

The Optimum Electrical Engineering Design Solutions for Consulting Engineers

- ✓ AS/NZS3000:2007 Amdt 1 2009 Compliance Checking
- ✓ Now includes latest AS/NZS3008.1.1:2009 Standard
- ✓ Now includes latest AS/NZS3008.1.2:2010 Standard
- ✓ Now includes support for 690Volt and 1000Volt systems
- ✓ Now with **SCHÄFFNER** Active Filters
- ✓ Quality Service and Support



NEW - Now Includes

 **Allen-Bradley Variable Speed Drives**

PowerCad-5™ Features

- Cable Voltage Drop Calculations
- Circuit Breaker Selection
- Time/Current Co-ordination Curves
- Co-ordination Curve On Screen CB OCR Adjustment (dynamic)
- User Defined Time/Current Co-ordination Curves
- Selectivity/Cascading
- Maximum Demand
- Cable Thermal Stress
- Let Through Energy
- Cable Sizing
- Conduit Sizing
- Fault-loop Impedance
- Fault Level Calculations
- ARC Fault Check
- Single Line Diagram
- Harmonic Analysis
- Network Resonance Check
- Harmonic Mitigation
- Power Factor Correction
- Active Harmonic Filter Sizing
- Passive Harmonic Filter Sizing
- Substation Sizing
- Standby Generator Sizing
- Single Line Diagram Export to AutoCAD®
- L.V. Distribution Network Modelling
- Bus-Tie modelling
- Check metering modelling
- Automatic Mains and Submains Cable Selections
- Automatic Final Subcircuit Cable Sizing
- Variable Speed Drives
- Display Load Starting Current Profile
- AutoCAD® Interface for Loads Input
- Light Fitting and Motor Libraries
- Reports with Print Preview
- Direct Online Support
- Standards AS/NZS, IEE, BS, CP5 and IS (India)

Compliance Checking



clause 2.5.5.3 arcing fault clearing capacity of protective devices for feeds of 800amps and above



clause 2.5.7.2.3 supply circuit discrimination with option for checking protective devices less than 250amps



clause 5.3.3.1.1 protective earth conductor thermal stress check.



clause 5.7.4 earth system impedance check at 0.4s and 5 sec disconnect times

