

# 120V & 208V

## 3-Phase & 1-Phase Main Panel - 1, 2 & 3 Poles Breakers Wiring - US - NEC



3-Phase Power Supply Feeder Cables  
(3 Hots & 1 Neutral from Energy Meter)

L1 L2 L3  
N

**NEVER EVER TOUCH**  
Always Hot (Live)  
continuously

HOT1 & Neutral = 120V  
Single Phase

HOT1 & HOT2 = 208V  
Single Phase

HOT1, HOT2 & HOT3  
= 208V  
Three Phase

**Wiring Color Codes (NEC)**

- HOT 1
- HOT 2
- HOT 3
- NEUTRAL
- GROUND (or Bare Conductor)

3-Pole Breakers snap  
over 3 Busbars & Draw  
Hot from each Busbar

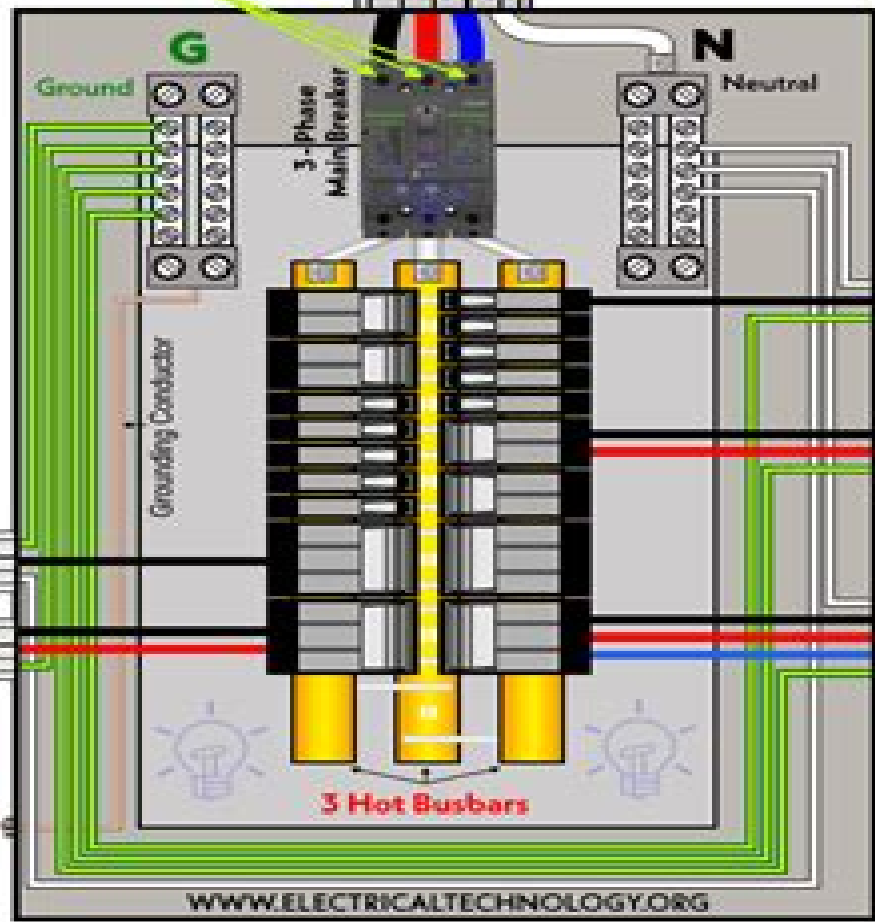
120V  
Hot 1 & Neutral  
(Single Phase)  
3-Poles Breaker

208V  
From 2 Hot  
Wires  
(Single Phase)  
3-Poles Breaker

120V  
Hot 1 & Neutral  
(Single Phase)  
1-Pole Breaker

208V  
From 2 Hot  
Wires  
(Single Phase)  
2-Poles Breaker

208V  
From 3 Hot  
Wires  
(Three Phase)  
3-Poles Breaker  
\* Neutral Optional



# 3 Phase 208v Panel Wiring

**Mark W. Earley, National Fire  
Protection Association**



### 3 Phase 208v Panel Wiring:

*Commercial Electrical Wiring* John E. Traister, 2000 Commercial work uses more material and the work is usually smooth long lasting and more profitable than residential This updated book has the explanations examples and tips to help you comply with the parts of the NEC that apply to commercial wiring in load calculations sizing of electrical services selecting and installing overcurrent protection and more You ll also find how to read and understand symbols plans drawings and schematics common in commercial electrical work If you want to increase your work volume and profits by moving into commercial electrical work get this book *Arch. Utilities 2: Elec. & Mech. Equip. , Architectural & Const. Data* George Salinda Salvan, 2000 **Aviation unit maintenance including repair parts for tool set company size, set no. 2 airmobile, (NSN 4920-00-567-0476), (LIN W60206).** ,1978 **Organizational Maintenance Manual** ,1992 **Electrical Systems for Power and Light** Joseph F. McPartland, 1964 **Electrical Design Details** Joseph F. McPartland, William J. Novak, 1983 **How to Design Electrical Systems** Joseph F. McPartland, 1968 [Index of Specifications and Standards](#) ,1988 **Handbook of Practical Electrical Design** Joseph F. McPartland, Brian J. McPartland, 1999 The National Electrical Code is being updated for 1999 and this book is intended to allow electrical construction professionals to keep up with the new code **National Electrical Code 2002 Handbook** Mark W. Earley, National Fire Protection Association, 2002 The No 1 electrical reference title is available from today s No 1 electrical publisher The single most important reference in the electrical industry NEC 2002 provides 100 percent of the information needed to meet code and avoid costly errors in electrical installations of all types [Building Technology](#) William J. McGuinness, Benjamin Stein, 1977-02-03 *The National Electrical Code Handbook* ,1989 **Publications** Westinghouse Electric & Manufacturing Company, 1897 **Electrical Design Guide for Commercial Buildings** William H. Clark, 1998-07-22 With this authoritative easy to follow guide you can design and specify electrical systems for virtually any commercial building easily efficiently and accurately You ll be able to submit lower bids foster greater client satisfaction and encounter fewer problems during construction *Electrical Design Guide for Commercial Buildings* shows you step by step how to organize layout and circuit and complete the design of electrical power and telephone communications systems for commercial and industrial buildings Whether pro or novice you ll find the key to better faster and cheaper electrical design for commercial buildings inside this book **Electrical Construction and Maintenance** ,1989 **Newark Electronics** ,2009 **Industrial Electrical Wiring** John E. Traister, 1997 A one stop how to resource covering today s most demanding industrial systems *Industrial Electrical Wiring Design Installation and Maintenance* Written by one of the foremost authorities in electrical construction this timely guide fills a long standing need for up to date information and advice on systems in small medium and large industrial buildings and facilities Offering clear concise guidelines throughout this authoritative book **COVERS** the essentials of codes standards and print reading **SHOWS** how to design and implement actual

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*The National Electrical Contractor* ,1944      **Selected Reprints of Articles on Physics Buildings** American Association of Physics Teachers,American Institute of Physics,1959

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