Voltage Metering for Medium-Voltage Switchgear

Indoor cubicle-mounted VT set with application-specific selection

Management Systems & Reference Standards

SPRINT TECHNOLOGY LLC	SPRINT TECHNOLOGY LLC	SPRINT TECHNOLOGY LLC	PRODUCT STANDARD	PRODUCT STANDARD
ISO 9001:2015	**ISO 14001:2015**	**ISO 45001:2018**	**IEC 61869-1**	**IEC 61869-3**
Quality management system	Environmental management system	Occupational health & safety management system	General requirements	Inductive VTs

ISO: Sprint Technology LLC management systems only. IEC: reference standards; no product certification implied.



Product illustration. Configuration varies.

Technical Specifications

Product Name	Metering voltage transformer set
Set Configuration	Three VTs per set
Application	MV voltage metering
Mounting	Indoor; inside MV cubicle
Supply Scope	Accessories and connections
System Voltage	Matched to the application
Primary Voltage	Application-specific
Secondary Voltage	Application-specific
Accuracy Class	To suit metering requirement
Rated Burden	To suit connected meters
Secondary Windings	To suit metering scheme
Voltage Factor	To suit system earthing / duty
Insulation Levels	Per network and cubicle
Frequency	Per service requirement
Construction	Per selected model data

Product Overview

Sprint metering voltage transformer sets are configured for voltage measurement in medium-voltage switchgear.

Each set comprises three VTs, with accessories and connections for installation inside the MV cubicle.

Ratios, accuracy, burden and insulation are selected to suit the network and metering scheme. Final construction and ratings are defined by the selected model.

Configuration Options

- Primary and secondary voltage ratios
- Metering accuracy and burden per winding
- Winding configuration and metering scheme
- Phase connection and secondary earthing
- Voltage factor and insulation coordination
- Frequency and service conditions
- Fusing, isolation and test-link arrangements
- Cubicle mounting and termination interfaces

Supply Scope

- Set of three metering voltage transformers
- Mounting and interface components
- Accessories required for cubicle integration
- Connections required for the VT assembly

Application Selection

- Ratios matched to the actual network voltage
- Insulation coordinated with the cubicle
- Dimensions checked against the cubicle layout
- Burden coordinated with connected meters
- Connections matched to the metering scheme
- Final ratings defined by selected model data

Typical Applications

Renewable Energy · Mining & Steel · Data Centre · Industrial Plants · Oil & Gas