

	ANSI Code	Pishtaz PS 40	Protecta E3	Pishtaz PS20	Protecta E1
P r o t e c t i o n F u n c t i o n	Phase Over Current	50/51	•	•	•
	Earth Fault	50N/51N	•	•	•
	Sensitive Earth Fault	50G/51G	•		
	Breaker Failure	50BF	•	•	•
	Negative Sequence Over Current	46	•	•	•
	Broken Conductor	46BC	•		
	Thermal Overload	49	•	•	•
	Directional phase Over Current	67	•	•	
	Directional Earth Fault	67N	•	•	•
	Recloser	79	•	•	•
	Under Voltage	27	•	•	
	Over Voltage	59	•	•	
	Remanent Under Voltage	27R	•		
	Positive Sequence Under Voltage	27D	•	•	
	Zero Sequence Over Voltage	59N	•	•	
	Negative Sequence Over Voltage	47	•	•	
	Synchro-Check	25	•	•	
	Over Frequency	81O	•	•	
	Under Frequency	64U	•	•	
	Rate of Change of Frequency (ROCOF)	81R	•	•	
	Directional Active Power	32P	•	•	
	Directional Reactive Power	32Q	•		
	Latching	86	•	•	•
	Trip Circuit Supervision	74 TCS	•	•	•
	Switch on to Fault	50HS	•	•	•
	CB Monitoring	CB Monitoring	•	•	•
	Cold Load Pickup	CLP	•		•
	Inrush Blocking	68 Inrush	•	•	•
	Logic Discrimination	68	•	•	•
	Fault Locator	21 FL	•		•
PT Supervision	PT Supervision	•	•		
CT Supervision	CT Supervision	•		•	
Breaker Control		•	•	•	

	Pishtaz PS40	E3	Pishtaz PS20	E1
Technical Specification	Current Inputs	3CT+CT or CSH 30/120/200	4	3CT+CT or CSH 30/120/200
	Voltage Input	4	4	
	IEC 61850 Ed1 & Ed2	•	•	•
	DNP3 Serial	•	•	•
	DNP3 Ethernet	•	•	•
	Modbus RTU	•	•	•
	Modbus TCP/IP	•	•	•