






Meet short-circuit current rating requirements with Eaton's compliant product portfolio

The 2017 National Electrical Code® (NEC) includes several sections with new short-circuit protection requirements. The most significant changes require that the available short-circuit current¹ at the location where the equipment is installed is marked/ documented and dated.

These changes allow installers, inspectors and approvers to verify that the installed equipment short-circuit current rating (SCCR) is equal to or greater than the available short-circuit current, and compliant with the other code sections dealing with equipment installations.

Eaton can help you get compliant with our comprehensive portfolio of circuit protection, drives, contactors and more.









¹ The available short-circuit current (also known as *available fault current*) is the amount of current that is available during a short-circuit event and is unique to the installed equipment's location.

Eaton solution	SCCR protection level				
	Basic up to 18 kA	Mid up to 35 kA	High up to 65 kA	Premium up to 100 kA	Ultimate up to 200 kA
 Bussmann™ series fuses—Class CC, CF, J, R, T Bussmann series fuse holder with Class CC, CF, J, R, T fuse	■	■	■	■	■
	■	■	■	■	■
 Circuit breakers—Series C & G	■	■	■	■	■
 RDF fusible switches with fuse RD UL® 508 and 98 non-fused switches with fuse Compact circuit protector (CCP) with fuse	■	■	■	■	■
	■	■	■	■	■
	■	■	■	■	■
 Bussmann series power distribution fuse blocks (PDFBs) with fuse Bussmann series PDB and PDBFS power distribution blocks with breaker Bussmann series PDB and PDBFS power distribution blocks with fuse Multi-wire lugs on circuit breakers	■	■	■	■	■
	■	■	■	■	■
	■	■	■	■	■
	■	■	■	■	■
 XT IEC with fuse XT IEC with breaker XT IEC with motor circuit protector XT IEC Type E/F Freedom NEMA® with fuse Freedom NEMA with breaker Freedom NEMA with motor circuit protector A25 definite purpose (to 75 A) with fuse XT manual starters Type E/F	■	■	■	■	■ ²
	■	■	■	■ ²	■ ²
	■	■	■	■	■
	■	■	■	■	■
	■	■	■	■	■ ²
	■	■	■	■	■ ²
	■	■	■	■	■ ²
■	■	■	■	■ ²	

² SCCR applies to devices in the branch circuit with a properly applied upstream current-limiting overcurrent protective device in the feeder. See SCCR Protection Suite for specific part number solutions.



Powering Business Worldwide

Eaton solution	SCCR protection level					
	Basic up to 18 kA	Mid up to 35 kA	High up to 65 kA	Premium up to 100 kA	Ultimate up to 200 kA	
Motor overload		XT Electronic with fuse	■	■	■	■ ²
		XT Electronic with breaker	■	■	■	■ ²
		C441 motor insight with fuse	■	■	■	■ ²
		C441 motor insight with breaker	■	■	■	■ ²
Soft starters		S801/S811+, S611 with fuse	■	■	■	■ ²
		S801/S811+, S611 with breaker	■	■	■	■ ²
		S801/S811+, S611 with motor circuit protector	■	■	■	■
Drives		DA1, DC1, DE1 DG1, MMX, SVX, SPX with fuse	■	■	■	■ ²
		DG1, SVX, SPX with breaker	■	■	■	■ ²
Contactors		XT IEC with fuse	■	■	■	■ ²
		XT IEC with breaker	■	■	■ ²	■ ²
		Freedom NEMA XT with fuse	■	■	■	■ ²
		Freedom NEMA XT with breaker	■	■	■	■ ²
		C25 definite purpose (to 75 A) with fuse	■	■	■	■ ²
		A202 lighting with fuse	■	■	■	■ ²
		A202 lighting with breaker	■	■	■	■ ²
Other		CT Type CurrentWatch™ sensors	■	■	■	■
		CT Type D65 relays	■	■	■	■
		DP and DG terminal blocks with fuse	■	■	■	■
Current limitation		Control power transformers ³	■	■	■	■
		Encapsulated transformers ³	■	■	■	■
		Dry-type transformers ³	■	■	■	■
		External disconnect with current-limiting fuses ³	■	■	■	■
		Current-limiting circuit breakers ³	■	■	■	■

- ² SCCR applies to devices in the branch circuit with a properly applied upstream current-limiting overcurrent protective device in the feeder. See SCCR Protection Suite for specific part number solutions.
- ³ Lowered fault current or raised SCCR with properly applied current limiting devices and transformers. See UL 508A regarding proper application.

SCCR tools

Eaton's best-in-class SCCR tools analyze, document and solve SCCR challenges to help you achieve compliance.



FC² Available Fault Current Calculator

Calculates the available fault current.

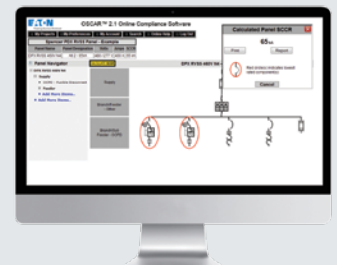
Eaton.com/bussmannseries/FC2



SCCR Protection Suite

Identifies which devices have the needed SCCR.

SCCR.Eaton.com



OSCAR™ 2.1 Online Compliance Software

Calculates the SCCR of control panels and identifies weak links limiting SCCR.

OSCAR.Eaton.com



Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

© 2016 Eaton
All Rights Reserved
Printed in USA
Publication No. SA083088EN / Z18520
October 2016

Eaton is a registered trademark.

All other trademarks are property of their respective owners.

Follow us on social media to get the latest product and support information.

