | Quantity (in a box) | 10 pcs. |

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## UTE100 3P Circuit Breaker [Lug type]

Dimension: inch[mm]




## UTE100 3P Circuit Breaker [Bolt-on Type]

