

Fuse Size Calculator

Estimate an entered fuse reference and compare it with a selected fuse rating for qualified review.

Generated October 10, 2026

<https://www.elecatrix.com/testing-protection-grounding/fuse-size-calculator/>

Inputs

Input	Value	Unit
Load current	24	A
Entered fuse factor	125	%
Selected fuse rating	35	A
Source reference	fuse-record-a	

Results

Result	Value	Unit
Entered reference fuse current	30	A
Selected fuse rating	35	A
Rating margin	5	A
Rating margin	16.6667	%

Record comparison

Source reference recorded

Calculation details

Detail	Value	Unit
Calculation basis	The screen multiplies entered load current by the entered fuse factor and compares the selected rating.	
Boundary	Preliminary entered-value comparison only; no fuse class, interrupting rating, coordination, listing, or final protection result is made.	

Formulas

entered reference fuse current = load current x entered fuse factor / 100

rating margin = selected fuse rating - entered reference fuse current

rating margin percent = rating margin / entered reference fuse current x 100

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Warnings and limitations

Preliminary entered-value comparison only; verify fuse class, device data, interrupting rating, coordination, listing, adopted rules, and qualified review separately.