Product Bulletin No.: PBF-701SC

Outdoor Company Switch with Connection Chamber and Series 16 SafeCam®

Features

- 60A – 400A
- UL Listed
- Type 3R enclosure
- Powder coated scratch resistant finish
- 65k AIC @ 240V. molded case circuit breaker
- 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.
- SafeCam® monitoring system
- Series 16 SafeCam® receptacles with dummy plugs
- 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%)
- Reverse Neutral
- Reverse Ground
- Parallel sets of receptacles
- Series 16 Cam receptacles
- Posi-Lok™ receptacle panels
- Pin & Sleeve (IEC 309) 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
- Custom laser engraved labeling
- Custom color
- Recessed, in-wall, mounting enclosure
- Pad / Freestanding enclosure
- Aluminum enclosure construction
- Type 4 construction
- Type 4X construction

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Specifications

1. The enclosure shall be Type 3R, fabricated from 14 Ga. galvanized steel, and finished with a scratch resistant ASA 61 Gray powder coating.
2. The dimensions shall be as listed (in inches):

Amps	Height	Width	Depth
60 – 200	40	24	10
400	42	24	10

3. The enclosure shall be provided with mounting tabs for surface mounting.
4. The enclosure shall have a main access door with a continuous hinge, a latch able to accept a padlock and a drip shield above the door.
5. A hinged door for entry of portable cable shall be located on the bottom of the enclosure. The cable entry door shall be secured by latch accessible only from inside the enclosure. Pad mounted enclosures may have the cable entry door located below the main access door on the front of the enclosure.
6. Conduit entry shall be through the top of the internal enclosure and the building wire shall terminate to mechanical lugs on the main circuit breaker, neutral bus and ground bus
7. 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 – 500kcmil	# 4AWG – 600kcmil	#14AWG - 2/0 AWG

8. A hinged door on the cover of the company switch internal dead front panel shall be provided for access to the bus connection chamber. The door shall have a key lock and an electrical interlock to activate the shunt trip and open the main breaker when the door is opened.
9. The main circuit breaker shall be a 3-pole, UL Listed 489 molded case type, with a current interrupt rating of 65k AIC @ 240V., and a shunt trip mechanism. The circuit breaker shall be equipped with a shunt trip mechanism controlled by the SafeCam® system. 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), Opening the bus connection chamber access door shall cause the electrical interlock to activate the shunt trip and open the main circuit breaker.
10. All connections from the main circuit breaker to the receptacles and from the receptacles to the bus bar shall be copper conductors.
11. The receptacles shall be Series 16 SafeCam® type, color coded, and mounted on an internal dead front receptacle panel.
12. A set of color-coded Series 16 “dummy” plugs shall be mechanically fastened to the receptacle panel.
13. The device connection shall be made inside the Type 3R enclosure and the plugs shall remain inside the Type 3R enclosure while connected to the receptacles.
14. Individual grommeted holes shall be provided in the dead front internal receptacle panel for bare ended portable cable entrance into the bus connection chamber.
15. The internal dead front receptacle panel shall contain slots between receptacles and slots between grommeted holes to eliminate hysteresis, as required by NEC Art. 300.20(b).
16. The bus connection chamber shall contain copper bus bar with dual-rated mechanical lugs for connection of bare-ended portable cables.
17. An adjustable cable strain relief bar shall be provided inside the bus connection chamber to secure bare-ended portable cables.
18. 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.
19. 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 receptacles, as required by NEC
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-3R	CSC-0610-SCSP-3R	60A.	Series 16 SafeCam®
PBS-M1010W-SC/SP-3R	CSC-1010-SCSP-3R	100A.	Series 16 SafeCam®
PBS-M2010W-SC/SP-3R	CSC-2010-SCSP-3R	200A.	Series 16 SafeCam®
PBS-M4020W-SCSP-3R	CSC-4020-SCSP-3R	400A.	Series 16 SafeCam®

Part Number

Example: Company Switch, 400A., Series 16 SafeCam® connectors, in a NEMA 3R enclosure, Voltage rating 120/208V., with no other options or customization

Cat # CSC-4020-SCSP-3R

CSC - **4020** - **SCSP** - **(blank)** - **(blank)** - **3R** - **(blank)** - **(blank)**

- **CSC** — Product: Company Switch
- **4020** — Amps: 0610 = 60A. / 1010 = 100A. / 1510 = 150A. / 2010 = 200A. / 2210 = 225A. / 2510 = 250A. / 4020 = 400A.
- **SCSP** — Receptacle Type: CSP = Series 16 Cam / ISP = IEC 309 Pin & Sleeve / PSP = Posi-Lok™ / SCSP = SafeCam®
- **(blank)** — Receptacle Options: (blank) = Standard Neutral/Ground / DN = Dual Neutral / RN = Reverse Neutral / RG = Reverse Ground / IG = Isolated Ground / DR = Parallel sets of receptacles
- **(blank)** — Mounting: (blank) = Surface / PM = Pad Mount / RC = Recessed
- **3R** — Enclosure: (blank) = Type 1 / 3R = Type 3R / 4 = Type 4 / 4X = Type 4X
- **(blank)** — Voltage: (blank) = 120/208V. / 120 = 1Ø 120V. / 240 = 1Ø 240V. / 480 = 3Ø 277/480V. / 208N = 3Ø 208V. (no neutral) / 480N = 3Ø 480V. (no neutral)
- **(blank)** — Options: Suffix assigned by the factory (blank) = No options

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