Product Data Sheet Characteristics



Molded case circuit breaker

UTE100N

General

Product code	02050075UL
Product description	UTE100N FTU 90A 3P LL UL
Types of trip units	FTU : Fixed thermal, Fixed magnetic
[In] rated current	90 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
	1000 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)
	-
	-
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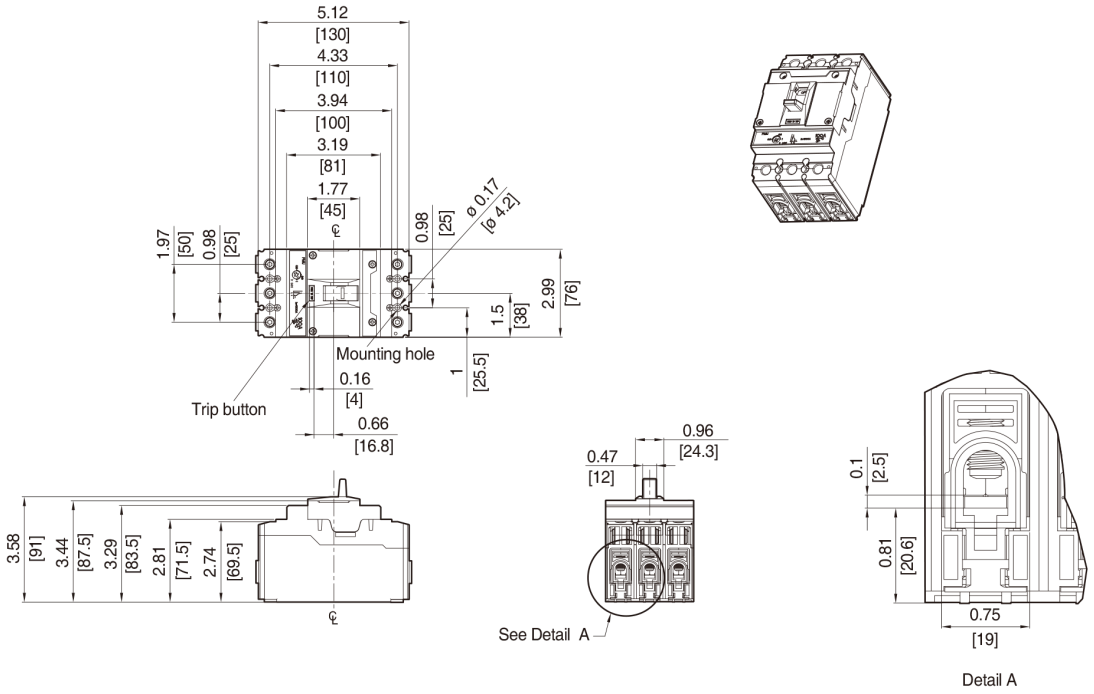
Dimensions

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]

