

SCCR Calculator

Compare entered component SCCR with available fault current as a documentation check; no equipment determination is made.

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

Inputs

Input	Value	Unit
Entered component SCCR	35	kA
Entered available fault current	22	kA
Source reference	sccr-record-a	

Results

Result	Value	Unit
SCCR margin	13	kA
Available fault current as percent of SCCR	62.8571	%

Status

Status	Value	Unit
Record note	Source reference recorded	

Calculation details

Detail	Value	Unit
Calculation basis	The calculation subtracts entered available fault current from entered component SCCR.	
Boundary	Entered-value comparison only; no assembly value, equipment listing, protection relationship, or final system determination is made.	

Formulas

SCCR margin=Component SCCR-Available fault current

Available fault current percent=Available fault current/Component SCCR x 100

Warnings and limitations

Entered-value comparison only; verify equipment records, fault study, protection relationship, listing, adopted rules, and qualified review separately.