



SIA-C Specifications

Function 50P	Permission: yes/no
	Operating range: 0,20 to 30,00 xIn (0,01 xIn)
	Operating time: 0,02 to 300 s (0,01 s)
	Activation level 100%
	Deactivation level 95%
Function 50N	Instantaneous deactivation
	Permission: yes/no
	Operating range: 0,20 to 30,00 xIn (0,01 xIn)
	Operating time: 0,02 to 300 s (0,01 s)
	Activation level 100%
Function 51P	Deactivation level 95%
	Instantaneous deactivation
	Permission: yes/no
	Operating range: 0,20 to 7,00 xIn (0,01 xIn)
	Curves: IEC 255-4/BS-142
	Operating time: inverse curve, very inverse curve, extremely inverse curve, defined time (0,02 to 300 s (0,01 s))
	Dial: 0,05 to 1,25
	Curve, activation level 120%
	Curve, deactivation level 100%
	Defined time, activation level 100%
	Defined time, deactivation level 95%
Function 51N	Instantaneous deactivation
	Timing accuracy: 5% or 30 ms (greater of both)
	Permission: yes/no
	Operating range: 0,20 to 7,00 xIn (0,01 xIn)
	Curves: IEC 255-4/BS-142
	Operating time: inverse curve, very inverse curve, extremely inverse curve, defined time (0,02 to 300 s (0,01 s))
	Dial: 0,05 to 1,25
	Curve, activation level 120%
	Curve, deactivation level 100%
	Defined time, activation level 100%
	Defined time, deactivation level 95%
Overtemperature trip input	Instantaneous deactivation
	Timing accuracy: 5% or 30 ms (greater of both)
Trip output	Charging time 10 s
Frequency	10 V – 8 mJ
Current measure	50/60Hz
	Rms
	Sampling: 800Hz@50Hz 960Hz@60Hz
	Accuracy $\pm 2\%$ in nominal current
Communication	Accuracy $\pm 3\%$ in the hole range
	RS232 port: Modbus RTU
Auxiliary supply	RS485port: Modbus RTU
Battery supply	230 Vac, $\pm 20\%$
Self-power from current	With RS232 adapter
	One phase self-power level: $I > 0,2 \times I_n$
Environment	Operating temperature: -10 to 60°C
	Storage temperature: -20 to 70 °C
	Humidity: 95%
Striker	Operating voltage: 6-24 Vdc