

06/02/06

Specification Number: 26 28 16.11

Product Name: DISCONNECT SWITCHES - DOUBLE THROW

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DISCONNECT SWITCHES - DOUBLE THROW

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Double throw switches shall be furnished and installed at locations as shown on the drawings. Switches shall be of the type approved, indicated and specified herein.

1.02 REFERENCES

Double throw switches shall be manufactured in accordance with the following standards.

- A. UL 98 - Enclosed Switches
- B. NEMA KS 1 - Enclosed Switches
- C. NEMA 250 - Enclosures for Electrical Equipment

1.03 SERVICE ENTRANCE

- A. Double throw switches identified for use as service equipment are to be labeled for this application.

1.04 DRAWINGS

- A. Provide outline drawings with dimensions, and equipment ratings for voltage, amperage and short circuit.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Double throw switches shall be manufactured by Square D Company [no equal] [or approved equal].

2.02 SWITCH INTERIOR

- A. All switches shall have switch blades which are visible when the switch is OFF and the cover is open.
- B. Lugs shall be front removable and UL Listed for aluminum or copper [60° C or 75° C conductors (30-100 Ampere)] [75° C conductors (200 - 600 Ampere)].
- C. All current carrying parts shall be plated to resist corrosion.

2.03 SWITCH MECHANISM

- A. Switch operating mechanism shall be [quick-make, quick-break (60,100 and 200 ampere, 2-pole and 3-pole devices)] [slow-make, slow-break (30,400 and 600 ampere; and 60,100 and 200 ampere 4-pole devices)].
- B. Provisions for padlocking the switch in the OFF position with at least three padlocks shall be provided.
- C. 60, 100 and 200 ampere, 2-pole and 3-pole Type 1 devices shall be supplied with a quick make, quick break dual cover interlock mechanism to prevent opening of the switch cover when the switch is ON and prevent turning the switch ON when the cover is open. The interlock mechanism shall be capable of being bypassed by use of a special key supplied with the device.

2.04 SWITCH ENCLOSURES

- A. Switch covers shall be [attached with welded pin-type hinges (Type 1)] [top hinged, attached with removable screws and securable in the open position (Type 3R)].
- B. The switch enclosure shall be finished with [gray baked enamel paint which is electrodeposited on cleaned, phosphate pre-treated steel (Type 1)] [gray baked enamel paint which is electrodeposited on cleaned, phosphate pre-treated galvanized steel (Type 3R)].
- C. The enclosure shall be supplied with a metal nameplate which includes ON-OFF-ON markings.
- D. All switches shall be provided with tangential knockouts to facilitate ease of conduit entry.
- E. Switches in Type 3R enclosures through 200 Ampere shall have provisions for interchangeable bolt-on hubs in the top endwall. Hubs shall be Square D B-Type hubs sized as indicated on the plans.

2.05 SWITCH RATINGS

The UL Listed short circuit current rating of the double throw switches shall be: [10,000 rms symmetrical amperes when protected by Class H or K fuses]. [100,000 rms symmetrical amperes when protected by Class R fuses (60-200 ampere, 240 volt, 2-pole and 3-pole switches employing appropriate fuse rejection schemes)].

PART 3 EXECUTION

NOT USED

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END OF SECTION