

Top 100
Global
Innovator
for 10 years

Susol Super Solution

UL MCCB Up to 1000 Vac

For renewable application and high altitude



LS ELECTRIC

Characteristics and Rating

Characteristics

For renewable application and high altitude

- High breaking capacity (Up to 1000Vac)
- Features compact size
- Various trip unit
- Standards: Acquisition of dual standards IEC/UL



Rating

FRAME		UTV250		
Rated voltage		690/800/1000 Vac		
Rated current		60, 80, 100, 150, 200, 250A		
Number of poles		3/4		
Breaker type		E		N
UL489		UTV250		
Interrupting capacity (kA) UL, CSA	AC 800V	25		42
	AC 1000V	14		20
IEC 60947-2		UTV250		
Ultimate breaking capacity (kA), Icu	AC 690V	65		85
	AC 800V	25		40
	AC 1000V	15		20
Service breaking capacity (kA), Ics	AC 690V	65		85
	AC 800V	18.5		30
	AC 1000V	8		10
Insulation voltage, Ui		1000 Vac		
Impulse withstand voltage, Uimp		8 kV		
Utilization category		A		
IEC 60947-3		UTV250		
Insulation voltage, Ui		1000 Vac		
Impulse withstand voltage, Uimp		8 kV		
Rated short-time withstand current, Icw		3 kA		
Utilization category		AC-23A		
Trip unit	FTU*	60, 80, 100, 150, 200, 250A		
	FMU*	60, 80, 100, 150, 200, 250A		
	ATU*	100, 150, 200, 250A		
	MCS**	60, 80, 100, 150, 200, 250A		
	DSU***	250A		
Unit mounted		○		
Mechanical lugs		○		
Busbar connectors		○		
Control wire terminal kit		○		
Motor operator		○		
Terminal shields		○		
Interphase barriers		○		
Shunt trip		○		
Undervoltage trip		○		
Auxiliary switch		○		
Alarm switch		○		
Directly-Mounted rotary operating handle		○		
IEC-Door-Mounted operating mechanisms		○		
Padlock attachment		○		
Weight(approximate), lbs.(kg)	3 Pole	4.85(2.20)		
	4 Pole	6.35(2.88)		
Dimensions, Inches(mm)		W	H	D
	3 Pole	4.13(105)	8.07(205)	3.62(92)
	4 Pole	5.51(140)	8.07(205)	3.62(92)

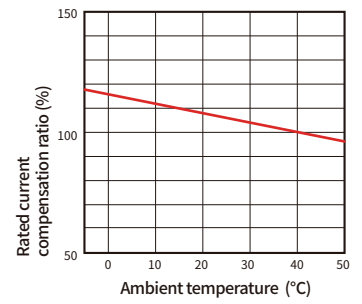
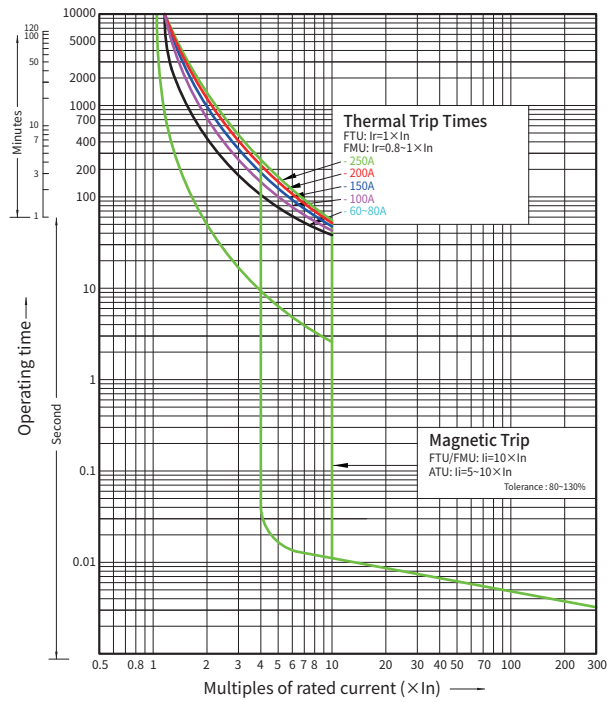
* FTU, FMU, ATU: UL489, IEC 60947-2 ** UL 489 Only *** IEC 60947-3 Only

Characteristic curve

UL MCCB Up to 1000 Vac

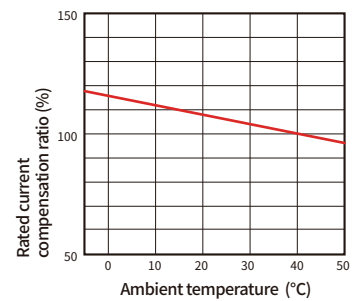
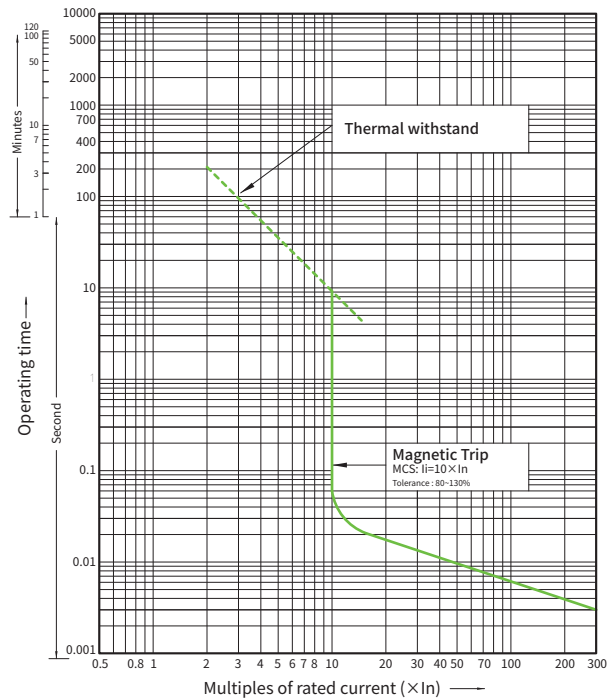
UTV250 MCCB

FTU
FMU
ATU
60, 80, 100,
150, 200, 250A



UTV250 MCS

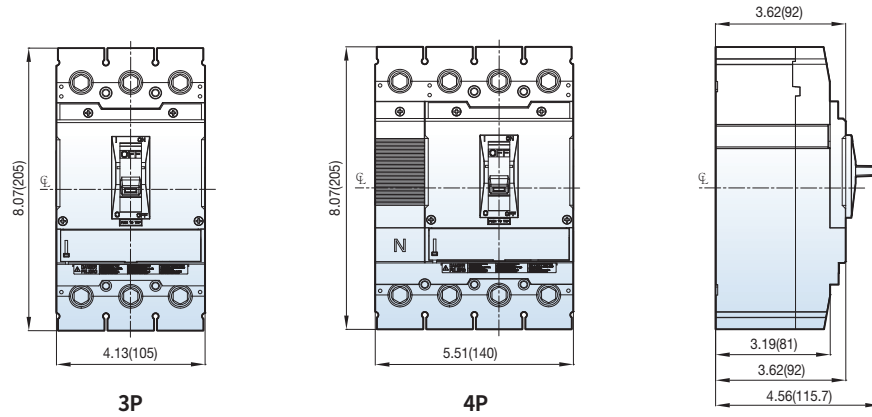
60 ~ 250A



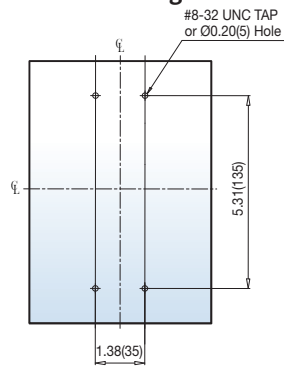
Dimensions

UTV250

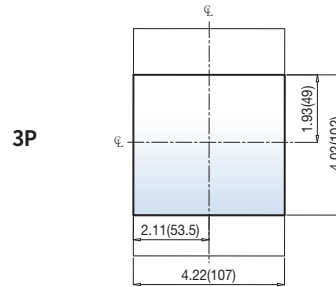
[Unit:inch(mm)]



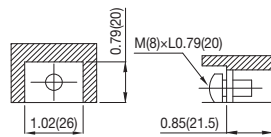
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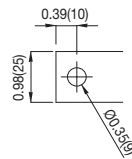
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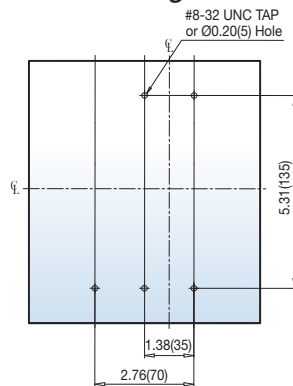
Terminal section



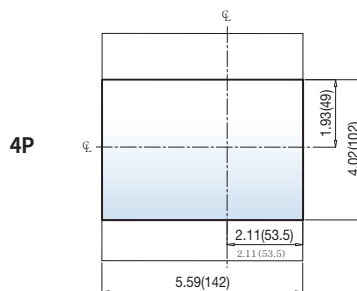
Conductor



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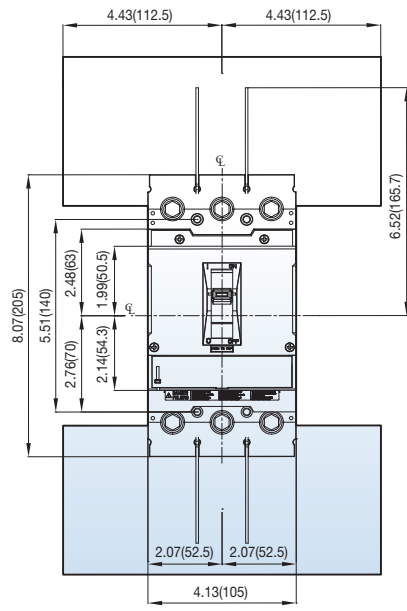


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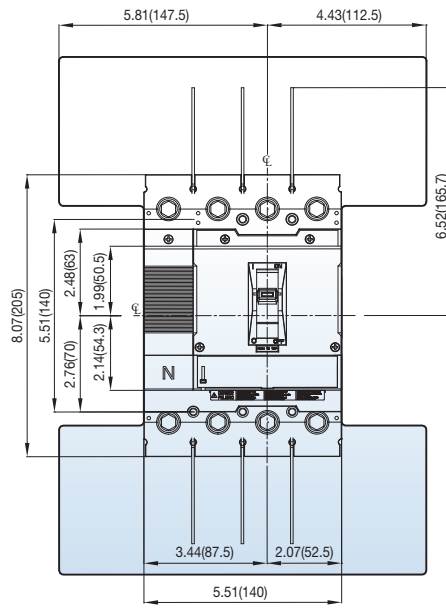


UTV250

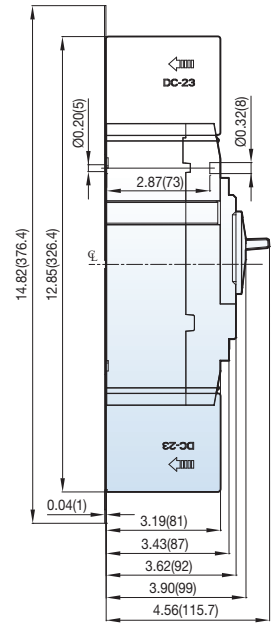
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3P



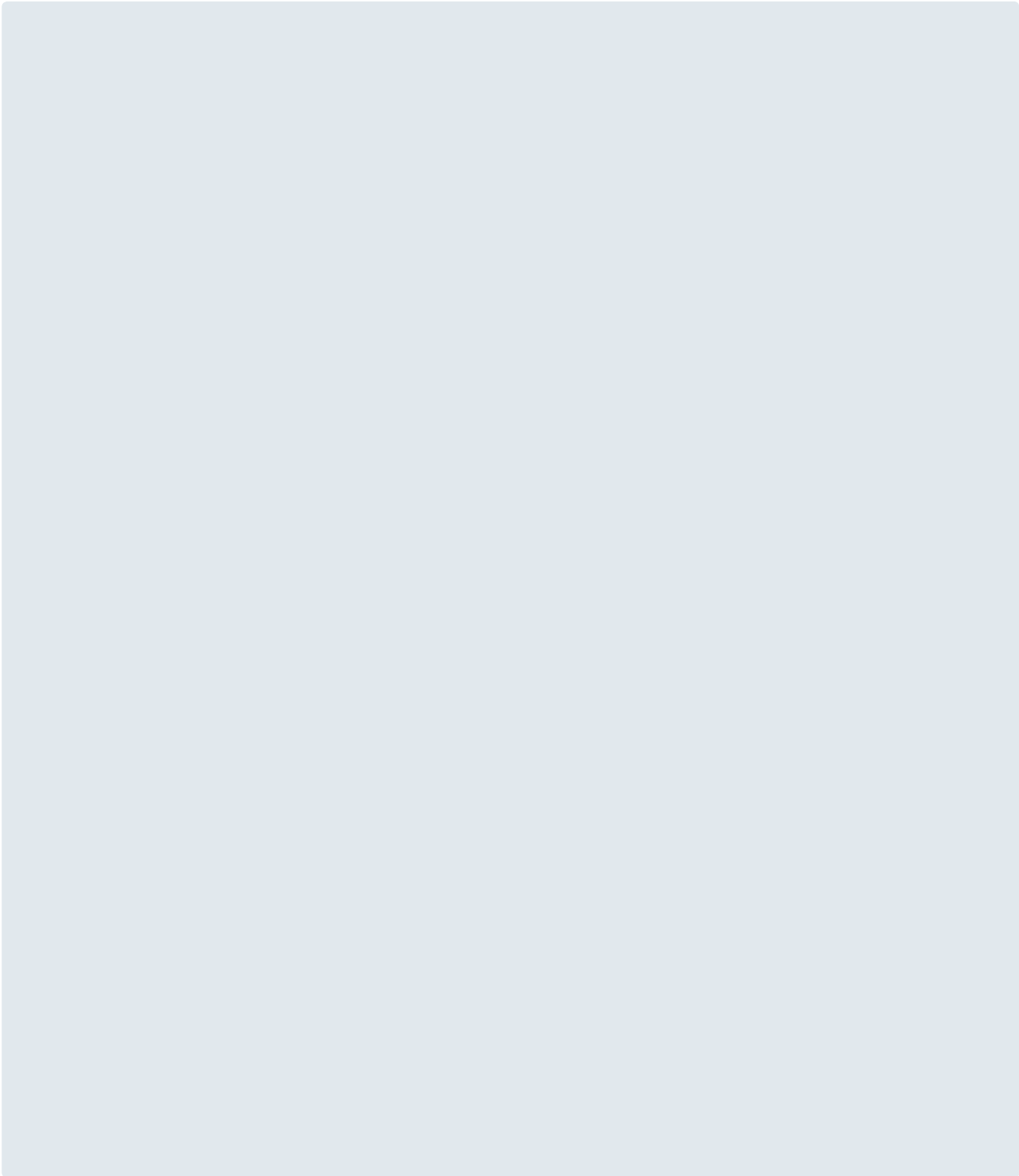
4P



Temperature derating

Temperature derating

Type		Rated current (A)	Derating current (A)		Compensated rated current in accordance with ambient temperature (A)																	
					10°C		20°C		30°C		40°C		45°C		50°C		60°C		70°C			
UL489	UTV250	60	60	100%	60	100%	60	100%	60	100%	60	100%	60	100%	59	98%	57	95%	53	89%	50	83%
		80	80	100%	80	100%	80	100%	80	100%	80	100%	80	100%	78	98%	76	95%	71	89%	66	83%
		100	100	100%	100	100%	100	100%	100	100%	100	100%	100	100%	98	98%	95	95%	89	89%	83	83%
		150	150	100%	150	100%	150	100%	150	100%	150	100%	150	100%	146	97%	141	94%	132	88%	123	82%
		200	200	100%	200	100%	200	100%	200	100%	200	100%	200	100%	196	98%	190	95%	178	89%	166	83%
		250	250	100%	250	100%	250	100%	250	100%	250	100%	250	100%	243	97%	235	94%	220	88%	205	82%





Safety Instructions

- For your safety, please read user's manual thoroughly before operating.
- Contact the nearest authorized service facility for examination, repair, or adjustment.
- Please contact qualified service technician when you need maintenance. Do not disassemble or repair by yourself!
- Any maintenance and inspection shall be performed by the personnel having expertise concerned.



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