

Equipment Short Circuit Rating Calculator

Compare an entered equipment short-circuit rating with available fault current for a documented rating screen.

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<https://www.elecatrix.com/testing-protection-grounding/equipment-short-circuit-rating-calculator/>

Inputs

Input	Value	Unit
Equipment short-circuit rating	65000	A
Available fault current	42000	A

Results

Result	Value	Unit
SCCR margin	23000	A
Fault current as percent of SCCR	64.6154	%

Calculation details

Detail	Value	Unit
Rating comparison	Entered equipment rating is above available fault current.	
Calculation basis	Rating comparison uses entered available fault current and entered rating on the same system basis.	
Review boundary	Entered SCCR screen only; no UL method, series combination, current-limiting let-through, panel approval, equipment listing, or compliance result is made.	

Formulas

rating margin = entered rating - available fault current

fault current percent of SCCR = available fault current / entered rating x 100

Warnings and limitations

Entered SCCR screen only; this worksheet does not approve equipment short-circuit rating, UL method, series combination, current-limiting let-through, panel approval, equipment listing, or compliance.