

Finger-safe enclosed power distribution blocks



Maximize short-circuit current rating up to 200 kA while improving safety



UL Listed, finger-safe Bussmann series enclosed power distribution blocks offer high SCCRs.

RoHS

Product description:

Eaton's Bussmann® series Finger-Safe Power Distribution Blocks (PDBFS) with Short-Circuit Current Ratings (SCCRs) up to 200 kA help achieve compliance with NEC® and OSHA requirements by resolving common SCCR "weak links" in industrial control panels.

These power distribution blocks feature a small footprint and IP20 finger-safe protection under specified conditions. Additionally, their modular design permits dovetailing the required number of poles while still meeting UL® 1953 minimum 1" and 2" spacing requirements.

To increase application flexibility, these blocks feature dual-wire rated ports that accept copper or aluminum conductors while retaining a UL Listed status.


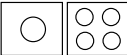
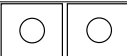
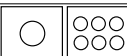
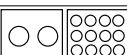


Features and benefits:

- UL 1953 Listed and CSA Certified for minimum spacing requirements of at least 1" through air and 2" over surface as required for UL 508A industrial control panel feeder applications.
- Up to 200 kA SCCR enables the power distribution block to be one of the highest rated components in the panel. This helps achieve a higher control panel SCCR.
- IP20 finger-safe protection under specified conditions and enclosed design increases safety
- Modular, space-saving design. Gangable for multi-pole installations, plus small footprint for tight spacing.
- Meets wireway application requirements, and can be used to meet 2014 NEC 376.56(B) requirements for no exposed live parts with or without an installed wireway cover.
- Dual-wire rated ports and the ability to use UL Listed ferrules greatly expand application flexibility.
- DIN-Rail and panel-mount versatility allows one product to be used for multiple applications.



Powering Business Worldwide

Listed to UL 1953, Bussmann series PDBFS blocks have SCCRs up to 200 kA, and can replace a lower-rated PDB to help achieve higher control panel SCCRs. Dual-wire rated ports and the use of UL Listed ferrules greatly expand application flexibility. See data sheet no. 10536 for specific aluminum and copper conductor, ferrule and dual wire ratings.

Line/load ports	Poles	Amps	Max SCCR*	Wire range		Catalog no.
				Lineside	Loadside	
	1	175	200	2/0-#14	2/0-#14	PDBFS204
	1	175	200	2/0-#14	#4-#14	PDBFS220
	1	310	200	350kcmil-#6	350kcmil-#6	PDBFS303
	1	380	200	500kcmil-#6	#2-#14	PDBFS330
	1	570	200	300kcmil-#4	#4-#14	PDBFS377
	1	620	200	350kcmil-#6	350kcmil-#6	PDBFS500
	1	760	200	500kcmil-#6	500kcmil-#6	PDBFS504

* SCCR contingent on upstream fusing. See data sheet 10536 for overcurrent protective device requirements.

Bussmann series PDBFS SCCR levels have been tested with Bussmann series fuses, Eaton circuit breakers and General Electric circuit breakers. SCCR levels up to those shown below are possible with the tested fuses and circuit breaker families. See data sheet 10536 for specific overcurrent protective device and tested SCCR levels.

Catalog no.	Max SCCR (kA)	Bussmann series fuse and Eaton/General Electric circuit breaker families	Device type
PDBFS204	200	LPJ, LPN-RK, LPS-RK, FRN-R, FRS-R, JJN, JJS, SC, LP-CC, FNQ-R, KTK-R	Fuse
	65	EGC_, E1_C, EGH_, E_H, SELA, SEHA	Circuit breaker
PDBFS220	200	LPJ, LPN-RK, LPS-RK, FRN-R, FRS-R, JJN, JJS, SC, LP-CC, FNQ-R, KTK-R	Fuse
	65	SELA, SEHA	Circuit breaker
PDBFS303	200	LPJ, LPN-RK, LPS-RK, FRN-R, FRS-R, JJN, JJS, SC, LP-CC, FNQ-R, KTK-R	Fuse
	65	SFLA, SFHA, SELA, SEHA	Circuit breaker
PDBFS330	200	LPJ, LPN-RK, LPS-RK, FRN-R, FRS-R, JJN, JJS, SC, LP-CC, FNQ-R, KTK-R	Fuse
	65	LGH_, L_H, LGE_, L_E, LGS_, L_S, LGC_, L_C, LGU_, L_U, LGX_, L_X, SFLA, SFHA, SELA, SEHA	Circuit breaker
PDBFS377	200	LPJ, LPN-RK, LPS-RK, FRN-R, FRS-R, JJN, JJS, SC, LP-CC, FNQ-R, KTK-R	Fuse
	42	LGH_, L_H, LGE_, L_E, LGS_, L_S, LGC_, L_C, LGU_, L_U, LGX_, L_X	Circuit breaker
PDBFS500	200	LPJ, LPN-RK, LPS-RK, FRN-R, FRS-R, JJN, JJS, SC, LP-CC, FNQ-R, KTK-R	Fuse
PDBFS504	200	LPJ, LPN-RK, LPS-RK, FRN-R, FRS-R, JJN, JJS, SC, LP-CC, FNQ-R, KTK-R	Fuse

Tools to help make SCCR compliance easier:



FC² Available Fault Current Calculator
Calculates available fault current anytime, anywhere.



SCCR Protection Suite
Quickly finds the Eaton components with the SCCRs you need.



OSCAR™ Online Compliance Software
Calculates and documents assembly SCCR for a control panel.

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Printed in USA
Publication No. 3137
May 2016

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