

Electrical – Wiring Devices
Section 26 27 26

PART 1 GENERAL

1.1 RELATED REQUIREMENTS

- .1 Section 26 05 00 – Electrical – Common Work Results for Electrical
- .2 Section 26 05 20 – Wire and Box Connectors
- .3 Section 26 05 21 – Wire and Box Connectors (0-1000 V)
- .4 Section 26 05 22 – Connectors and Terminations

1.2 REFERENCE STANDARDS

- .1 CSA Group
 - .1 CSA-C22.2 No.111, General-Use Snap Switches (Bi-national standard, with UL 20, twelfth edition).

1.3 DOCUMENTS/SAMPLES TO BE SUBMITTED FOR APPROVAL/INFORMATION

- .1 Data Sheets
 - .1 Submit manufacturer's instructions, printed product literature and data sheets for panel boards. The data sheets shall include product characteristics, performance criteria, dimensions, finish and operation limits.

PART 2 PRODUCT

2.1 GENERAL

- .1 Ensure that all wiring products are from the same manufacturer.

2.2 600 VAC POWER RECEPTACLES

- .1 600 V, 200 A receptacle shall be outdoor type, Killark model VR20422 or equivalent approved, NEMA 4X stainless steel.
- .2 The 600 V receptacles shall comply with CSA C22.2 No. 182.1

2.3 120 VAC RECEPTACLES

- .1 Not required

2.4 SAFETY SWITCHES

- .1 Provide safety switches as shown on drawings, with the following ratings
 - .1 As shown on drawings
 - .2 600 Vac

1

Electrical – Wiring Devices
Section 26 27 26

- .3 3 poles
- .4 Non-fusible
- .5 Mechanical lugs suitable for copper conductors
- .2 Construction
 - .1 Stainless steel NEMA 4X enclosure for outdoor installation.
 - .2 Switch blades shall be readily visible in the ON and OFF position, switch contacts shall be plated copper
 - .3 Switches shall have a red handle that is easily padlockable with three 3/8-inch shank locks in the OFF position
 - .4 Switches shall have defeatable door interlocks that prevent the door from opening when the handle is in the ON position. Defeater mechanism shall be front accessible
 - .5 Switches shall have deionizing arc chutes
 - .6 Switch assembly and operating handle shall be an integral part of the enclosure base.
 - .7 Switches shall have line terminal shields to avoid accidental contact between two poles.
 - .8 Embossed or engraved ON-OFF indication shall be provided
 - .9 When indicated on drawings, receptacles shall be supplied with Twist Lock connector.

2.5 MANUAL TRANSFER SWITCH

- .1 The manual transfer switch is a bidirectional interrupter. Its characteristics are the following:
 - .1 600 Vac, 200 A
 - .2 3 poles
 - .3 Non-fusible
 - .4 Mechanical lugs suitable for copper conductors
- .2 Construction
 - .1 NEMA 1 enclosure.
 - .2 Switch blades shall be readily visible in the ON and OFF position, switch contacts shall be plated copper
 - .3 Switches shall have a red handle that is easily padlockable with three 3/8-inch shank locks in the OFF position
 - .4 Switches shall have defeatable door interlocks that prevent the door from opening when the handle is in the ON position. Defeater mechanism shall be front accessible
 - .5 Switches shall have deionizing arc chutes
 - .6 Switch assembly and operating handle shall be an integral part of the enclosure base.
 - .7 Switches shall have line terminal shields to avoid accidental contact between two poles.

Electrical – Wiring Devices
Section 26 27 26

- .8 Embossed or engraved OFF-ON-OFF indication shall be provided.

PART 3 EXECUTION

3.1 SAFETY SWITCHES AND 600 V RECEPTACLES

- .1 Install safety switches with handle in "UP" position when switch closed.
.2 Install safety switches as indicated on drawings.



3.2 MANUAL TRANSFER SWITCH

- .1 The manual transfer switch is installed in a NEMA 4X cabinet.

3.3 QUALITY CONTROL

- .1 Quality control shall conform to Section 26 05 00 – Electrical – Common Work Results for Electrical.
.2 Check working condition of receptacles and switches.

END OF SECTION