

Camlock Connection Switch Specification Document

PART 1 – GENERAL

1.1 SUMMARY

A. Section Includes:

1. Camlock Connection Switch Specifications

B. Related Sections:

1. Division 00 – Bidding Requirements
2. Division 01 – General Requirements
3. Section 26 00 00 – Electrical: Basic Requirements

1.2 QUALIFICATIONS

- A. Camlock Connection Switch manufacturer shall provide a complete factory assembled unit.

1.3 SUBMITTALS

A. Shop Drawings

1. Product technical data:

- a. Product dimensions with front and side elevation views
- b. Enclosure type
- c. Connection details

1.4 WARRANTY

A. Factory Warranty

1. Camlock Connection Switch shall be covered by a manufacturer's warranty for a period of one (1) year from date of shipment from the manufacturer.

PART 2 – PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Power Assemblies LLC.
- B. No Substitutions

2.2 CAMLOCK CONNECTION BOXES

A. GENERAL

1. Camlock Connection Switches are defined as complete switching units with male camlocks input or female output connectors wired to a switch for quick connection use.
2. In the event the Contractor is furnishing the Camlock Connection Switch, the Contractor shall be responsible for the equipment until it has been installed, inspected, tested and accepted in accordance with the requirements of the specifications.

B. CONSTRUCTION

1. All equipment shall be new.
2. Camlock Connection Switch enclosure shall be NEMA 3R.
 - a. Unit shall be constructed of carbon steel coated or aluminum.
 - b. Wall mount type enclosures will have mounting holes in back of enclosure for mounting and mounting hardware shall be included.
 - c. NEMA 3R units shall protect against water entry.
 - d. CAM connectors shall be UL/CSA Listed single-pole and rated at 400 amps at 600VAC. CAM connectors shall be color coded to visualize appropriate voltages.

CAM connectors shall be provided for each phase in the appropriate configuration to support required amperage and provided for neutral if required.

C. ENCLOSURE

1. Mount: Wall Mount or Pad Mount
2. Material: Carbon Steel or Aluminum
3. Finish: ANSI 61 Gray or Uncoated Aluminum
4. Additional Requirements
 - a. NEMA Type 3R

PART 3 – EXECUTION

3.1 INSTALLATION

A. Procedures for Installation

1. Prior to installation of the camlock connection switch Contractor shall examine the areas and conditions under which the camlock connection switch is to be installed and notify the Engineer in writing if unsatisfactory conditions exist.
2. Camlock connection switch shall be installed as shown on the drawings. In addition, the installation shall:
 - a. Meet the requirements of local codes, the National Electrical Code and National Electrical Contractors Association's "Standard of Installation."
 - b. Only use copper wire conductors for all field wiring.
 - c. All terminations must be torqued according to the label provided.