

TA21 Traction Substation

This traction substation offers high applicability and reliability. It is designed for easy operation, extensibility, and maintenance in various infrastructure applications.



System Overview

Integrated Traction Substation System

The TA21 Traction Substation is an advanced, integrated automation system designed for reliable infrastructure management. Utilizing a hierarchical and distributed network structure, it incorporates protection, measurement, control, and safety video monitoring. It is specifically engineered for diverse traction substation environments, including zoning, opening, and closing operations.

Technical Components

Integrated Modules

- Protection, measurement, and control unit
- Local monitoring unit
- Remote communication unit
- Safety (video) monitoring unit

Core Processor

32-bit embedded microcontroller

Key Features

Core Functionality

Hierarchical distributed network, Disaster alarm function, Real-time image monitoring, Man-machine interface, Scheduling center exchange

Applications

Deployment Scope

Traction Substation • Zoning • Open and Close Stations