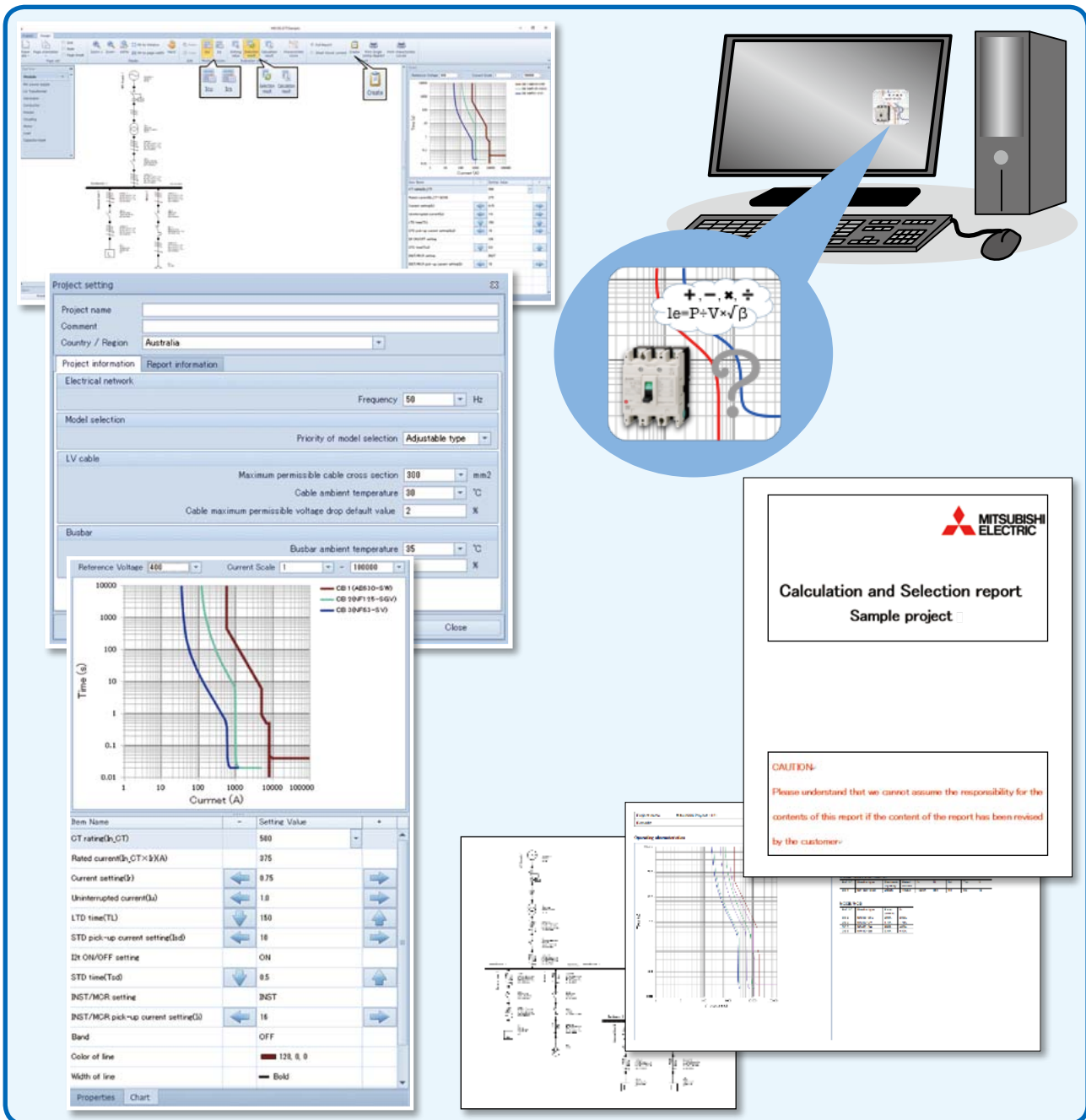


MELSELECT™

Short-circuit current calculation and model selection software

- MELSELECT is the software that calculates short circuit current and autoselects suitable products from Mitsubishi Electric ranges for circuit protection.



The image displays the MELSELECT software interface. On the left, a 'Project setting' dialog box is open, showing fields for Project name, Comment, Country/Region (Australia), and Frequency (50 Hz). Below this is a graph showing Time (s) on a logarithmic y-axis (0.01 to 10000) versus Current (A) on a logarithmic x-axis (1 to 100000). Three curves are plotted, representing different circuit breaker models: CB 1 (400V-5V), CB 2 (400V-5V), and CB 3 (400V-5V). Below the graph is a table of settings for a selected item:

Item Name	Setting Value
CT rating(I _n ,CT)	500
Rated current(I _n ,CT)×β(KA)	375
Current setting(I _s)	0.75
Uninterrupted current(I _u)	1.0
LTD time(T _L)	150
STD pick-up current setting(I _{sd})	16
I _n ON/OFF setting	ON
STD time(T _{sd})	0.5
INST/MCR setting	INST
INST/MCR pick-up current setting(I _{sd})	16
Band	OFF
Color of line	128, 0, 0
Width of line	Bold

On the right, a callout bubble shows a circuit breaker with the equation $I_e = P + V \times \sqrt{\beta}$ and a question mark. Below this, a 'Calculation and Selection report Sample project' is shown, featuring the Mitsubishi Electric logo and a 'CAUTION' section: 'Please understand that we cannot assume the responsibility for the contents of this report if the content of the report has been revised by the customer.' The report also includes a table of results and a graph of the calculation process.

MELSELECT simplifies the circuit design and improves the work rate!

● Registered Products

Low-voltage Power Distribution Products: ACBs, MCCBs, ELCBs, MCBs, Contactors, Thermal relays

● Features

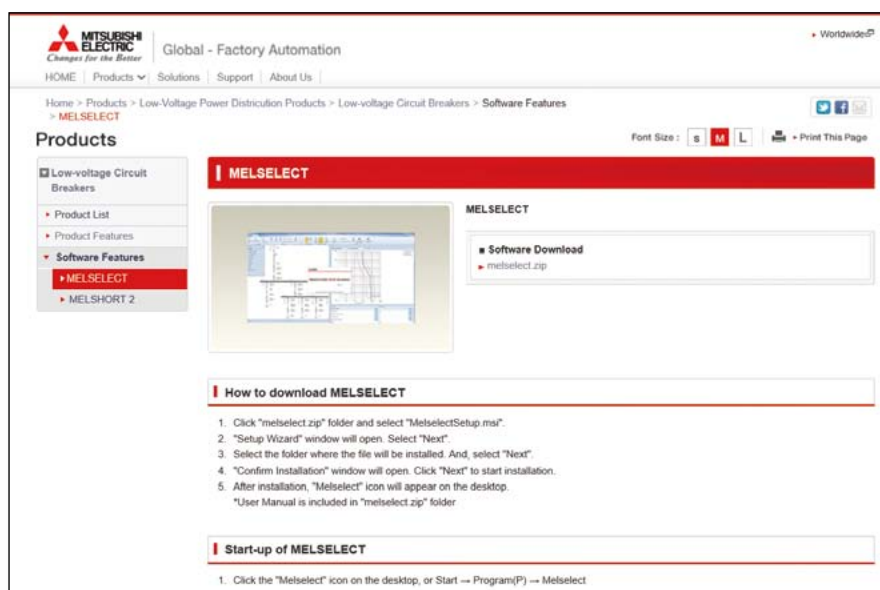
- Calculating short circuit current and auto-selecting the suitable combination of installation components from Mitsubishi Electric ranges.
- Outputting a report of calculation and selection results.
- Checking coordination by comparing the characteristics of the selected products.
- Multi-languages available. (Japanese, English, Chinese)
- Widely-used in the world. (57 countries and regions)
- Compatibility with Windows 10.
- IEC based SLD (Single Line Diagram) indication.
- Free software open to public on Mitsubishi Electric FA Global Website and off-line operating.

● System Requirements

- Operating system (OS): Microsoft Windows 10 (32/64 bit) Pro.
 - Microsoft .NET Framework: Microsoft .NET Framework 4.6.
- * Microsoft, Windows, .NET Framework and Word are registered trademarks of Microsoft Corporation in the United States and other countries.

● Download Link

<http://www.mitsubishielectric.com/fa/products/lvd/lvcb/smerit/melselect/index.html>



Home > Products > Low-Voltage power Distribution Products >
Low-voltage Circuit Breakers > Software Features



- * This software will be regularly updated.
- * MELSELECT is a trademark of Mitsubishi Electric Corporation.
- * QR code is a registered trademark of DENSO WAVE INCORPORATED.

MITSUBISHI ELECTRIC CORPORATION

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