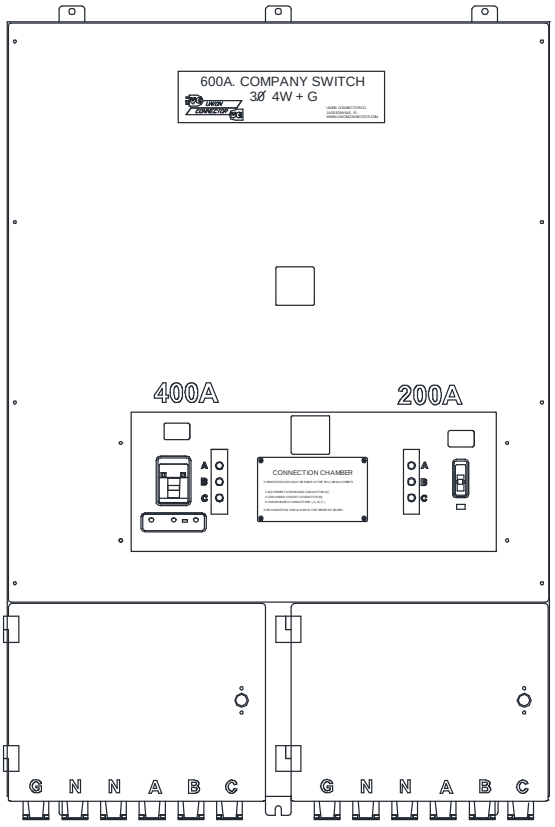
Product Bulletin No.: PBF-401B

Dual Breaker Company Switch w/Connection Chamber

Features

- UL Listed
- NEMA 1 enclosure
- Powder cost finish
- Line feed to terminals on copper bus
- 65K AIC @ 240V. circuit breakers
- Shunt-trip protected direct bus connection chamber
- Industry standard Series 16 Cam type receptacles
- Indicator lights
- Wire bending space as required by Code
- Built to customer requirements



Options

- Other Branch breaker combinations available
- Meters - Analog or Digital (Ammeter/Voltmeter)
- Special labeling
- Custom color
- Reverse Ground / Neutral Cams
- Parallel sets of receptacles
- Posi-Lok™ receptacle panels
- Pin & Sleeve (IEC 309) receptacles)
- Utility and Motor Branch circuits
- NEMA 3R construction
- Isolated Ground

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Specifications

1. Enclosure shall be NEMA 1 fabricated from 14 Ga. steel and powder coated black.
2. Enclosure shall be provided with tabs for surface wall mounting.
3. Hinged doors on the front of the enclosure shall be provided for qualified personnel access to the bus connection chamber.
4. Access from one bus connection chambers to the other bus connection chamber shall be prevented.
5. Each bus connection chamber shall contain a micro-switch that monitors the position of respective connection chamber door. Opening a connection chamber door shall activate the shunt-trip in the associated branch breaker and open the breaker to the OFF position. The circuit breaker shall be prevented from closing to the ON position until the connection chamber door is closed.
6. The bus connection chamber shall contain copper bus with dual-rated mechanical lugs for connection of bare-end portable cable. Lugs shall be sized to accept up to 4/0 cables.
7. Cable pass through holes with rubber grommets shall be provided on the bottom of the enclosure for cable entrance to the bus connection chamber.
8. An adjustable strain relief shall be provided in each bus connection chamber.
9. Feed (Line) entrance shall be via conduit through the top of the enclosure to lugs on Main Breaker or Main Bus.
10. Feed shall terminate either to terminals on Main Bus in units without a Main breaker, or to terminals on Main breaker in units provided with a Main breaker.
11. Service connection shall be through conduit to lugs on bus/breaker, sized for copper conductors as listed:

Amps	Phase	Neutral	Ground
60	#14-3/0	#14-3/0	#14-2/0
100	#14-3/0	#14-3/0	#14-2/0
200	#3-350MCM	#4-250MCM	#14-2/0
400	#2-500MCM	#4-600MCM	#14-2/0
600	(2) 500MCM	(2) #4-600MCM	#14-2/0
800	(3) 500MCM	(3) #4-600MCM	#14-2/0
1000	(4) 500MCM	(4) #4-600MCM	(2) #14-2/0

12. Main Bus shall be copper bar, sized 1 sq. in. in cross-section per 1,000A.
13. All circuit breakers shall be Listed, 3-pole, molded case type, with a current interrupt rating of 65k AIC at
14. 240V.
15. Each branch breakers shall be provided with a shunt-trip mechanism.
16. A red indicator light shall be provided to indicate phase voltage is available at each phase receptacle.
17. One (1) set of receptacles shall be provided for each Branch breaker.
18. Receptacles shall be mounted on the bottom of the enclosure, color-coded and shall be either Series 16 Cam or SafeCam® UL Listed devices.
19. A warning label shall be permanently attached to enclosure, as required by NEC Art. 520-53k3. This label shall specify the proper sequence for connection and removal of cable plugs.
20. One (1) set of receptacles shall be provided for each branch breaker.
21. The steel receptacle panel shall contain slots between receptacles to eliminate hysteresis, as required by the NEC.
22. All connections from the main bus or breaker to the branch breakers and to the receptacles shall be by copper bus.
23. The Company Switch shall have the option available to be suitable for rating as service entrance equipment.
24. The Company Switch shall meet or exceed all applicable NEC standards and shall be UL Listed. A label denoting the UL Listing shall be permanently affixed to the unit.

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Standard Models

CATALOG NUMBER	PART NUMBER	FEED AMP.	FEED TYPE	BREAKERS Main	Branch 1	Branch 2	RECEPTACLE TYPE
PBS-M2021W-C/SP	CSDC-20B21-CSP	200A.	BUS	----	100A.	100A.	Cam
PBS-M2121W-C/SP	CSDC-2021-CSP	200A.	MAIN	200A.	100A.	100A.	Cam
PBS-M4022W-C/SP	CSDC-40B22-CSP	400A.	BUS	----	200A.	200A.	Cam
PBS-M4122W-C/SP	CSDC-4022-CSP	400A.	MAIN	400A.	200A.	200A.	Cam
PBS-M604121W-C/SP	CSDC-60B4121-CSP	600A.	BUS	----	400A.	200A.	Cam
PBS-M614121W-C/SP	CSDC-604121-CSP	600A.	MAIN	600A.	400A.	200A.	Cam
PBS-M8042W-C/SP	CSDC-80B42-CSP	800A.	BUS	----	400A.	400A.	Cam
PBS-M8142W-C/SP	CSDC-8042-CSP	800A.	MAIN	800A.	400A.	400A.	Cam
PBS-M2021W-SC/SP	CSDC-20B21-SCSP	200A.	BUS	----	100A.	100A.	SafeCam®
PBS-M2121W-SC/SP	CSDC-2021-SCSP	200A.	MAIN	200A.	100A.	100A.	SafeCam®
PBS-M4022W-SC/SP	CSDC-40B22-SCSP	400A.	BUS	----	200A.	200A.	SafeCam®
PBS-M4122W-SC/SP	CSDC-4022-SCSP	400A.	MAIN	400A.	200A.	200A.	SafeCam®
PBS-M604121W-SC/SP	CSDC-60B4121-SCSP	600A.	BUS	----	400A.	200A.	SafeCam®
PBS-M614121W-SC/SP	CSDC-604121-SCSP	600A.	MAIN	600A.	400A.	200A.	SafeCam®
PBS-M8042W-SC/SP	CSDC-80B42-SCSP	800A.	BUS	----	400A.	400A.	SafeCam®
PBS-M8142W-SC/SP	CSDC-8042-SCSP	800A.	MAIN	800A.	400A.	400A.	SafeCam®

Options

SUFFIX	DESCRIPTION
-PM	Pad / Freestanding enclosure
-RC	Recessed enclosure
-3R	NEMA 3R enclosure
-4	NEMA 4 enclosure
-4X	NEMA 4X enclosure
-DN	Dual Neutral (dual neutral is standard on 400A. units)
-RNG	Reverse Neutral/Ground
-IG	Isolated Ground
-120	120V. Single Phase
-240	120/240V. Single Phase
-480	277/480V. 3-Phase
-DM	Digital Meter

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