

SELECTION GUIDE

UTS1200



CATALOG NUMBERING [PRODUCT SELECTION]

UTS1200				NT	N	G	O	1200A	3P	LL	UL
SERIES & FRAME: Susol 1200AF				OCR-I				AMPERES	POLES	SUFFIX	
Performance				N - Normal A - Ammeter				800	3: Three	UL : UL	
Rating				P - Power meter S - Super meter				1000			
				MCP : Motor Circuit Protector				1200			
				MCS: Molded Case Switch							
				OCR-II (Remote Reset)							
				G: Communication(X)							
				E: Com.(X) + Outer CT (G/F)							
				C: Communication(O)							
				X: Com.(O) + Outer CT (G/F)							
				OCR-II (ERMS)							
				I: Communication(X)							
				T: Com.(X) + Outer CT (G/F)							
				Q: Communication(O)							
				R: Com.(O) + Outer CT (G/F)							
				OCR-III							
				0 : Power(X), 60Hz							
				1: AC/DC 100~250V, 60Hz							
				2: DC 24~60V, 60Hz							
				5: Power(X), 50Hz							
				6: AC/DC 100~250V, 50Hz							
				7: DC 24~60V, 50Hz							
				TERMINALS							
				LL: Lugs Line/Load Side							
				L : Lugs Line Side							
				LO: Lugs Load Side							
				- : Bolt-on							

UTS1200 FRAME

UTS1200 breaker is HACR rated

UL489 RATINGS

BREAKER TYPE	NUMBER OF POLES	INTERRUPTING CAPACITY (kA rms) AC 50/60Hz		
		240V ac	480V ac	600V ac
UTS1200N	3	50	35	18
UTS1200H	3	100	65	25
UTS1200P	3	65	50	50
UTS1200L	3	150	100	35

IEC60947-2 RATINGS

BREAKER TYPE	NUMBER OF POLES	INTERRUPTING CAPACITY(kA rms) AC 50/60Hz, Icu			RATED SHORT-TIME WITHSTAND CURRENT (Icw)	UTILIZATION CATEGORY
		220/240V	380/415V	480/500V		
UTS1200N	3	50	35	25	25kA	B
UTS1200H	3	100	65	35	-	A
UTS1200P	3	65	50	50	25kA	B
UTS1200L	3	150	100	50	-	A
Service breaking capacity, Ics (%Icu)		100%				
Insulation Voltage, Ui		1000 Vac				
Impulse Withstand Voltage, Uimp		8 kVac				

DIMENSIONS

POLE	DIMENSIONS inch (mm)		
	W	H	D
3-Pole	8.27 (210)	16.26 (413)	6 (152.5)

CIRCUIT BREAKER

WITH N (NORMAL) TYPE TRIP UNIT			
Ampere Rating, In	50kA at 240V, 35kA at 480V, 18kA at 600V	100kA at 240V, 65kA at 480V, 25kA at 600V	65kA at 240V, 50kA at 480V, 50kA at 600V
	3-Pole	3-Pole	3-Pole
800A	UTS1200-N-N●■-800-3	UTS1200-H-N●■-800-3	UTS1200-P-N●■-800-3
1000A	UTS1200-N-N●■-1000-3	UTS1200-H-N●■-1000-3	UTS1200-P-N●■-1000-3
1200A	UTS1200-N-N●■-1200-3	UTS1200-H-N●■-1200-3	UTS1200-P-N●■-1200-3
Ampere Rating, In	150kA at 240V, 100kA at 480V, 35kA at 600V	Remarks	
	3-Pole	N(normal) type trip unit *1	
800A	UTS1200-L-N●■-800-3	Long time delay / Short time delay Instantaneous / Ground faults / Self power *LCD/SMPS is Removed from A type	
1000A	UTS1200-L-N●■-1000-3		
1200A	UTS1200-L-N●■-1200-3		
WITH A (AMMETER) TYPE TRIP UNIT			
Ampere Rating, In	50kA at 240V, 35kA at 480V, 18kA at 600V	100kA at 240V, 65kA at 480V, 25kA at 600V	65kA at 240V, 50kA at 480V, 50kA at 600V
	3-Pole	3-Pole	3-Pole
800A	UTS1200-N-A●■-800-3	UTS1200-H-A●■-800-3	UTS1200-P-A●■-800-3
1000A	UTS1200-N-A●■-1000-3	UTS1200-H-A●■-1000-3	UTS1200-P-A●■-1000-3
1200A	UTS1200-N-A●■-1200-3	UTS1200-H-A●■-1200-3	UTS1200-P-A●■-1200-3
Ampere Rating, In	150kA at 240V, 100kA at 480V, 35kA at 600V	Remarks	
	3-Pole	A(ammeter) type trip unit *1	
800A	UTS1200-L-A●■-800-3	All function of N type / Earth Leakage (Except residual current) ZSI / Comm. (Modbus, Profibus) AC/DC 100~250V / DC 24~60V Fault Recording 10ea	
1000A	UTS1200-L-A●■-1000-3		
1200A	UTS1200-L-A●■-1200-3		

* ●: OCR-II, ■: OCR-III

UTS1200 FRAME

CIRCUIT BREAKER

WITH P (POWER METER) TYPE TRIP UNIT			
Ampere Rating, In	50kA at 240V, 35kA at 480V, 18kA at 600V	100kA at 240V, 65kA at 480V, 25kA at 600V	65kA at 240V, 50kA at 480V, 50kA at 600V
	3-Pole	3-Pole	3-Pole
800A	UTS1200-N-P●■-800-3	UTS1200-H-P●■-800-3	UTS1200-P-P●■-800-3
1000A	UTS1200-N-P●■-1000-3	UTS1200-H-P●■-1000-3	UTS1200-P-P●■-1000-3
1200A	UTS1200-N-P●■-1200-3	UTS1200-H-P●■-1200-3	UTS1200-P-P●■-1200-3

Ampere Rating, In	150kA at 240V, 100kA at 480V, 35kA at 600V	Remarks
	3-Pole	P(power meter) type trip unit *1
800A	UTS1200-L-P●■-800-3	All function of A type (UV/OV/OF/UF/RV/Vun/Cun) ^{a)} Measuring (V/A/W/P/F/PF) ^{b)} Fault Recording 256ea / Event Recording 256ea
1000A	UTS1200-L-P●■-1000-3	
1200A	UTS1200-L-P●■-1200-3	

Note :

a) UV: Under Voltage // OV: Over Voltage // OF: Over Frequency // UF: Under Frequency // RV: Reverse power

// Vun: Voltage Unbalance // Cun: Current Unbalance

b) V: Voltage // A: Ampere // W: Watt // P: Power // F: Frequency // PF: Power factor

WITH S (SUPER METER) TYPE TRIP UNIT			
Ampere Rating, In	50kA at 240V, 35kA at 480V, 18kA at 600V	100kA at 240V, 65kA at 480V, 25kA at 600V	65kA at 240V, 50kA at 480V, 50kA at 600V
	3-Pole	3-Pole	3-Pole
800A	UTS1200-N-S●■-800-3	UTS1200-H-S●■-800-3	UTS1200-P-S●■-800-3
1000A	UTS1200-N-S●■-1000-3	UTS1200-H-S●■-1000-3	UTS1200-P-S●■-1000-3
1200A	UTS1200-N-S●■-1200-3	UTS1200-H-S●■-1200-3	UTS1200-P-S●■-1200-3

Ampere Rating, In	150kA at 240V, 100kA at 480V, 35kA at 600V	Remarks
	3-Pole	S(super meter) type trip unit *1
800A	UTS1200-L-S●■-800-3	All function of P type Display Harmonics and wave forms
1000A	UTS1200-L-S●■-1000-3	
1200A	UTS1200-L-S●■-1200-3	

Note *1 : The range of rated current setting is same with 4 Types but P/S type is able to set detail adjustment of rated current per 1A (Fine Adjustable)

MOLDED CASE SWITCH

WITH MCS TRIP UNIT (FIXED MAGNETIC ONLY)			
Ampere Rating, In	50kA at 240V, 35kA at 480V, 18kA at 600V	100kA at 240V, 65kA at 480V, 25kA at 600V	65kA at 240V, 50kA at 480V, 50kA at 600V
	3-Pole	3-Pole	3-Pole
1200A	UTS1200-N-MCS●■-1200-3	UTS1200-H-MCS●■-1200-3	UTS1200-P-MCS●■-1200-3

Ampere Rating, In	150kA at 240V, 100kA at 480V, 35kA at 600V	Remarks
	3-Pole	MCS type trip unit
1200A	UTS1200-L-MCS●■-1200-3	Magnetic range : 18000A fixed and wave forms

MOTOR CIRCUIT PROTECTOR

WITH MCP TRIP UNIT (ADJUSTABLE MAGNETIC ONLY)			
Ampere Rating, In	3-Pole	3-Pole	3-Pole
1200A	UTS1200-N-MCP ● ■ · 1200-3	UTS1200-H-MCP ● ■ · 1200-3	UTS1200-P-MCP ● ■ · 1200-3

Ampere Rating, In	3-Pole	Remarks
		MCP type trip unit
1200A	UTS1200-L-MCP ● ■ · 1200-3	Magnetic range : 2~8In

ITEM	SETTING RANGE
I_r (rated current)	0.4~1.0 I _n
T_r (long time tripping delay)	0.5~20 (s)
I_{sd} (short time current)	1.5~10 I _r
T_{sd} (short time tripping delay)	0.05~0.4 (s)

ITEM	SETTING RANGE
I_i (instantaneous current)	2~15 I _n
T_g (ground fault tripping delay)	0.05~0.4 (s)
I_g (ground fault current)	0.2~1I _n



OCR-II (Remote Reset)
G: Communication(X)
E: Com.(X)+Outer CT(G/F)
C: Communication(O)
X: Com.(O)+Outer CT(G/F)

OCR-II (ERMS)
I: Communication(X)
T: Com.(X)+Outer CT(G/F)
G: Communication(O)
R: Com.(O)+Outer CT(G/F)



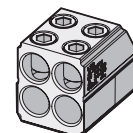
OCR-III
0: Power(X), 60Hz
1: AC/DC 100~250V, 60Hz
2: DC 24~60V, 60Hz
5: Power(X), 50Hz
6: AC/DC 100~250V, 50Hz
7: DC 24~60V, 50Hz

ACCESSORIES FOR UTS1200

MECHANICAL LUGS

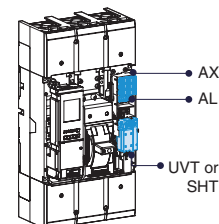
MAXIMUM BREAKER AMPERES	TERMINAL BODY MATERIAL	Wire type	Ordering type
1200A	Aluminum	Cu/Al	AL1200TS

AL 1200TS 800~1200A Lug



INNER ACCESSORIES

DESCRIPTION	CONTROL VOLTAGE	ORDERING TYPE
Auxiliary Switch, AX		
Alarm Switch, AL		
Shunt Trip, SHT	DC 24~30V	
	AC 48V/DC 48~60V	
	AC/DC 100~130V	
	AC/DC 200~250V	
Undervoltage Trip, UVT	AC 380~480V	
	DC 24~30V	
	AC 48V/DC 48~60V	
	AC/DC 100~130V	
	AC/DC 200~250V	
	AC 380~480V	



Type	Right(T)
AX	3
AL	1
SHT	1*
UVT	1*

* Applicable in indicated pole position-not synchronous

ACCESSORIES FOR UTS1200

PADLOCKING DEVICE

DESCRIPTION	ORDERING TYPE
Lock in "OFF" position	PL5



<Pad Lock>

PLATE HANDLE LOCKING DEVICE

DESCRIPTION	ORDERING TYPE
Lock in "OFF" or "ON" position	PHL5



<Plate Handle Lock>

MECHANICAL INTERLOCKING DEVICE

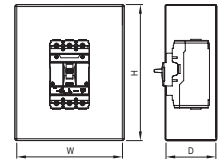
DESCRIPTION	ORDERING TYPE
For 3-Pole breaker	MIT53



<Mechanical Interlock>

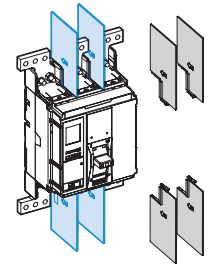
ENCLOSURE

ENCLOSURE DIMENSION(W X H X D) inch (mm)	ORDERING TYPE
20.25 (514.4) x 51.9 (1318.3) x 7.75 (196.9) : 80% Rated	-
23.0 (584.2) x 62.25 (1581.2) x 14.75 (374.7) : 100% Rated	-



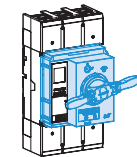
INSULATION BARRIERS

DESCRIPTION	QTY PER KIT	ORDERING TYPE
Standard type	2	B53
Extended type	2	BE53

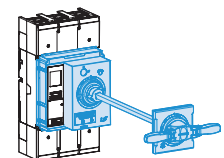


ROTARY OPERATING HANDLES

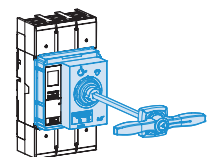
DESCRIPTION	TYPE	ORDERING TYPE
Directly Mounted	NEMA Type 1	DH-5
Directly Mounted (with Key lock)	NEMA Type 1	DHK-5
Extended (Door-Mounted)	NEMA Type 1	REH-5
	NEMA Type 1, 12	EHU-5
NEMA Door-Mounted	NEMA Type 3, 3R, 4	EHV-5
	NEMA Type 3, 4, 4X	EHX-5



<DH-5>



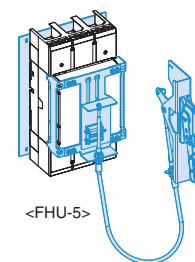
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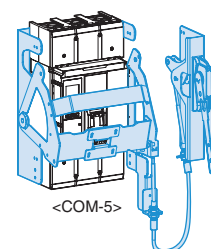
FLANGE OPERATING HANDLES

DESCRIPTION	TYPE	ORDERING TYPE
Handles (Including driving part/ excluding cable)	NEMA Type 1, 12, 3, 3R, 4	FHU-5
	NEMA Type 4, 4X	FHX-5
	60 inch	FH5-60
Cable	84 inch	FH5-84
	128 inch	FH5-128



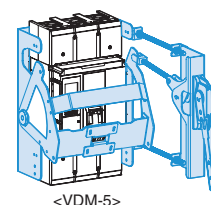
FLANGE HANDLES WITH CABLE OPERATING MECHANISM

DESCRIPTION	TYPE	ORDERING TYPE
Cable operating mechanism (without cable)		COM-5
Long type handle (with operating mechanism)	NEMA Type 1, 12, 3, 3R, 4	FHU-L
	NEMA Type 4, 4X	FHX-L
	60 inch	FH5-60
Cable	84 inch	FH5-84
	128 inch	FH5-128



FLANGE HANDLES WITH VARIABLE-DEPTH OPERATING MECHANISM

DESCRIPTION	TYPE	ORDERING TYPE
Variable depth operating mechanism with threaded-rod and handle		VDM-5
Long type handle (with operating mechanism)	NEMA Type 1, 12, 3, 3R, 4	FHU-L
	NEMA Type 4, 4X	FHX-L



TYPE	DIRECTLY MOUNTED	DOOR MOUNTED	FLANGE HANDLE WITH CABLE/SLIDING OPERATION MECHANISM	FLANGE HANDLE WITH VARIABLE DEPTH MECHANISM
NEMA TYPE 1			-	-
NEMA Type 1, 12, 3, 3R, 4, 4X	-			