

## ANSI/IEEE Standard Device Numbers

In North America protective relays are generally referred to by standard device numbers. Letters are sometimes added to specify the application.

### *Device Numbers (the more commonly used ones are in bold)*

1 - Master Element	55 - Power Factor Relay
2 - Time Delay Starting or Closing Relay	56 - Field Application Relay
3 - Checking or Interlocking Relay	<b>59 - Overvoltage Relay</b>
4 - Master Contactor	60 - Voltage or Current Balance Relay
5 - Stopping Device	61 - Machine Split Phase Current Balance
6 - Starting Circuit Breaker	62 - Time-Delay Stopping or Opening Relay
7 - Anode Circuit Breaker	63 - Pressure Switch
8 - Control Power Disconnecting Device	64 - Ground Detector Relay
9 - Reversing Device	65 - Governor
10 - Unit Sequence Switch	66 - Starts per Hour
12 - Overspeed Device	<b>67 - AC Directional Overcurrent Relay</b>
13 - Synchronous-speed Device	68 - Blocking Relay
14 - Underspeed Device	69 - Permissive Control Device
15 - Speed - or Frequency-Matching Device	71 - Level Switch
20 - Elect. operated valve (solenoid valve)	72 - DC Circuit Breaker
<b>21 - Distance Relay</b>	74 - Alarm Relay
23 - Temperature Control Device	75 - Position Changing Mechanism
<b>25 - Synchronizing or Synchronism- Check Device</b>	76 - DC Overcurrent Relay
26 - Apparatus Thermal Device	78 - Phase-Angle Measuring or Out-of-Step Protective Relay
<b>27 - Undervoltage Relay</b>	79 - AC-Reclosing Relay
29 - Isolating Contactor	81 - Frequency Relay
30 - Annunciator Relay	83 - Automatic Selective Control or Transfer Relay
<b>32 - Directional Power Relay</b>	84 - Operating Mechanism
36 - Polarity or Polarizing Voltage Devices	85 - Carrier or Pilot-Wire Receiver Relay
37 - Undercurrent or Underpower Relay	86 - Lockout Relay
38 - Bearing Protective Device	<b>87 - Differential Protective Relay</b>
39 - Mechanical Conduction Monitor	89 - Line Switch
<b>40 - Loss of Field Relay</b>	90 - Regulating Device
41 - Field Circuit Breaker	91 - Voltage Directional Relay
42 - Running Circuit Breaker	92 - Voltage and Power Directional Relay
43 - Manual Transfer or Selector Device	94 - Tripping or Trip-Free Relay
46 - Reverse-phase or Phase-Balance Relay	95 - Reluctance Torque Synchrocheck
47 - Phase-Sequence Voltage Relay	96 - Autoloading Relay
48 - Incomplete-Sequence Relay	
49 - Machine or Transformer Thermal Relay	
<b>50 - Instantaneous Overcurrent</b>	
<b>51 - AC Time Overcurrent Relay</b>	
52 - AC Circuit Breaker	
53 - Exciter or DC Generator Relay	
54 - High-Speed DC Circuit Breaker	

---

B – Bus  
F - Field  
G – Ground or generator  
N – Neutral  
T – Transformer