

MCCBs for power distribution

Susol

Electronic trip units (Standard type)

The new series of Susol TS series molded case circuit breakers for AC networks can be equipped with ETS23, ETS33 and ETS43. The trip units can be fitted with three (3) pole TS100 to TS800. The wide range of adjustments makes the trip units particularly suitable in all distribution applications where reliability and trip precision are required.

Function

Protection of power distribution

- Overload protection
- Short-circuit protection

Ratings

		Trip units					
		ETS23			ETS33		ETS43
Rated current, In (A)	40	●	●	●	-	-	-
	80	●	●	●	-	-	-
	160	-	●	●	●	●	-
	250	-	-	●	●	●	-
	400	-	-	-	●	●	-
	630	-	-	-	-	●	●
	800	-	-	-	-	-	●
Applicable to		TS100 N/H/L	TS160 N/H/L	TS250 N/H/L	TS400 N/H/L	TS630 N/H/L	TS800 N/H/L

Current setting, Ir(A)

ETS	16	32	40	64	80	100	160	250	320	400	630	800
ETS23 for TS100N/H/L												
ETS23 for TS160N/H/L												
ETS23 for TS250N/H/L												
ETS33 for TS400N/H/L												
ETS33 for TS630N/H/L												
ETS43 for TS800N/H/L												

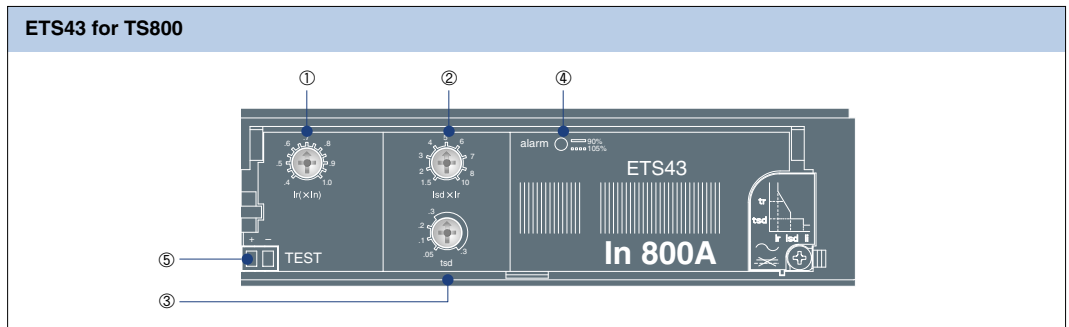
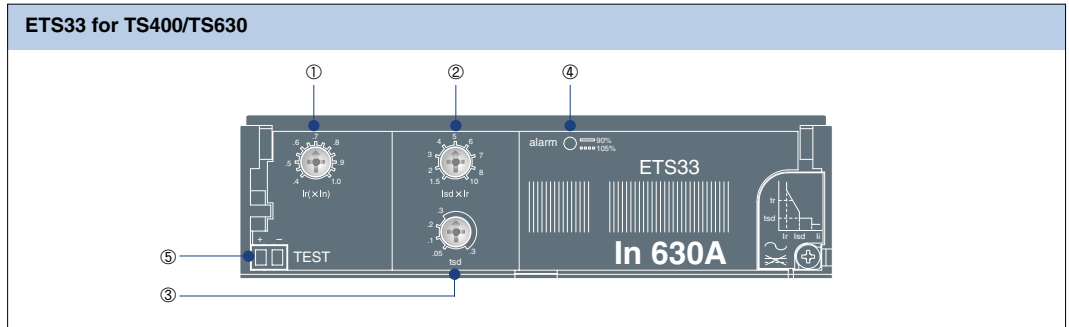
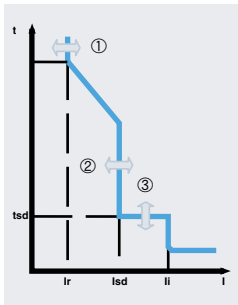
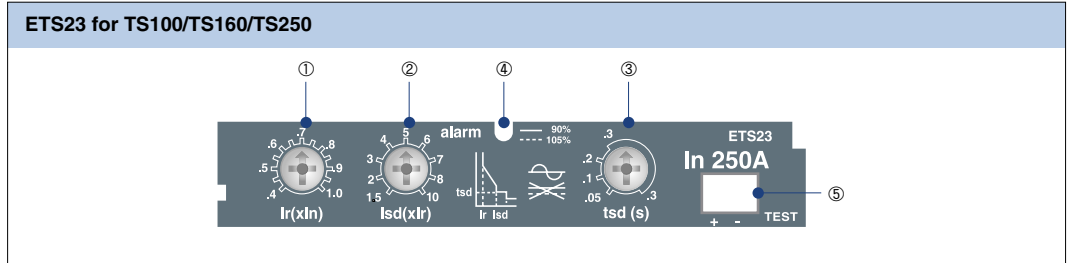
Setting values

Overload protection (long time)	
Setting current (A), Ir	0.4, 0.45, 0.5, 0.55, 0.6, 0.65, 0.7, 0.75, 0.8, 0.85, 0.9, 0.95, 1.0 × In, 13 setting
Tripping time (s)	Fixed at 6 × Ir, tolerance ±20%
Short-circuit protection (short time)	
Tripping threshold (A), I _{sd}	adjustable 1.5, 2, 3, 4, 5, 6, 7, 8, 10 × Ir, 9 setting, tolerance ±15%
Time delay (ms)	adjustable 50, 100, 200, 300, 4 setting, tolerance ±20%
Short circuit protection (Instantaneous)	
Tripping threshold (A), I _i	Fixed at 11 × In

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- ① Adjustable rated current setting (I_r)
- ② Adjustable short time delay current setting (I_{sd})
- ③ Adjustable time delay setting (t_{sd})
- ④ Alarm LED
90% I_r : ON,
105% I_r or more: ON-OFF
- ⑤ Test connector



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