

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 (IEEE Standard C37.2-2008).

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

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| 1 - Master Element | 53 - Field Excitation Relay |
| 2 - Time Delay Starting or Closing Relay | 55 - Power Factor Relay |
| 3 - Checking or Interlocking Relay | 56 - Field Application Relay |
| 4 - Master Contactor | 59 - Overvoltage Relay |
| 5 - Stopping Device | 60 - Voltage or Current Balance Relay |
| 6 - Starting Circuit Breaker | 62 - Time-Delay Stopping or Opening Relay |
| 7 - Rate of Change Relay | 63 - Pressure Switch |
| 8 - Control Power Disconnecting Device | 64 - Ground Detector Relay |
| 9 - Reversing Device | 65 - Governor |
| 10 - Unit Sequence Switch | 66 - Notching or jogging device |
| 11 - Multifunction Device | 67 - AC Directional Overcurrent Relay |
| 12 - Overspeed Device | 68 - Blocking or "out of step" Relay |
| 13 - Synchronous-speed Device | 69 - Permissive Control Device |
| 14 - Underspeed Device | 74 - Alarm Relay |
| 15 - Speed or Frequency-Matching Device | 75 - Position Changing Mechanism |
| 16 - Data Communications Device | 76 - DC Overcurrent Relay |
| 20 - Elect. operated valve (solenoid valve) | 78 - Phase-Angle Measuring Relay |
| 21 - Distance Relay | 79 - AC-Reclosing Relay |
| 23 - Temperature Control Device | 81 - Frequency Relay |
| 24 - Volts per Hertz Relay | 83 - Automatic Selective Control or Transfer Relay |
| 25 - Synchronizing or Synchronism-Check Device | 84 - Operating Mechanism |
| 26 - Apparatus Thermal Device | 85 - Pilot Communications, Carrier or Pilot-Wire Relay |
| 27 - Undervoltage Relay | 86 - Lockout Relay |
| 30 - Annunciator Relay | 87 - Differential Protective Relay |
| 32 - Directional Power Relay | 89 - Line Switch |
| 36 - Polarity or Polarizing Voltage Devices | 90 - Regulating Device |
| 37 - Undercurrent or Underpower Relay | 91 - Voltage Directional Relay |
| 38 - Bearing Protective Device | 92 - Voltage and Power Directional Relay |
| 39 - Mechanical Conduction Monitor | 94 - Tripping or Trip-Free Relay |
| 40 - Field (over/under excitation) Relay | |
| 41 - Field Circuit Breaker | |
| 42 - Running Circuit Breaker | |
| 43 - Manual Transfer or Selector Device | |
| 46 - Rev. phase or Phase-Bal. Current Relay | |
| 47 - Phase-Seq. or Phase-Bal. Voltage Relay | |
| 48 - Incomplete-Sequence Relay | |
| 49 - Machine or Transformer Thermal Relay | |
| 50 - Instantaneous Overcurrent | |
| 51 - AC Time Overcurrent Relay | |
| 52 - AC Circuit Breaker | |
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- B - Bus
F - Field
G - Ground or generator
N - Neutral
T - Transformer