

Charlotte Area Transit System / Commodities & Goods

DC Pad Mounted Disconnect Equipment Purchase

The current Blue Line (BL) Traction Power Substation's Pad Mounted Disconnect DC Switchgear, (eight (8)), was put into service 16 years ago on November 4, 2007. The Maintenance of Way (MOW) department has exhausted its in-house spare parts for this system, which has become obsolete. The pad-mounted disconnect DC switchgear for the BL is required for a mid-life refresh. MOW is upgrading and refreshing the Pad Mounted Disconnect DC Switchgear equipment for the BL. Scope:

Vendor will provide nine (9) 2kA pad-mounted DC disconnect switch line-ups at the locations specified in the drawings. All disconnect switch line-ups shall be pre-assembled and include the following components:

Exterior operating handle (for manual operation, pad-lockable in both the open and closed positions) 2kA rated bolted pressure switch Glastic standoff insulators Mechanical lugs 500 MCM mechanical lugs Switch control circuit boards Copper bus to switches Limit switch for remote indication Solenoid interlock "MAC" switch nameplate with switch serial number and rating AC Relays

The Pad Mounted Disconnect DC Switchgear is designed for installation on a concrete pad outdoors. It allows for the isolation of a power circuit by physically disconnecting the conductors, functioning as a large, weatherproof switch that can be operated safely without exposing live parts to the environment. PSR # 1816

Details

Posting Number Anticipated Posting Date Commodity Code(s): 2025-Q1(Jan-Mar)-CATS-16707 2025-03-15 28567, 28579

Requirements

Last Updated: 01/28/25

For Questions, Contact:

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