**Power Connection**

**OPEN-CLASS MOUNTING:** This equipment is intended for field installation within a UL-listed enclosure.

* Use copper conductors only:
  - 115/230 VAC ~ 50/60 Hz, 3 VA
  - 24 V DC 1.0 W

- **AC MAINS**
- **WHITE NEUTRAL**
- **BLACK HOT**
- **GREEN EARTH GROUND**

**Line Voltage Selector**

**24 VDC**

**Use care when attaching power wiring (AC or DC) to these connectors. They are not to be used as a strain relief. The connectors cannot withstand excessive bending or flexing.**

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**Mechanical**

- **OPEN-CLASS MOUNTING DIMENSIONS**
  - 0.33 (8)
  - 8.0 (203)
  - 7.625 (194)
  - 0.19 (5)

- **ENCLOSED-CLASS MOUNTING DIMENSIONS**
  - 2.75 (70)
  - 7.5 (191)
  - 6.5 (165)
  - 8.5 (216)
  - 6.67 (170)

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**b-Link**

**Schneider Electric**
**Signal Connection**

**RS485 Connections**

- RS485 4000 ft (max.)
- RS485 1219 m (max.)

**Wiring Rules**
- High voltage AC Power wiring should be routed to the conduit opening nearest the AC power terminals.
- Do not bundle or route AC Power wiring with low voltage input or output wiring.
- Be absolutely certain that your installation complies with all aspects of the National Electric Code, NFPA 70. Be especially sure that your system is properly grounded.

**Cable Recommendations:**
- RS-485: 22-24 AWG bunched, twisted-pair cable with braided shield
- Impedance: 100 ohms
- Capacitance: 17 pF/ft or lower

**Building Ground Requirements**
Be sure that all equipment from Schneider Electric is grounded to true earth ground. True Earth ground protects the equipment from transients and other power surges in the area. Special studs are pressed into the inside of the chassis for use as a ground connection.

We cannot guarantee that the controller system will operate as documented without a properly grounded installation.

An example of a sub-standard ground is a galvanized steel cold water pipe. As the pipe corrodes, it does not act as a true ground. The corrosion acts as an insulator, raising the potential of the pipe with respect to the ground.

**Caution:** Earth ground (+) must be connected to avoid module damage.

**RS232 Connections**

- POWER indicates that the proper power is applied to the unit.

**Communications Baud Rate**

To select a baud rate, slide the appropriate switch to the right.

**Warning:** Only one switch may be activated at a time. If no switch is selected unit will not operate.

All connected network rates must be the same.

**System Indicators/Controls**

- PIN 1: CHASSIS GROUND
- PIN 2: TRANSMIT DATA
- PIN 3: RECEIVE DATA
- PIN 4: ENABLE
- PIN 7: SIGNAL GROUND
- PIN 9: +12VDC @ 25mA
- PIN 10: -12VDC @ 25mA
- PIN 20: ENABLE