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| 1. **GENERAL DATA AND INFORMATION:**  |  |  |  |  | | --- | --- | --- | --- | | Reference Panel | (=D10) – SPARE FEEDER | CT supervision setting | 12V | | Under testing Panel | (=D08) – GT-3 | Bus Bar Relay | REC 670 | | CT ratio: | 2000/1 | Current setting : | 1440 A |  1. **STABILITY TEST :**   **BUS BAR DISC. ZONE (LCC PANEL) : ZONE (1B)**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Phase** | **Primary**  **Current**  **(A)** | **Reference Panel (=D10)** | | | | | | | | **Testing Panel (=D08)** | | | | | | | | | **Location: CTX5** | | | | | | | | **Location: CTX5** | | | | | | | | | **R:2** | | **Y:4** | | **B:6** | | **N:7** | | **R:2** | | **Y:4** | | **B:6** | | **N:7** | | | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | | **R** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **Y** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **B** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   **BUS BAR DISC. ZONE (BBP PANEL) : ZONE (1B)**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Phase** | **Primary**  **Current**  **(A)** | **BBP DISC. Zone Panel ( D00+R2 )** | | | | | | | | **BBP DISC. Zone Panel ( D00+R2 )** | | | | | | | | | | **Location: X1** | | | | | | | | **Location: X1** | | | | | | | | | | **R :1** | | **Y: 3** | | **B: 5** | | **N: 7** | | **R:11** | | **Y:13** | | **B:15** | | **N:17** | | | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | | **R** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **Y** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **B** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Phase** | **Primary**  **Current**  **(A)** | **Location: Metrosil** | | | | | | **Location: Series Resistor** | | | | | | | | **R: U1** | | **Y: U2** | | **B: U3** | | **R: R1** | | **Y: R2** | | **B: R3** | | | | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | | **R** |  |  |  |  |  |  |  |  |  |  |  |  |  | | **Y** |  |  |  |  |  |  |  |  |  |  |  |  |  | | **B** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Phase** | **Primary**  **Current**  **(A)** | **BBP DISC. Zone Panel ( D00+R2 )** | | | | | | **BBP DISC. Zone Panel ( D00+R2 )** | | | | | | | | **Location: Shunt Resistor** | | | | | | **Location: Main relay (REC670) -X101** | | | | | | | | **R: SHR1** | | **Y: SHR2** | | **B: SHR3** | | **R: 1-2** | | **Y: 3-4** | | **B: 5-6** | | | | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | | **R** |  |  |  |  |  |  |  |  |  |  |  |  |  | | **Y** |  |  |  |  |  |  |  |  |  |  |  |  |  | | **B** |  |  |  |  |  |  |  |  |  |  |  |  |  |  1. **SENSITIVITY TEST :**   **BUS BAR DISC. ZONE (LCC PANEL) : ZONE (1B) SWAP IN (=D10)**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Phase** | **Primary**  **Current**  **(A)** | **Reference Panel (=D10)** | | | | | | | | **Testing Panel (=D08)** | | | | | | | | | **Location: CTX5** | | | | | | | | **Location: CTX5** | | | | | | | | | **R:2** | | **Y:4** | | **B:6** | | **N:7** | | **R:2** | | **Y:4** | | **B:6** | | **N:7** | | | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | | **R** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **Y** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **B** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   **BUS BAR DISC. ZONE (BBP PANEL) : ZONE (1B)**   |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Protection** | | **Setting**  **Voltage (V)** | **Pick Up** | | | | **Current (mA)** | | | | | | **Primary Current (A)** | **Secondary Current (mA)** | **Voltage (V)** | **T.B. Current** | **CT Supvn REC670** | **REC670** | | | **Metrosil** | | **Series** | **Shunt** | **REC670** | | **Bus Diff.**  **Relay**  **REC670** | **R** | **120** |  |  |  |  |  |  |  |  |  | | **Y** | **120** |  |  |  |  |  |  |  |  |  | | **B** | **120** |  |  |  |  |  |  |  |  |  |  1. **SENSITIVITY TEST :**   **BUS BAR DISC. ZONE (LCC PANEL) : ZONE (1B) SWAP IN (=D08)**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Phase** | **Primary**  **Current**  **(A)** | **Reference Panel (=D10)** | | | | | | | | **Testing Panel (=D08)** | | | | | | | | | **Location: CTX5** | | | | | | | | **Location: CTX5** | | | | | | | | | **R:2** | | **Y:4** | | **B:6** | | **N:7** | | **R:2** | | **Y:4** | | **B:6** | | **N:7** | | | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | | **R** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **Y** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **B** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   **BUS BAR DISC. ZONE (BBP PANEL) : ZONE (1B)**   |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Protection** | | **Setting**  **Voltage (V)** | **Pick Up** | | | | **Current (mA)** | | | | | | **Primary Current (A)** | **Secondary Current (mA)** | **Voltage (V)** | **T.B. Current** | **CT Supvn REC670** | **REC670** | | | **Metrosil** | | **Series** | **Shunt** | **REC670** | | **Bus Diff.**  **Relay**  **REC670** | **R** | **120** |  |  |  |  |  |  |  |  |  | | **Y** | **120** |  |  |  |  |  |  |  |  |  | | **B** | **120** |  |  |  |  |  |  |  |  |  |  1. **STABILITY TEST :**   **BUS BAR DISC. ZONE (LCC PANEL) : ZONE (2B)**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Phase** | **Primary**  **Current**  **(A)** | **Reference Panel (=D10)** | | | | | | | | **Testing Panel (=D08)** | | | | | | | | | **Location: CTX5** | | | | | | | | **Location: CTX5** | | | | | | | | | **R:2** | | **Y:4** | | **B:6** | | **N:7** | | **R:2** | | **Y:4** | | **B:6** | | **N:7** | | | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | | **R** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **Y** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **B** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   **BUS BAR DISC. ZONE (BBP PANEL) : ZONE (2B)**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Phase** | **Primary**  **Current**  **(A)** | **BBP DISC. Zone Panel ( D00+R2 )** | | | | | | | | **BBP DISC. Zone Panel ( D00+R2 )** | | | | | | | | | | **Location: X1A** | | | | | | | | **Location: X1A** | | | | | | | | | | **R :1** | | **Y: 3** | | **B: 5** | | **N: 7** | | **R: 11** | | **Y: 13** | | **B: 15** | | **N: 17** | | | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | | **R** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **Y** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **B** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Phase** | **Primary**  **Current**  **(A)** | **Location: Metrosil** | | | | | | **Location: Series Resistor** | | | | | | | | **R : U1** | | **Y: U2** | | **B: U3** | | **R: R4** | | **Y: R5** | | **B: R6** | | | | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | | **R** |  |  |  |  |  |  |  |  |  |  |  |  |  | | **Y** |  |  |  |  |  |  |  |  |  |  |  |  |  | | **B** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Phase** | **Primary**  **Current**  **(A)** | **BBP DISC. Zone Panel ( D00+R2 )** | | | | | | **BBP DISC. Zone Panel ( D00+R2 )** | | | | | | | | **Location: Shunt Resistor** | | | | | | **Location: Main relay (REC670) -X101** | | | | | | | | **R: SHR4** | | **Y: SHR5** | | **B: SHR6** | | **R: 1-2** | | **Y: 3-4** | | **B: 5-6** | | | | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | **I(mA)** | **V** | | **R** |  |  |  |  |  |  |  |  |  |  |  |  |  | | **Y** |  |  |  |  |  |  |  |  |  |  |  |  |  | | **B** |  |  |  |  |  |  |  |  |  |  |  |  |  |  1. **SENSITIVITY TEST :**   **BUS BAR DISC. ZONE (LCC PANEL) : ZONE (2B) SWAP IN (=D10)**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Phase** | **Primary**  **Current**  **(A)** | **Reference Panel (=D10)** | | | | | | | | **Testing Panel (=D08)** | | | | | | | | | **Location: CTX5** | | | | | | | | **Location: CTX5** | | | | | | | | | **R:2** | | **Y:4** | | **B:6** | | **N:7** | | **R:2** | | **Y:4** | | **B:6** | | **N:7** | | | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | | **R** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **Y** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **B** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   **BUS BAR DISC. ZONE (BBP PANEL) : ZONE (2B)**   |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Protection** | | **Setting**  **Voltage (V)** | **Pick Up** | | | | **Current (mA)** | | | | | | **Primary Current (A)** | **Secondary Current (mA)** | **Voltage (V)** | **T.B. Current** | **CT Supvn REC670** | **REC670** | | | **Metrosil** | | **Series** | **Shunt** | **REC670** | | **Bus Diff.**  **Relay**  **REC670** | **R** | **120** |  |  |  |  |  |  |  |  |  | | **Y** | **120** |  |  |  |  |  |  |  |  |  | | **B** | **120** |  |  |  |  |  |  |  |  |  |  1. **SENSITIVITY TEST :**   **BUS BAR DISC. ZONE (LCC PANEL) : ZONE (2B) SWAP IN (=D08)**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Phase** | **Primary**  **Current**  **(A)** | **Reference Panel (=D10)** | | | | | | | | **Testing Panel (=D08)** | | | | | | | | | **Location: CTX5** | | | | | | | | **Location: CTX5** | | | | | | | | | **R:2** | | **Y:4** | | **B:6** | | **N:7** | | **R:2** | | **Y:4** | | **B:6** | | **N:7** | | | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | **I(mA)** | **Φ°** | | **R** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **Y** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **B** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   **BUS BAR DISC. ZONE (BBP PANEL) : ZONE (2B)**   |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Protection** | | **Setting**  **Voltage (V)** | **Pick Up** | | | | **Current (mA)** | | | | | | **Primary Current (A)** | **Secondary Current (mA)** | **Voltage (V)** | **T.B. Current** | **CT Supvn REC670** | **REC670** | | | **Metrosil** | | **Series** | **Shunt** | **REC670** | | **Bus Diff.**  **Relay**  **REC670** | **R** | **120** |  |  |  |  |  |  |  |  |  | | **Y** | **120** |  |  |  |  |  |  |  |  |  | | **B** | **120** |  |  |  |  |  |  |  |  |  | |