



## UTS250 FRAME

UTS250 breaker is HACR rated

### UL489 RATINGS

BREAKER TYPE	NUMBER OF POLES	INTERRUPTING CAPACITY (kA rms) AC 50/60Hz			INTERRUPTING CAPACITY (kA) DC	
		240V ac	480V ac	600V ac	250V DC-2P	600V DC-3P
UTS250N	2, 3	65	35	18	35	35
UTS250H	2, 3	100	65	35	50	50
UTS250L	2, 3	150	100	50	65	65

### IEC60947-2 RATINGS

BREAKER TYPE	NUMBER OF POLES	INTERRUPTING CAPACITY(kA rms) AC 50/60Hz, Icu		
		220/240V	380/415V	480/500V
UTS250N	2, 3	65	35	18
UTS250H	2, 3	100	65	35
UTS250L	2, 3	150	100	50
Service breaking capacity, Ics (%Icu)		100%		
Insulation Voltage, Ui		750 Vac		
Impulse Withstand Voltage, Uimp		8 kVac		
Utilization Category		A		

### DIMENSIONS

POLES	DIMENSIONS inch (mm)		
	W	H	D
2-Pole	4.13 (105)	7.48 (190)	3.44 (87.5)
3-Pole			

### TRIP UNIT TYPES

	THERMAL	MAGNETIC	REMARKS
FTU	Fixed	Fixed	
FMU	Adjustable, 0.8~1 x In	Fixed	
ATU	Adjustable, 0.8~1 x In	Adjustable, 5~10 x In	
ETS	Adjustable, 60~250A	Adjustable, 1.5~11 x In / Fixed, 11 x In(LIG only)	Electronic
MCS	N.A.	Fixed, 10 x In	Magnetic only
MCP	N.A.	Adjustable, 6~12 x In	Magnetic only



Your Source for Automation Components

# Molded Case Circuit Breakers UTS250N

## UTS250 FRAME

### CIRCUIT BREAKER

WITH FTU TRIP UNIT (FIXED THERMAL, FIXED MAGNETIC)				
Ampere Rating, In	65kA at 240V, 35kA at 480V, 18kA at 600V		100kA at 240V, 65kA at 480V, 35kA at 600V	
	2-Pole	3-Pole	2-Pole	3-Pole
150A	UTS250-N-FTU-150-2	UTS250-N-FTU-150-3	UTS250-H-FTU-150-2	UTS250-H-FTU-150-3
175A	UTS250-N-FTU-175-2	UTS250-N-FTU-175-3	UTS250-H-FTU-175-2	UTS250-H-FTU-175-3
200A	UTS250-N-FTU-200-2	UTS250-N-FTU-200-3	UTS250-H-FTU-200-2	UTS250-H-FTU-200-3
225A	UTS250-N-FTU-225-2	UTS250-N-FTU-225-3	UTS250-H-FTU-225-2	UTS250-H-FTU-225-3
250A	UTS250-N-FTU-250-2	UTS250-N-FTU-250-3	UTS250-H-FTU-250-2	UTS250-H-FTU-250-3

Ampere Rating, In	150kA at 240V, 100kA at 480V, 50kA at 600V	
	2-Pole	3-Pole
150A	UTS250-L-FTU-150-2	UTS250-L-FTU-150-3
175A	UTS250-L-FTU-175-2	UTS250-L-FTU-175-3
200A	UTS250-L-FTU-200-2	UTS250-L-FTU-200-3
225A	UTS250-L-FTU-225-2	UTS250-L-FTU-225-3
250A	UTS250-L-FTU-250-2	UTS250-L-FTU-250-3

WITH FMU TRIP UNIT (ADJUSTABLE THERMAL, FIXED MAGNETIC)				
Ampere Rating, In	65kA at 240V, 35kA at 480V, 18kA at 600V		100kA at 240V, 65kA at 480V, 35kA at 600V	
	2-Pole	3-Pole	2-Pole	3-Pole
160A	UTS250-N-FMU-160-2	UTS250-N-FMU-160-3	UTS250-H-FMU-160-2	UTS250-H-FMU-160-3
200A	UTS250-N-FMU-200-2	UTS250-N-FMU-200-3	UTS250-H-FMU-200-2	UTS250-H-FMU-200-3
250A	UTS250-N-FMU-250-2	UTS250-N-FMU-250-3	UTS250-H-FMU-250-2	UTS250-H-FMU-250-3

Ampere Rating, In	150kA at 240V, 100kA at 480V, 50kA at 600V		Thermal range
	2-Pole	3-Pole	
160A	UTS250-L-FMU-160-2	UTS250-L-FMU-160-3	128-160A
200A	UTS250-L-FMU-200-2	UTS250-L-FMU-200-3	160-200A
250A	UTS250-L-FMU-250-2	UTS250-L-FMU-250-3	200-250A

WITH ATU TRIP UNIT (ADJUSTABLE THERMAL, ADJUSTABLE MAGNETIC)				
Ampere Rating, In	65kA at 240V, 35kA at 480V, 18kA at 600V		100kA at 240V, 65kA at 480V, 35kA at 600V	
	2-Pole	3-Pole	2-Pole	3-Pole
160A	UTS250-N-ATU-160-2	UTS250-N-ATU-160-3	UTS250-H-ATU-160-2	UTS250-H-ATU-160-3
200A	UTS250-N-ATU-200-2	UTS250-N-ATU-200-3	UTS250-H-ATU-200-2	UTS250-H-ATU-200-3
250A	UTS250-N-ATU-250-2	UTS250-N-ATU-250-3	UTS250-H-ATU-250-2	UTS250-H-ATU-250-3

Ampere Rating, In	150kA at 240V, 100kA at 480V, 50kA at 600V		Adjustable range	
	2-Pole	3-Pole	Thermal	Magnetic
160A	UTS250-L-ATU-160-2	UTS250-L-ATU-160-3	128-160A	800-1600A
200A	UTS250-L-ATU-200-2	UTS250-L-ATU-200-3	160-200A	1000-2000A
250A	UTS250-L-ATU-250-2	UTS250-L-ATU-250-3	200-250A	1250-2500A

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Automation Systems Interconnect ■ P.O. Box 1340, Mechanicsburg, PA 17055 ■ Phone: (717) 249-5581 or (877) 650-5160

## CIRCUIT BREAKER

WITH ETS23 LI TRIP UNIT (ELECTRONIC)					
Ampere Rating, In	65kA at 240V, 35kA at 480V, 18kA at 600V		100kA at 240V, 65kA at 480V, 35kA at 600V		
	3-Pole		3-Pole		
150A	UTS250-N-ETS23-150-3		UTS250-H-ETS23-150-3		
250A	UTS250-N-ETS23-250-3		UTS250-H-ETS23-250-3		

Ampere Rating, In	150kA at 240V, 100kA at 480V, 50kA at 600V		Setting value		
	3-Pole		Ir (A)	Ii (A)	Tr (s)
150A	UTS250-L-ETS23-150-3		60~150A	(1.5, 2, 3, 4, 5, 6, 8, 10, 11) x In	0.5, 1, 2, 4, 8, 16, Accuracy ±20%
250A	UTS250-L-ETS23-250-3		80~250A		

WITH ETS23 LSI TRIP UNIT FOR UTS150 (ELECTRONIC)					
Ampere Rating, In	65kA at 240V, 35kA at 480V, 18kA at 600V		100kA at 240V, 65kA at 480V, 35kA at 600V		
	3-Pole		3-Pole		
150A	UTS250-N-ETS23-150-3		UTS250-H-ETS23-150-3		
250A	UTS250-N-ETS23-250-3		UTS250-H-ETS23-250-3		

Ampere Rating, In	150kA at 240V, 100kA at 480V, 50kA at 600V		Setting value		
	3-Pole		Ir (A)	Ii (A)	I <sub>sd</sub> (A)
150A	UTS250-L-ETS23-150-3		60~150A	(1.5, 2, 3, 4, 5, 6, 8, 10, 11) x In	(1.5, 2, 3, 4, 5, 6, 7, 8, 10) x Ir Accuracy±15%
250A	UTS250-L-ETS23-250-3		80~250A		

WITH ETS23 LIG TRIP UNIT (ELECTRONIC)					
Ampere Rating, In	65kA at 240V, 35kA at 480V, 18kA at 600V		100kA at 240V, 65kA at 480V, 35kA at 600V		
	3-Pole		3-Pole		
150A	UTS250-N-ETS23-150-3		UTS250-H-ETS23-150-3		
250A	UTS250-N-ETS23-250-3		UTS250-H-ETS23-250-3		

Ampere Rating, In	150kA at 240V, 100kA at 480V, 50kA at 600V		Setting value			
	3-Pole		Ir (A)	Ii (A)	I <sub>g</sub> (A)	t <sub>g</sub> (ms)
150A	UTS250-L-ETS23-150-3		60~150A	11 x In (Fixed)	0.2~1 x In	100, 200, 300, 400
250A	UTS250-L-ETS23-250-3		80~250A			

\* Time delay at 6 x Ir: fixe 16s, accuracy ±20%

\* Time delay: non-tripping time 70ms / maximum break time 140ms

\* Tripping time: ≤60ms

## MOLDED CASE SWITCH

WITH MCS TRIP UNIT (FIXED MAGNETIC ONLY)				
Ampere Rating, In	65kA at 240V, 35kA at 480V, 18kA at 600V		100kA at 240V, 65kA at 480V, 35kA at 600V	
	2-Pole	3-Pole	2-Pole	3-Pole
175A	UTS250-N-MCS-175-2	UTS250-N-MCS-175-3	UTS250-H-MCS-175-2	UTS250-H-MCS-175-3
250A	UTS250-N-MCS-250-2	UTS250-N-MCS-250-3	UTS250-H-MCS-250-2	UTS250-H-MCS-250-3

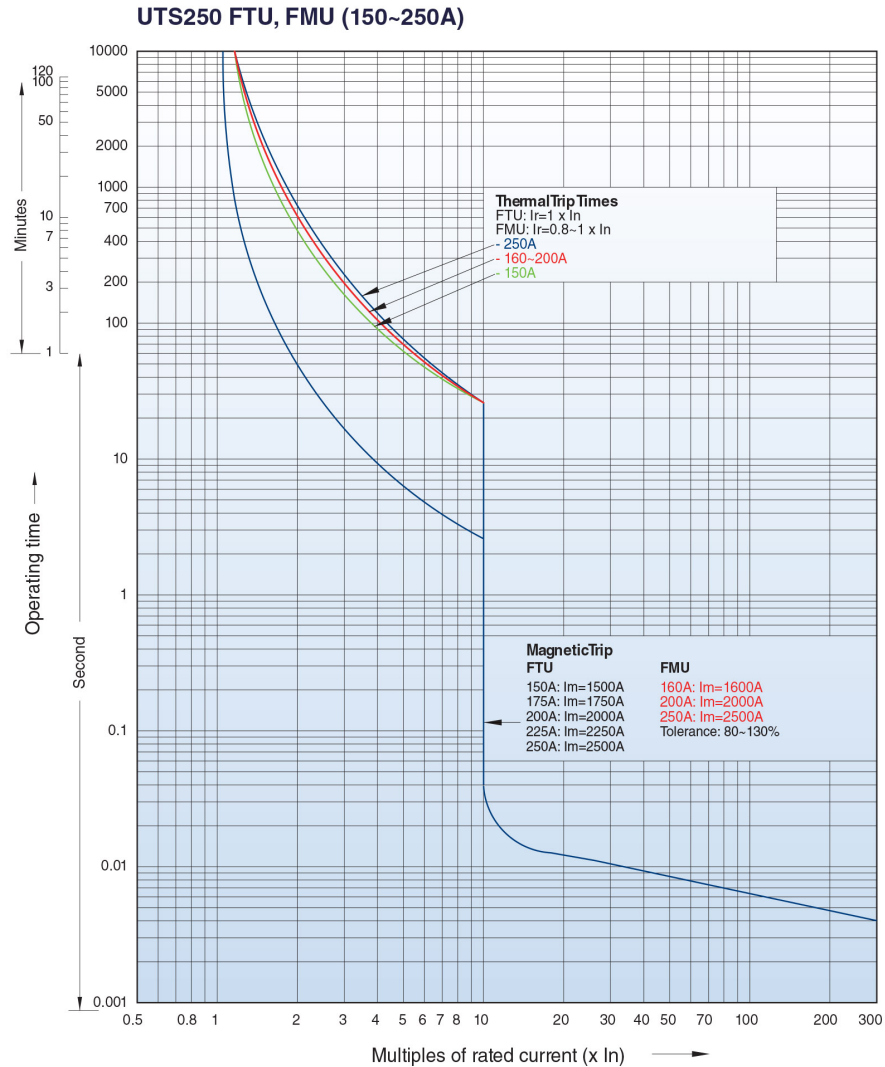
Ampere Rating, In	150kA at 240V, 100kA at 480V, 50kA at 600V	
	2-Pole	3-Pole
175A	UTS250-L-MCS-175-2	UTS250-L-MCS-175-3
250A	UTS250-L-MCS-250-2	UTS250-L-MCS-250-3

## MOTOR CIRCUIT PROTECTOR

WITH MCP TRIP UNIT (ADJUSTABLE MAGNETIC ONLY)				
Ampere Rating, In	3-Pole	3-Pole	3-Pole	Magnetic range
220A	UTS250-N-MCP-220-3	UTS250-H-MCP-220-3	UTS250-L-MCP-220-3	1320-2640A

## UTS250 CHARACTERISTIC

This curve is to be used for application and coordination purposes only.  
All time/current characteristic curve data is based on 40°C ambient cold start.



RATING UTS250	FTU	
	2P/3P	MAG TRIP (80%~130%)
150	○	1500A
175	○	1750A
200	○	2000A
225	○	2250A
250	○	2500A

RATING UTS250	FMU		
	2P/3P	RATING RANGE (0.8~1 x $I_n$ )	MAG TRIP (80%~130%)
160	○	128~160A	1600A
200	○	160~200A	2000A
250	○	200~250A	2500A