

Series PDBFS of Power Distribution Blocks

Feature/Benefits

- Enclosed, safer installation; IP20 finger-safe under specific conditions
- High short-circuit current ratings up to 200kA: PDBs do not have to be the weak link in achieving high SCCR for an industrial control panel
- Small footprint saves panel space
- Listed to UL 1953 which has minimum spacing requirements at 600V of at least 1" through air and 2" over surface required for feeders in UL 508A Industrial Control Panels
- For 2D CAD drawings visit www.cooperbussmann.com



Agency/Standards

- UL Listed 1953, Guide QPQS, File E256146
- CSA Certified, Class 6228-01, File 15364
- IEC 60947-7-1
- IEC 60529, IP20 (finger-safe) under specific wiring conditions

Electrical

- 600Vac/dc (UL 1953), 690Vac/dc (IEC)
- IP20 finger-safe under specific conditions
- Short-circuit current ratings up to 200kA, see table
- Ampacities up to 760 amps
- Cu wire range 14 AWG to 500 kcmil or 2.5 to 240 mm²

Mechanical

- DIN rail or panel mount; PDBFS330 & PDBFS504 panel mount only
- Captive termination screws; screws do not get misplaced
- Wire ready: captive termination screws shipped backed out to save time on conductor installations
- Sliding DIN rail latch for easy mounting
- Single pole, gang mountable for multiple pole applications with interlocking dovetail accessory (optional)
- Flammability, UL 94V0
- Tin-plated Al connectors suitable for Cu conductors
- Elongated hole for panel mounting; easier mounting with greater flexibility in matching up with drilled panel holes
- Part 2A1279: Interlocking dovetail pin accessory
One pin interlocks two units, two pins to interlock three units
- DIN rail end anchors required to prevent damage to block when torquing

Series PDBFS

Electrical		Terminal Copper Conductor Capability			Short-Circuit Current Rating Data						
		Line	Load	Configuration	Conductors		Max Fuse Class & Amp**				
Catalog Number (All Single Pole)	Amps	Wire Range	Wire Range	Openings per Pole Line Load	Line AWG or kcmil	Load AWG or kcmil	J LPJ	T JJS JJN	RK1 LPS-RK LPN-RK	RK5 FRS-R FRN-R	SCCR
PDBFS204	175A	2/0 to 8 AWG 70 to 10 mm ²	2/0 to 8 AWG 70 to 10 mm ²		2/0 to 8	2/0 to 8	200	200	100	60	200kA
PDBFS220	175A	2/0 to 8 AWG 70 to 10 mm ²	4 to 14 AWG 25 to 2.5 mm ²		2/0 to 8	4 to 12 14	200 175 200	200 175 200	100 100 100	60 60 60	200kA 100kA 50kA
PDBFS303	310A	350kcmil to 6 AWG 185 to 16 mm ²	350kcmil to 6 AWG 185 to 16 mm ²		350 to 6	350 to 6	400	400	200	100	200kA
PDBFS330	380A	500kcmil to 6 AWG 240 to 16 mm ²	2 to 14 AWG 35 to 2.5 mm ²		500 to 6	2 to 6 8 to 14	400 200 175	400 200 175	200 100 100	100 30 30	200kA 50kA 100kA
PDBFS377	570A	300kcmil to 4 AWG 150 to 12 mm ²	4 to 14 AWG 25 to 2.5 mm ²		300 250 to 4	4 to 8 4 6 to 14	600 600 200	600 600 200	400 400 100	200 200 30	200kA 50kA 50kA
PDBFS500	620A	350kcmil to 4 AWG 185 to 12 mm ²	350kcmil to 4 AWG 185 to 12 mm ²		350 300 to 4	350 300 to 4	600 600	600 800*	400 600	200 200	200kA 100kA
PDBFS504	760A	500kcmil to 6 AWG 240 to 16 mm ²	500kcmil to 6 AWG 240 to 16 mm ²		500 400 to 6	500 400 to 6	600 600	800* 800*	600 600	400 600	200kA 100kA 100kA

Ampacities 75°C per NEC® Table 310.16 and UL 508A Table 28.1

*Class L 800A (KRP-C 800_SP) or less fuses suitable for this particular SCCR case.

** Class G 60A (SC-60) or less or Class CC 30A (LP-CC-30, FNQ-R-30, KTK-R-30) or less are suitable for all SCCRs in this table.

Data Sheet: 1049