



Company Switch with Connection Chamber and Series 16 SafeCam®

Features

- 60A – 400A
- UL Listed
- Type 1 enclosure
- Black powder coated scratch resistant finish
- 65k AIC @ 240V. molded case circuit breaker
- SafeCam® monitoring system
- Series 16 SafeCam® receptacles with dummy plugs
- Connection chamber for bare-end cable connection
- Shunt trip protection of connection chamber
- Integral cable strain relief in connection chamber
- Standard rating – 3Ø 120/208V.
- Phase voltage and Ground indicator lights
- Wire bending space as required by the NEC

Options

- 600A main breaker (connection chamber only)
- Dual Neutral receptacles (200%)
- Parallel sets of receptacles
- Series 16 Cam receptacles
- Posi-Lok™ receptacle panels
- Pin & Sleeve (IEC 309) receptacles
- Isolated Ground
- Reverse Neutral / Ground
- Service entrance rating
- 1Ø 120V, 1Ø 120/240V.
- 3Ø 277/480V., 3Ø 208V., 3Ø 480V.
- Utility and Motor Branch circuits
- Digital Meter
- Custom laser engraved labeling
- Custom color
- Recessed, in-wall, mounting enclosure
- Pad / Freestanding enclosure
- Aluminum enclosure construction
- Type 3R construction (see Outdoor Switches)
- Type 4 construction (see Outdoor Switches)
- Type 4X construction (see 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.
2. The dimensions shall be as listed (in inches):

Amps	Height	Width	Depth
60 – 200	28	21	8 3/4
400	42	21	8 3/4
3. The enclosure shall be provided with (4) 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 main circuit breaker handle. The top of the main circuit breaker handle 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 circuit breaker, neutral bus and ground bus
6. The mechanical lugs shall be dual rated (Al/Cu) and accommodate the building conductors as listed:

Amps	Phase	Neutral	Ground
60	#14AWG - 3/0AWG	#14AWG - 3/0AWG	#14AWG - 2/0AWG
100	#14AWG - 3/0AWG	#14AWG - 3/0AWG	#14AWG - 2/0AWG
200	#3AWG – 350kcmil	# 6AWG - 300kcmil	#14AWG - 2/0 AWG
400	#2AWG – 500kcmi	# 4AWG – 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 chamber.
8. The main circuit breaker shall be a 3-pole, UL Listed 489 molded case type, with a current interrupt rating of 65k AIC @ 240V.
9. All connections from the main circuit breaker to the receptacles and from the receptacles to the bus bar shall be copper conductors.
10. The bus connection chamber shall utilize an electrical interlock incorporated into the SafeCam® system. Opening the bus connection chamber door shall activate the shunt trip in the main 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 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),
12. The bus connection chamber 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.
13. A strain relief bar shall be provided inside the bus connection chamber for securing the bare-ended portable cables.
14. The receptacles shall be series 16 Safecam® type, color coded, and mounted on the receptacle panel at bottom of the enclosure
15. A set of color-coded Series 16 “dummy” plugs shall be mechanically fastened to the receptacle panel.
16. The receptacle panel shall contain slots between the receptacles to eliminate hysteresis, as required by the NEC
17. Three (3) red LED indicator lights shall be provided to show voltage present at each phase receptacle and one (1) green LED shall be provided to show Ground integrity of the enclosure.
18. A warning label to specify the proper sequence for connection and removal of portable cable as shall be mechanically fastened to the dead front cover, above the series 16 SafeCam® receptacles, as required by NEC
19. The Company Switch shall have the option to be rated as service entrance equipment.
20. 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.
21. The Company Switch shall be a PBS model as manufactured by Union Connector.



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Standard Models			
CATALOG NUMBER	PART NUMBER	BREAKER AMPACITY	RECEPTACLE TYPE
PBS-M0610W-SC/SP	CSC-0610-SCSP	60A.	Series 16 SafeCam®
PBS-M1010W-SC/SP	CSC-1010-SCSP	100A.	Series 16 SafeCam®
PBS-M2010W-SC/SP	CSC-2010-SCSP	200A.	Series 16 SafeCam®
PBS-M4020W-SC/SP	CSC-4020-SCSP	400A.	Series 16 SafeCam®

