



UTS150 FRAME

- UTS150 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
UTS150N	2, 3	65	35	18	35	35
UTS150H	2, 3	100	65	35	50	50
UTS150L	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
UTS150N	2, 3	65	35	18
UTS150H	2, 3	100	65	35
UTS150L	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)	6.50 (165)	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, 15~150A	Adjustable, 1.5~11 x In / Fixed, 11 x In(LIG only)	Electronic
MCS	N.A.	Fixed, 10xIn	Magnetic only
MCP	N.A.	Adjustable, 6~12 x In	Magnetic only

* MCP 60A: 6.7 ~ 13.3 x In

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		150kA at 240V, 100kA at 480V, 50kA at 600V	
	2-Pole	3-Pole	2-Pole	3-Pole	2-Pole	3-Pole
40A	UTS150-N-FTU-40-2	UTS150-N-FTU-40-3	UTS150-H-FTU-40-2	UTS150-H-FTU-40-3	UTS150-L-FTU-40-2	UTS150-L-FTU-40-3
50A	UTS150-N-FTU-50-2	UTS150-N-FTU-50-3	UTS150-H-FTU-50-2	UTS150-H-FTU-50-3	UTS150-L-FTU-50-2	UTS150-L-FTU-50-3
60A	UTS150-N-FTU-60-2	UTS150-N-FTU-60-3	UTS150-H-FTU-60-2	UTS150-H-FTU-60-3	UTS150-L-FTU-60-2	UTS150-L-FTU-60-3
70A	UTS150-N-FTU-70-2	UTS150-N-FTU-70-3	UTS150-H-FTU-70-2	UTS150-H-FTU-70-3	UTS150-L-FTU-70-2	UTS150-L-FTU-70-3
80A	UTS150-N-FTU-80-2	UTS150-N-FTU-80-3	UTS150-H-FTU-80-2	UTS150-H-FTU-80-3	UTS150-L-FTU-80-2	UTS150-L-FTU-80-3
90A	UTS150-N-FTU-90-2	UTS150-N-FTU-90-3	UTS150-H-FTU-90-2	UTS150-H-FTU-90-3	UTS150-L-FTU-90-2	UTS150-L-FTU-90-3
100A	UTS150-N-FTU-100-2	UTS150-N-FTU-100-3	UTS150-H-FTU-100-2	UTS150-H-FTU-100-3	UTS150-L-FTU-100-2	UTS150-L-FTU-100-3
125A	UTS150-N-FTU-125-2	UTS150-N-FTU-125-3	UTS150-H-FTU-125-2	UTS150-H-FTU-125-3	UTS150-L-FTU-125-2	UTS150-L-FTU-125-3
150A	UTS150-N-FTU-150-2	UTS150-N-FTU-150-3	UTS150-H-FTU-150-2	UTS150-H-FTU-150-3	UTS150-L-FTU-150-2	UTS150-L-FTU-150-3

CIRCUIT BREAKER

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	
40A	UTS150-N-FMU-40-2	UTS150-N-FMU-40-3	UTS150-H-FMU-40-2	UTS150-H-FMU-40-3	
60A	UTS150-N-FMU-60-2	UTS150-N-FMU-60-3	UTS150-H-FMU-60-2	UTS150-H-FMU-60-3	
80A	UTS150-N-FMU-80-2	UTS150-N-FMU-80-3	UTS150-H-FMU-80-2	UTS150-H-FMU-80-3	
100A	UTS150-N-FMU-100-2	UTS150-N-FMU-100-3	UTS150-H-FMU-100-2	UTS150-H-FMU-100-3	
125A	UTS150-N-FMU-125-2	UTS150-N-FMU-125-3	UTS150-H-FMU-125-2	UTS150-H-FMU-125-3	
150A	UTS150-N-FMU-150-2	UTS150-N-FMU-150-3	UTS150-H-FMU-150-2	UTS150-H-FMU-150-3	
Ampere Rating, In	150kA at 240V, 100kA at 480V, 50kA at 600V			Thermal range	
	2-Pole	3-Pole			
40A	UTS150-L-FMU-40-2		UTS150-L-FMU-40-3	32-40A	
60A	UTS150-L-FMU-60-2		UTS150-L-FMU-60-3	48-60A	
80A	UTS150-L-FMU-80-2		UTS150-L-FMU-80-3	64-80A	
100A	UTS150-L-FMU-100-2		UTS150-L-FMU-100-3	80-100A	
125A	UTS150-L-FMU-125-2		UTS150-L-FMU-125-3	100~125A	
150A	UTS150-L-FMU-150-2		UTS150-L-FMU-150-3	120-150A	
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	
100A	UTS150-N-ATU-100-2	UTS150-N-ATU-100-3	UTS150-H-ATU-100-2	UTS150-H-ATU-100-3	
125A	UTS150-N-ATU-125-2	UTS150-N-ATU-125-3	UTS150-H-ATU-125-2	UTS150-H-ATU-125-3	
150A	UTS150-N-ATU-150-2	UTS150-N-ATU-150-3	UTS150-H-ATU-150-2	UTS150-H-ATU-150-3	
Ampere Rating, In	150kA at 240V, 100kA at 480V, 50kA at 600V		Adjustable range		
	2-Pole	3-Pole	Thermal	Magnetic	
100A	UTS150-L-ATU-100-2	UTS150-L-ATU-100-3	80-100A	500-1000A	
125A	UTS150-L-ATU-125-2	UTS150-L-ATU-125-3	100~125A	625~1250A	
150A	UTS150-L-ATU-150-2	UTS150-L-ATU-150-3	120-150A	750-1500A	
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		
60A	UTS150-N-ETS23-60-3		UTS150-H-ETS23-60-3		
100A	UTS150-N-ETS23-100-3		UTS150-H-ETS23-100-3		
150A	UTS150-N-ETS23-150-3		UTS150-H-ETS23-150-3		
Ampere Rating, In	150kA at 240V, 100kA at 480V, 50kA at 600V		Setting value		
	3-Pole		Ir (A)	li (A)	Tr (s)
60A	UTS150-L-ETS23-60-3		15~60A		0.5, 1, 2, 4, 8, 16, Accuracy ±20%
100A	UTS150-L-ETS23-100-3		40~100A	(1.5, 2, 3, 4, 5, 6, 8, 10, 11) x In	
150A	UTS150-L-ETS23-150-3		60~150A		

UTS150 FRAME

CIRCUIT BREAKER

WWITH ETS23 LSI 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			
60A	UTS150-N-ETS23-60-3		UTS150-H-ETS23-60-3			
100A	UTS150-N-ETS23-100-3		UTS150-H-ETS23-100-3			
150A	UTS150-N-ETS23-150-3		UTS150-H-ETS23-150-3			
Ampere Rating, In	150kA at 240V, 100kA at 480V, 50kA at 600V		Setting value			
	3-Pole		Ir (A)	I _{sd} (A)	I _i (A)	
60A	UTS150-L-ETS23-60-3		15~60A	(1.5, 2, 3, 4, 5, 6, 7, 8, 10) x Ir	(1.5, 2, 3, 4, 5, 6, 8, 10, 11) x In	
100A	UTS150-L-ETS23-100-3		40~100A	Accuracy ±15%		
150A	UTS150-L-ETS23-150-3		60~150A			
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			
60A	UTS150-N-ETS23-60-3		UTS150-H-ETS23-60-3			
100A	UTS150-N-ETS23-100-3		UTS150-H-ETS23-100-3			
150A	UTS150-N-ETS23-150-3		UTS150-H-ETS23-150-3			
Ampere Rating, In	150kA at 240V, 100kA at 480V, 50kA at 600V		Setting value			
	3-Pole		Ir (A)	I _i (A)	I _g (A)	t _g (ms)
60A	UTS150-L-ETS23-60-3		15~60A			
100A	UTS150-L-ETS23-100-3		40~100A	11 x In (Fixed)	0.2~1 x In	100, 200, 300, 400
150A	UTS150-L-ETS23-150-3		60~150A			

* 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
150A	UTS150-N-MCS-150-2	UTS150-N-MCS-150-3	UTS150-H-MCS-150-2	UTS150-H-MCS-150-3
Ampere Rating, In	150kA at 240V, 100kA at 480V, 50kA at 600V			
	2-Pole		3-Pole	
150A	UTS150-L-MCS-150-2		UTS150-L-MCS-150-3	

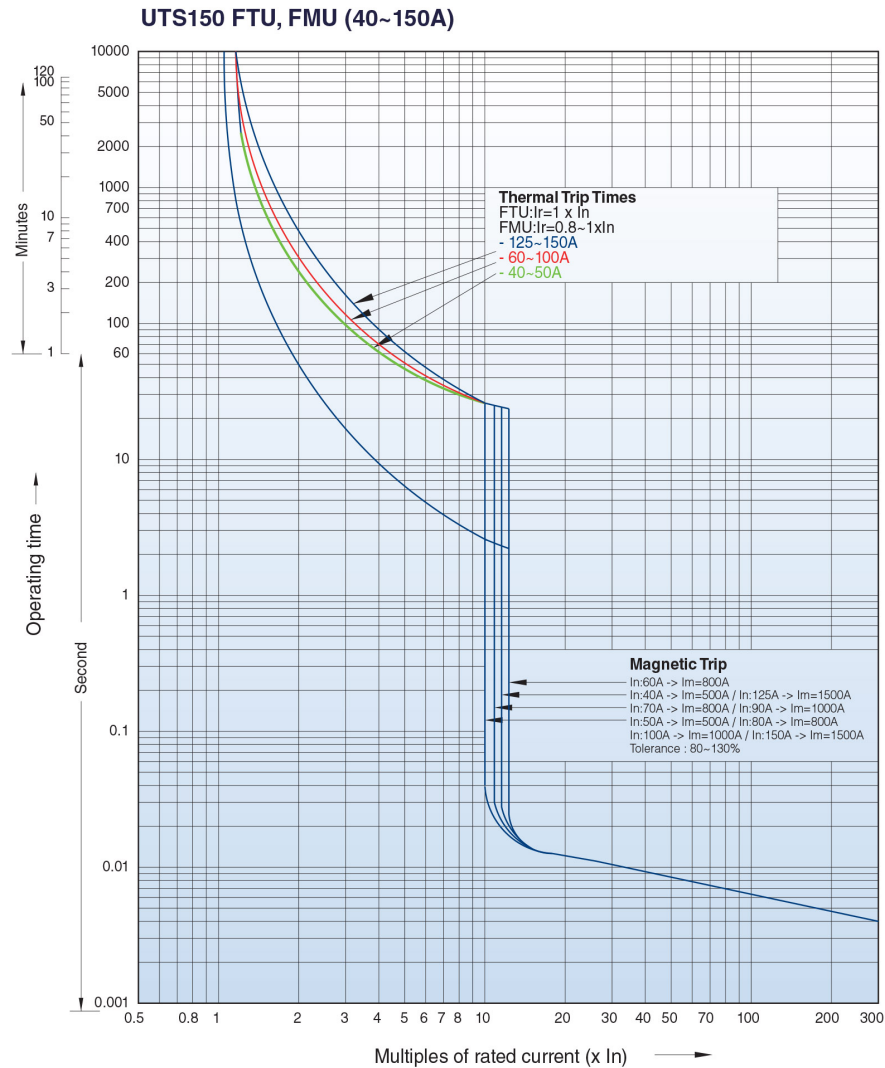
MOTOR CIRCUIT PROTECTOR

WITH MCP TRIP UNIT (ADJUSTABLE MAGNETIC ONLY)				
Ampere Rating, In	3-Pole	3-Pole	3-Pole	Magnetic range
1.6A	UTS150-N-MCP-1.6-3	UTS150-H-MCP-1.6-3	UTS150-L-MCP-1.6-3	10-20A
3.2A	UTS150-N-MCP-3.2-3	UTS150-H-MCP-3.2-3	UTS150-L-MCP-3.2-3	20-40A
6.3A	UTS150-N-MCP-6.3-3	UTS150-H-MCP-6.3-3	UTS150-L-MCP-6.3-3	40-80A
12A	UTS150-N-MCP-12-3	UTS150-H-MCP-12-3	UTS150-L-MCP-12-3	70-140A
20A	UTS150-N-MCP-20-3	UTS150-H-MCP-20-3	UTS150-L-MCP-20-3	120-240A
32A	UTS150-N-MCP-32-3	UTS150-H-MCP-32-3	UTS150-L-MCP-32-3	190-380A
50A	UTS150-N-MCP-50-3	UTS150-H-MCP-50-3	UTS150-L-MCP-50-3	300-600A
60A	UTS150-N-MCP-60-3	UTS150-H-MCP-60-3	UTS150-L-MCP-60-3	400-800A
100A	UTS150-N-MCP-100-3	UTS150-H-MCP-100-3	UTS150-L-MCP-100-3	600-1200A
150A	UTS150-N-MCP-150-3	UTS150-H-MCP-150-3	UTS150-L-MCP-150-3	900-1800A

UTS150 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 UTS150	FTU	
	2P/3P	MAG TRIP (80%~130%)
40	☐	500A
50	☐	
60	☐	
70	☐	
80	☐	800A
90	☐	
100	☐	
125	☐	1000A
150	☐	

RATING UTS150	FMU		
	2P/3P	RATING RANGE (0.8~1 x In)	MAG TRIP (80%~130%)
40	☐	32~40A	500A
60	☐	48~60A	800A
80	☐	64~80A	800A
100	☐	80~100A	1000A
150	☐	120~150A	1500A