



Abbreviations

A

- AC – Accuracy Class
- APD – Asset Protection Devices
- ASTM – American Society for Testing and Materials

B

- BBPL – Broad Band Power Line

C

- C&I – Control and Instrumentation
- CB – Circuit Breaker
- CoS – Class of Service
- CTC – Continuously Transposed Conductor

D

- DGA – Dissolved Gas Analysis
- DIL – Design Insulation Level
- DP – Degree of Polymerisation
- DSCP – Differentiated Services Code Point

E

- EEG – Erneuerbare Energien Gesetz (Law on)

F

- FWLI – Full Wave Lightning Impulse

G

- GaAs – Gallium Arsenide
- GC – Gas Chromatograph
- GIC – Geo-magnetic Induced Currents
- GIS – Gas-insulated Switchgear

H

- HPLC – High Performance Liquid Chromatography
- HSR – High-availability Seamless Redundancy
- HV – High Voltage
- HVAC – Heat, Ventilation, Air Conditioning

I

- IEC – International Electrotechnical Commission
- IEEE – Institute of Electrical and Electronics Engineers
- IFT – Inter Facial Tension
- IP – Internet Protocol
- ISO – International Standards Organisation

L

- LV – Low Voltage

M

- MAC – Media Access Control
- Mcb – Mini circuit breaker
- MCC – Motor Control Centre
- MEBB – Main Equipotential Bonding Bar
- MV – Medium Voltage
- MVA – MegaVolt Amperes

N

- NEMA – National Electrical Manufacturers Association
- NFPA – National Fire Protection Association
- NOAA – National Oceanic and Atmospheric Administration
- NTP – Network Time Protocol

O

- ODAF – Oil, Directed Air, Forced
- OEM – Original Equipment Manufacturer
- OFAF – Oil Forced Air Forced
- OHSA – Occupational Health and Safety Act
- OIP – Oil Impregnated Paper
- ONAF – Oil Natural Air Forced
- ONAN – Oil Natural Air Natural
- OSHA – Occupational Safety and Health Standards

P

- P&G – Provisional and General
- PCB – PolyChlorinated Biphenyl
- PCDD – PolyChlorinated Dibenzo Dioxins
- PCDF – PolyChlorinated Dibenzo Furanes
- PF – Power Factor
- PFC – Power Factor Correction
- PM – Preventative Maintenance
- Ppb – Parts per billion
- PPE – Personal Protection Equipment
- Ppm – Parts per minute
- PQ – Power Quality
- PRP – Parallel Redundancy Protocol
- PTP – Precision Time Protocol
- PTT – Press-to-Test

R

- RE – Renewable Energy
- RIP – Resin Impregnated Paper
- RMS – Root Mean Square
- RMU – Ring-Main Unit
- RSTP – Rapid Spanning Tree Protocol
- RTU – Remote Terminal Unit

S

- SAIDI – Systems Average Interruption Duration Index
- SCADA – Supervisory Control and Data Acquisition
- SMT – Surface Mount Technology
- SPD – Surge Protection Device

T

- TCP – Transmission Control Protocol
- TLC – Thin Layer Chromatography
- TOC – Total Owning Cost
- TVSS – Transient Voltage Surge Suppressor

U

- UPS – Uninterruptible Power Supply

V

- VFD – Variable Frequency Drive
- VFT – Very Fast Transient
- VFTO – Very Fast Transient Overvoltage
- VLAN – Virtual Local Area Network
- VSD – Variable Speed Drive

W

- WFQ – Weighted Fair Queuing
- WIMAX – Worldwide Inter-operability Microwave Access

Advertisers

Allbro	IFC, 47	Energy Cybernetics	Bookmark	Powertech	22
Ampcontrol	8	Engen	66, 67	SEL South Africa	45
Becker Mining Systems	32, 33	Helukabel	37	Surgetek	76
CBI-electric: african cables	25	Impact Energy	4, 5	Timecount	65
Copper Development Association Africa (CDA)	19	JB Switchgear Solutions	29	Trans Electron	2
Cummins Power Generation	42, 43	Jojen Supplies	49	Voltex	IBC
DEHN Protection South Africa	41	Megger	OBC	Wilec	11
Efficient Engineering	29	Northern Technologies South Africa (NTSA)	36		