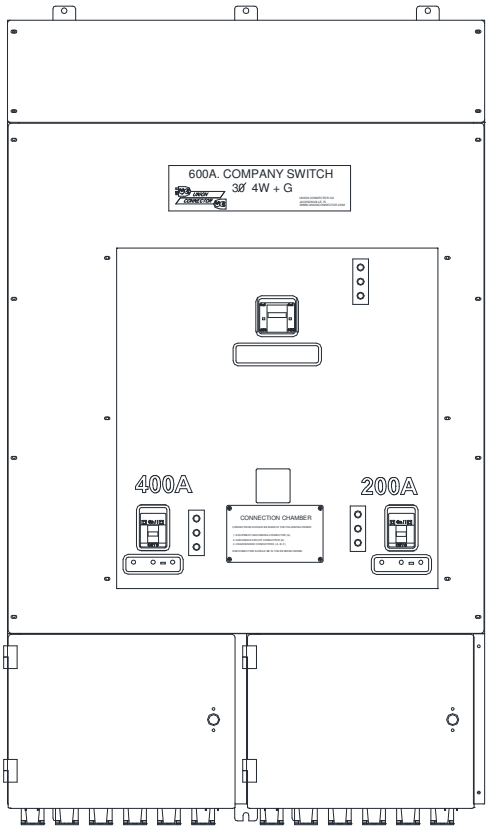
Multiple Breaker Company Switch with Main Breaker Connection Chambers and Receptacles

Features

- 200A – 800A (standard)
- UL Listed
- Type 1 enclosure
- Black powder coated scratch resistant finish
- Main breaker and Branch breakers
- 65k AIC @ 240V. molded case circuit breakers
- Connection chambers for bare-end cable connection
- Shunt trip protection of each connection chamber
- Integral cable strain relief in each connection chamber
- Standard rating – 3Ø 120/208V.
- Industry standard receptacles:
  - Series 16 Cam
  - SafeCam®
- Phase voltage and Ground indicator lights
- Wire bending space as required by the NEC



Options

- Dual Neutral receptacles (200%)
- Reverse Neutral (Series 16 and SafeCam® only)
- Reverse Ground (Series 16 and SafeCam® only)
- Parallel sets of receptacles
- Pin & Sleeve (IEC 309) receptacles
- Posi-Lok™ receptacles
- Isolated Ground
- Service entrance rating
- 1Ø 120V, 1Ø 120/240V.
- 3Ø 277/480V., 3Ø 208V., 3Ø 480V.
- Utility and Motor Branch circuits
- Digital Meter
- Fire Alarm Connection
- Custom laser engraved labeling
- Custom color
- Recessed, in-wall, mounting enclosure
- Pad / Freestanding enclosure
- Aluminum enclosure construction
- Type 3R construction (see Multi-Breaker Outdoor Switches)
- Type 4 construction (see Multi-Breaker Outdoor Switches)

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Specifications

1. The enclosure shall be Type 1, fabricated from 14 Ga. cold rolled steel, and finished with a scratch resistant black wrinkle powder coat.
3. The enclosure shall be provided with (6) surface mounting tabs on 16" centers.
4. The dead front cover of the enclosure shall contain a window with a recessed panel that exposes the circuit breaker handles. The top of the circuit breaker handles shall be below the plane of the cover.
5. Conduit entry shall be through the top of the enclosure and the building wire shall terminate to mechanical lugs on the Main breaker, neutral bus and ground bus. Copper conductors shall connect Line bus to each branch breaker.
6. The mechanical lugs shall be dual rated (Al/Cu) and accommodate the building conductors as listed:

Amps	Phase	Neutral	Ground
200	#6AWG – 300kcmil	#6AWG – 300kcmil	#14AWG - 2/0AWG
400	#4AWG - 600kcmil	#4AWG - 600kcmil	#14AWG - 2/0AWG
600	(2)#4AWG – (2)500kcmil	(2)#4AWG – (2)600kcmil	#14AWG - 2/0 AWG
800	(2)#4AWG – (2)600kcmil	(2)#4AWG – (2)600kcmil	#14AWG - 2/0 AWG

7. Cable pass through holes with rubber grommets shall be provided in the receptacle panel on the bottom of the enclosure for bare-ended portable cable entrance to the bus connection chambers.
8. The circuit breakers shall be 3-pole, UL Listed 489 molded case type, with a current interrupt rating of 65k AIC @ 240V.
9. All connections from the circuit breakers to the receptacles and from the receptacles to the bus bar shall be copper conductors.
10. The bus connection chambers shall utilize an electrical interlock incorporated into the associated circuit breaker shunt trip mechanism. Opening a bus connection chamber door shall activate the shunt trip in the associated breaker and open the breaker to the OFF position. The circuit breaker shall be prevented from closing to the ON position until the bus connection chamber door is closed.
11. The bus connection chambers shall contain copper bus bar with dual-rated mechanical lugs for connection of bare-ended portable cables. Lugs shall be sized to accept up to (2) 4/0 cables.
12. Strain relief bar shall be provided inside the bus connection chambers for securing the bare-ended portable cables.
13. When Series 16 Cam receptacles are provided:
    a. Series 16 receptacles shall be, color coded, and mounted on the receptacle panel at bottom of the enclosure.
    b. Series 16 receptacles shall be protected by color coded snap back cover when they are not in use.
14. When SafeCam® receptacles are provided:
    a. SafeCam® receptacles shall be color coded, and mounted on the receptacle panel at bottom of the enclosure.
    b. The SafeCam® system shall monitor the receptacles and open the main circuit breaker if a plug is removed from a receptacle or, if the main circuit breaker is closed while a receptacle is exposed (i.e. no plug or dummy plug inserted)
    c. A set of color-coded Series 16 "dummy" plugs shall be mechanically fastened to the receptacle panel.
15. The receptacle panel shall contain slots between the receptacles to eliminate hysteresis, as required by the NEC
16. Red LED indicator lights shall be provided to show voltage present at each phase receptacle and green LEDs shall be provided to show Ground integrity of the enclosure.
17. A warning label to specify the proper sequence for connection and removal of portable cable shall be mechanically fastened to the dead front cover, above the series 16 receptacles, as required by NEC
18. The Company Switch shall have the option to be rated as service entrance equipment.
19. 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.
20. The Company Switch shall be a PBS model as manufactured by Union Connector.

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Standard Models

CATALOG NUMBER	PART NUMBER	FEED AMPACITY	BRANCH BREAKER No. 1	BRANCH BREAKER No. 2	RECEPTACLE TYPE
Contact Factory	CSDC-20M12-CSP	200A.	100A.	100A.	Series 16 Cam
Contact Factory	CSDC-40M22-CSP	400A.	200A.	200A.	Series 16 Cam
Contact Factory	CSDC-60M4121-CSP	600A.	400A.	200A.	Series 16 Cam
Contact Factory	CSDC-80M42-CSP	800A.	400A.	400A.	Series 16 Cam
Contact Factory	CSDC-20M12-SCSP	200A.	100A.	100A.	Safe Cam®
Contact Factory	CSDC-40M22-SCSP	400A.	200A.	200A.	Safe Cam®
Contact Factory	CSDC-60M4121-SCSP	600A.	400A.	200A.	Safe Cam®
Contact Factory	CSDC-80M42-SCSP	800A.	400A.	400A.	Safe Cam®

Part Number

Example: Multiple Breaker Company Switch with 600A. Main breaker, connection chambers, 400A. and 200A. Branch Breakers, Series 16 Cam receptacles, NEMA 1 enclosure, Voltage rating 120/208V., with no other options

Cat # CSDC-60M4121-CSP

CSDC - 60 - M - 4 1 2 1 - CSP - (blank) - (blank) - (blank) - (blank) - (blank)

Product	Feed Amps	Input	Breaker1 Amps	Breaker1 Qty.	Breaker2 Amps	Breaker2 Qty.	Receptacle Type	Receptacle Options	Mounting	Enclosure	Voltage	Options

- **Product:** Multiple Breaker Company Switch
- **Feed Amps:** 20 = 200A. / 40 = 400A. / 60 = 600A. / 80 = 800A.
- **Input:** B = Bus / M = Main Breaker
- **Breaker1 Amps:** 6 = 60A. / 1 = 100A. / 2 = 200A. / 4 = 400A.
- **Breaker1 Qty.**
- **Breaker2 Amps:** 6 = 60A. / 1 = 100A. / 2 = 200A. / 4 = 400A.
- **Breaker2 Qty.**
- **Receptacle Type:** CSP = Series 16 Cam / SCSP= SafeCam® / PSP = Posi-Lok™ / ISP = Pin & Sleeve
- **Receptacle Options:** blank = Standard Neutral/Ground / DN = Dual Neutral / RN = Reverse Neutral / RG = Reverse Ground / IG = Isolated Ground / DR = Parallel sets of receptacles
- **Mounting:** blank = Surface / PM = Pad Mount / RC = Recessed
- **Enclosure:** blank = Type 1 / 3R = Type 3R / 4 = Type 4 / 4X = Type 4X
- **Voltage:** blank = 120/208V. / 120 = 1Ø 120V. / 240 = 1Ø 240V. / 480 = 3Ø 277/480V. / 208N = 3Ø 208V. / 480N = 3Ø 480V .
- **Options:** *Suffix assigned by the factory* — blank = None / DM = Digital Meter / FA = Fire Alarm Connection

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