



SIA-D 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%
	Instantaneous deactivation
Function 50N	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%
	Instantaneous deactivation
Function 51P	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%
	Instantaneous deactivation
	Timing accuracy: 5% or 30 ms (greater of both)
	Function 51N
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%	
Instantaneous deactivation	
Timing accuracy: 5% or 30 ms (greater of both)	
Function 67N (2 units)	
	Operating range IO: 0,20 to 30,00 xIn (0,01 xIn)
	Operating range VO: 0,40 to 20,00 V (0,1 V)
	Operating time: 0,02 to 300 s (0,01 s)
	Directionality: yes/no
	Current, activation level 100%
	Current, deactivation level 95%
	Voltage, activation level 100%
	Voltage, deactivation level 95%
	Operating angle: 0 to 359° (1°)
	Semicone angle: 0 to 180° (1°)
	Trip blocking
Blocking level: 7 to 20 xIn (0,01 xIn)	
Breaker monitoring	Alarm, maximum number of openings: 1 to 2000
	Alarm, accumulated amps: 0 to 999,999 (kA ²)
Frequency	50/60Hz
Current measure	Rms
	Sampling: 800Hz@50Hz 960Hz@60Hz
	Accuracy ±2% in nominal current
	Accuracy ±3% in the hole range
Communications	RS232 port: Modbus RTU
	RS485 port: Modbus RTU
Connmuted supply	110-230 Vac / 90-220 Vdc, ±20 %



Auxiliary supply	48 Vdc, $\pm 20\%$
Battery supply	With RS232 adapter
Environment	Operating temperature: -10 to 60°C
	Storage temperature: -20 to 70 °C
	Humidity: 95%

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