Function 50P	Permission: yes/no
	Operating range: 0.10 to 30 x In (step 0.01)
	Operating time: 0.02 to 300 s (step 0.01s)
	Activation level 100%
	Deactivation level 95%
	Instantaneous deactivation
	Timing accuracy: 30 ms
Function 50N/G	Permission: yes/no
	Operating range: 0.10 to 30 x In (step 0.01)
	Operating time: 0.02 to 300 s (step 0.01s)
	Activation level 100%
	Deactivation level 95%
	Instantaneous deactivation
	Timing accuracy: 30 ms
Function 50/51P	Permission: yes/no
	Operating range: 0.10 to 7 x In (step 0.01)
	Curves: IEC 60255-151
	Operating time: inverse curve, very inverse curve, extremely inverse curve. Defined time: 0.02 to 300 s (step 0.01 s)
	Dial: 0.02 to 1.25 (step 0.01)
	Curve, activation level 110%
	Curve, deactivation level 100%
	Defined time, activation level 100%
	Defined time, deactivation level 95%

	Instantaneous deactivation
	Timing accuracy: 5% or 30 ms (greater of both)
Function 50/51 N/G	Permission: yes/no
	Operating range: 0.10 to 7 x In (step 0.01)
	Curves: IEC 60255-151
	Operating time: inverse curve, very inverse curve, extremely inverse curve. Defined time: 0.02 to 300 s (step 0.01 s)
	Dial: 0.02 to 1.25 (step 0.01)
	Curve, activation level 110%
	Curve, deactivation level 100%
	Defined time, activation level 100%
	Defined time, deactivation level 95%
	Instantaneous deactivation
	Timing accuracy: 5% or 30 ms (greater of both)
Trip blocking	Permission: yes/no
	Blocking level: 1.5 to 20 x In (step 0.01)
Circuit breaker monitoring	Circuit Breaker state: start, open, closed, error, opening time, opening error, closing time, closing error
	Input 52a and/or input 52b
	Opening and closing command
	Alarm, maximum number of openings: 1 a 10000
	Alarm, accumulated amps: 0 a 100000 M(A²)
	Excessive repeated openings: 1 a 10000
	Time of excessive repeated openings: 1 a 300 min

Function 50BF	Function permission : yes/no
	Opening failure time: 0.02 to 1.00 s (step 0.01 s)
	Open breaker activation threshold: 8% In
	Open breaker reset threshold: 10% In
	Function start: Device trip, opening failure input activation, breaker opening command activation
CLP	Permission: yes/no
	No load time: 0,02 to 300s (step 0.01s)
	Cold load 0,02 to 300s (step 0.01s)
Setting Tables	1 General
	3 Criteria
	Activated, by inputs, by communications, by settings
Function 49	Function permission : yes/no
	Tap: 0.10 a 2.40 Inominal (step 0.01)
	ζ heating: 3 a 600 minutes (step 1 min)
	ζ cooling: 1 a 6 x ζ heating (step 1)
	Alarm level: 20 a 99% (step 1 %)
	Trip level: 100%
	Trip reset: 95% of alarm level
	Timing accuracy:± 5% regarding theoretical value
Function 49T	Available through configurable inputs (optional)
Programmable Logic Control	OR4, OR4_LATCH, OR4_PULSES, NOR4, NOR4_LATCH, AND4, AND4 PULSES, NAND4
Function 86	Allows to latch (lock out) the contact trip due to programable logic (PLC)
2 inputs configurable	The same voltage as auxiliary power supply

Frequency	50/60Hz
Current measure	True RMS
	Sampling: 16 samples/cycle
	Accuracy of ±2% in a band of 20% over the rated current and ±4% for the rest of measurement range
Fault reports	4 fault reports with 24 events each
Communications	USB port: Modbus RTU
	RS485 port: Modbus RTU
Auxiliary power supply	110-230 Vac / 90-300 Vdc ±20%
	24-48 Vdc ±10%
Battery supply	With KITCOM adapter to USB
Environment	Operating temperature: -10 to 70ºC
	Storage temperature: -20 to 80 ºC
	Humidity: 95%
Transformers	3 or 4 CT /5, /1 or /0.2
Mechanical features	Metallic box
	Panel Mounting
	1/4 Rack – 4 U
	Depth: 74,6 mm
	IP-54 on panel