F6150 IEEE

F6150 FAMILY OF POWER SYSTEM SIMULATORS TECHNICAL SPECIFICATIONS

The F6150 Simulators are fully capable of testing all types of protective relays, including these IEEE relay types. In addition, using the "P" ProTest Macro, any new relay may be tested under true power system conditions, regardless of it measurement function.

IEEE Device Number	Relay Type	Sources
2	Time-Delay Starting	1 1 Vdc, 1 Idc
21	Distance 1 F	1 1 Vac, 1 Iac
21	Distance, 3F wye Voltage and Current	3 Vac, 3 Iac
21	Distance 3F (open-delta)	2 Vac, 2 Iac
21G	Ground Distance	3 Vac, 1 Iac, 1 Logic
24	Volts/Hertz	1 Vac
25/25G	Auto-Synchronizing and synch check	2 Vac
27	AC/DC Under	1 Vac
32	Directional Power 1 F	1 Vac, 1 Vac
32	Directional Power 3F (open delta voltages, open wye current)	2 Vac, 2 Iac
37	Undercurrent/Underpower	1 Vac, 1 Iac
40	Loss of Field	1 Vac, 1 Iac or 1 Vdc, 1 Idc
46	Phase Balance	3 Iac
46N	Negative Sequence Overcurrent	3 Iac
47	Phase Seq. Voltage (open-delta)	2 Vac
50	Instantaneous Overcurrent (up to 90A Continuous, 180A 1.5 Seconds Max.)	1 Iac
51	Time-Overcurrent (90A Continuous, 180A for 1.5 Seconds Max.)	1 Iac
59	AC/DC Under/Overvoltage	1 Vdc
67	Directional Overcurrent	1 Vac, 2 Iac; 2 Iac
67N	Ground Directional Overcurrent	1 Vac, 1 Iac
76	DC Overcurrent	1 Idc
79	AC Reclosing	2 Vac, 1 Logic
81	Frequency	1 Vac
82	DC Reclosing	1 Vdc, 1 Logic
85	Carrier or Pilot Wire	1 Idc, 1 Vdc or Iac
86	Lock-out	1 Vdc
87	Differential	2 Iac
87	Differential 3F 6 Current	6 Iac
94	Tripping	1 Vdc, 1 Idc

Specifications are subject to change without notice.

Improves protection maintenance productivity

TOGETHER WE POWER THE WORLD

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