

**ELECTRICAL POWER SYSTEM DEVICE - NUMBERS AND FUNCTIONS**

1	Master element	48	Incomplete sequence relay
2	Time-delay starting or closing relay	49	Machine, or transformer, thermal relay
3	Checking or interlocking relay	50	Instantaneous overcurrent, or rate-of-rise relay
4	Master contactor	51	AC time overcurrent relay
5	Stopping device	52	AC circuit breaker
6	Starting circuit breaker	53	Exciter or D.C. generator relay
7	Anode circuit breaker	54	(Reserved for future use)
8	Control power disconnecting device	55	Power factor relay
9	Reversing device	56	Field application relay
10	Unit sequence switch	57	Short-circuiting or grounding device
11	(Reserved for future use)	58	Rectification failure relay
12	Over-speed device	59	Overvoltage relay
13	Synchronous-speed device	60	Voltage or current balance relay
14	Under-speed device	61	(Reserved for future use)
15	Speed or frequency, matching device	62	Time-delay stopping or opening relay
16	(Reserved for future use)	63	Pressure switch
17	Shunting or discharge switch	64	Ground protective relay
18	Accelerating or decelerating device	65	Governor
19	Starting-to-running transition contactor	66	Notching or jogging device
20	Electrically operated valve	67	AC directional overcurrent relay
21	Distance relay	68	Blocking relay
22	Equalizer circuit breaker	69	Permissive control device
23	Temperature control device	70	Rheostat
24	(Reserved for future use)	71	Level switch
25	Synchronizing or synchronism-check device	72	DC circuit breaker
26	Apparatus thermal device	73	Load-resistor contactor
27	Undervoltage relay	74	Alarm relay
28	Flame detector	75	Position changing mechanism
29	Isolating contactor	76	DC overcurrent relay
30	Annunciator relay	77	Pulse transmitter
31	Separate excitation device	78	Phase angle measuring or out-of-step protective relay
32	Directional power relay	79	AC reclosing relay
33	Position switch	80	Flow switch
34	Master sequence device	81	Frequency relay
35	Brush-operating, or slip-ring-short-circuiting device	82	DC reclosing relay
36	Polarity or polarizing voltage	83	Automatic selective control or transfer relay
37	Undercurrent or underpower relay	84	Operating mechanism
38	Bearing protective device	85	Carrier or pilot-wire receiver relay
39	Mechanical condition monitor	86	Locking-out relay
40	Field relay loss of excitation	87	Differential protective relay
41	Field circuit breaker	88	Auxiliary motor or motor generator
42	Running circuit breaker	89	Line switch
43	Manual transfer or selector device	90	Regulating device
44	Unit sequence starting relay	91	Voltage directional relay
45	Atmospheric condition monitor	92	Voltage and power directional relay
46	Reverse-phase, or phase-balance, current relay	93	Field changing contactor
47	Phase sequence voltage	94	Tripping or trip-free relay