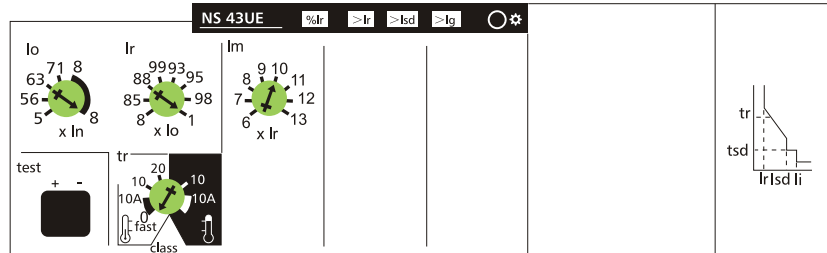


NS Series Moulded Case Circuit Breaker

NS 43SE: protection of motor for NS-400\630



1. Overload protection with adjustable threshold, as defined by IEC60947-4(2) tripping class by 10A,10and 20
2. Short-circuit protection with adjustable threshold (6...13xlr)
3. Phase failure protection (built-in electronic release: operates unbanded single-phase current at 40% and more than) (tripping time delay $4s \pm 10\%$), as defined by IEC60947-4.1
4. Load indication: Flashing more than Ir setting threshold
6. Fault indication

LEDs indicates the type of fault that caused tripping

Overload (LT protection) or abnormal component temperature (>Ir);

Short-circuit (ST or instantaneous protection) (>Im);

Phase failure(right LED);

Microprocessor malfunction(>Ir (>Im) and phase failure LEDs all go on)

Battery powered. Spare battery are supplied in an adapter box. When a fault occurs, the LED indicating the type of fault, lights for about 10 minutes. The information is however stored in memory. The LED can be illuminated by pressing the test pushbutton. The LED automatically goes off and the memory is cleared when the circuit breaker is reset.

Type	Rated current In(A)	Note
NS-400	400	Ir=0.4...1xln (adjustable 48 setting) Trip degree: class 10A,10,20(IEC60947-4) (Long-time overload protection) Im=6-7-8-9-10-11-12-13 x lr (Short-circuit protection)
NS-630	630	



Under-voltage release
Shunt release



Auxiliary contact
Alarm contact

Accessories

Accessories	Rated operating voltage	Consumption		For type
		Pick-up	Seal-in	
Shunt release (MX)	24V	< 10VA	< 5VA	NS-100~630
	100V			
	220V/230V 380V/400V			
Under-voltage release (UN)	220V/230V 380V/400V	< 10VA	< 5VA	

Accessories	Rated operating voltage	Rated operating current		For type
		AC12	AC15	
Auxiliary contact (OF)	380/400V	6	3	NS-100~630
Alarm contact (AL)	380/400V	6	3	