

MULTIFUNCTIONAL DEVICE TracFeed® DCP3

PROTECTION AND CONTROL FOR DC SWITCHGEAR PANELS

English

OVERVIEW

TraceFeed® DCP3 is a powerful system platform designed for the universal application of providing protection as well as carrying out controlling, monitoring and measurement tasks in DC switchgear panels for DC traction railway systems.

It is the third generation of the very successful device family TracFeed® DCP.

Advantages: The hardware is interchangeable with DCP1x6 as well as TracFeed® DCP2 series units.

NEW: IEC61850 communication standard capability.

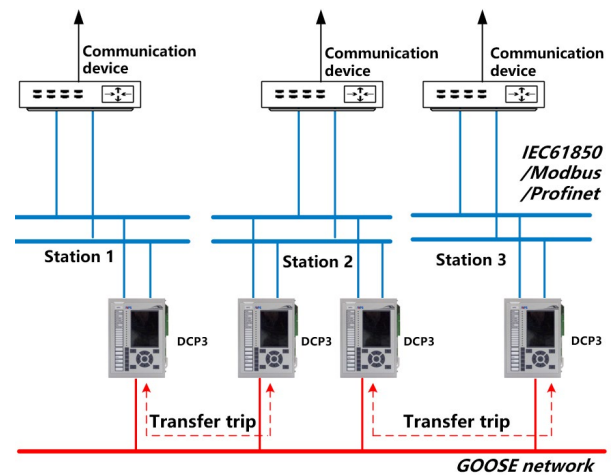


FUNCTIONS

- Instantaneous Overcurrent protection (76_1)
- Overcurrent protection (76_2)
- Current Rate of Rise protection (ROR)
- Thermal Overload protection (26)
- Overvoltage protection (59)
- Undervoltage protection (27)
- Breaker Failure supervision (72BF)
- Rectifier Current supervision (76R)
- Touch Voltage supervision (64U)
- Frame Leakage Current protection (64I)
- Cable supervision (64C)
- Line Test (3LT)
- Fast Line Test (3LTF)
- Normalised value with timetag: Records feeder current and voltage when the threshold is exceeded.
- Control and supervision: Supports all control and monitoring functions that are required for DC power supply applications.
- Event recorder (internal): protection list & warning list up to 127 events, 16 Disturbance records with COMTRADE format, which can be analyzed with the analysis software. "Unlimited" external USB storage.
- Time synchronization with IRIG-B
- Communication interface: 3 Ethernet ports, 2 serial ports
- Protocol: IEC61850, IEC60870-5-103/104, Modbus, ModbusTCP, Profinet
- Storage: 1 USB 2.0 (type A) and SSD (optional)
- Embedded Webserver
- Programmable KFlogic function in accordance with standard IEC61131-3.

IEC61850

- The TracFeed® DCP3 multifunctional device supports the MMS & GOOSE service of communication networks and systems in traction substations based upon the IEC 61850 standard. Transfer trip and necessary interlocking functions for bay interlocking, as well as overall substation interlocking, can be handled with GOOSE service.



SIDE VIEW



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