

Structure grounding

Service post connectors



Designed for grounding one or two cables to steel structure or transformer.

- For copper-to-copper connections
- Can also be used to tap one or two cables from bus bar
- Bolts machined from high-conductivity bronze alloy
- Nuts cold-formed from high-strength, corrosion-resistant copper alloy
- Pressure bars copper through 4/0 AWG and copper alloy for 350 kcmil and above

- Bolts and nuts of traditional Blackburn hex design for easy installation
- Available in sizes to accommodate AWG copper conductor ranges of #12–500 kcmil stranded and #12–#2 solid
- Both single- and double-conductor and short- and long-stud versions available
- UL® 486A and UL 467 listed

Single- and double-conductor service post connectors, short stud



Cat. no.		Conductor range AWG (mm ²)				Diameter range (in.)	Stud size	Dimensions (in.)					
		Stranded		Solid				A	AA	B	C	D	E
SP-DS	SP-SS	Max.	Min.	Max.	Min.								
SP0DS	SP0SS	8 (6)	12 (4)	8 (10)	12 (4)	.146–.081 –	1/4–20 x 1/2	1 ¹ / ₁₆	1 ³ / ₁₆	1/2	5 ⁵ / ₆₄	1 ⁵ / ₃₂	1/2
SP1DS	SP1SS	7 (10)	10 (6)	6 (10)	10 (6)	.164–.102 –	1/4–20 x 1/2	1 ³ / ₁₆	3 ¹ / ₃₂	1/2	5 ⁵ / ₆₄	1 ⁵ / ₃₂	2 ¹ / ₃₂
SP2DS	SP2SS	5 (16)	10 (6)	4 –	10 –	.206–.102 –	5/16–18 x 5/8	1 ⁵ / ₁₆	1 ¹ / ₈	5/8	5 ³ / ₆₄	1 ⁷ / ₃₂	2 ³ / ₃₂
SP3DS	SP3SS	3 (25)	10 (6)	2 –	10 –	.26–.102 –	3/8–16 x 5/8	1/2	1 ¹ / ₄	5/8	6 ¹ / ₆₄	5/8	2 ⁵ / ₃₂
SP4DS	SP4SS	1 (35)	8 (10)	2 –	8 –	.332–.129 –	3/8–16 x 5/8	1 ¹ / ₁₆	1 ³ / ₈	5/8	6 ¹ / ₆₄	1 ¹ / ₁₆	7/8
SP5DS	SP5SS	1/0 (50)	2 (35)	1/0 –	2 –	.373–.258 –	1/2–13 x 3/4	1 ¹ / ₄	1 ¹⁹ / ₃₂	3/4	1 ⁵ / ₆₄	3/4	1 ⁵ / ₁₆
SP6DS	SP6SS	2/0 (50)	2 (35)	2/0 –	2 –	.419–.258 –	1/2–13 x 3/4	1 ¹³ / ₃₂	1 ¹³ / ₁₆	3/4	1 ⁵ / ₆₄	7/8	1 ¹ / ₁₆
SP8DS	SP8SS	4/0 (95)	2 (35)	4/0 –	1 –	.528–.289 –	5/8–11 x 1	1 ⁹ / ₁₆	2 ¹ / ₁₆	1	1 ¹⁹ / ₆₄	1	1 ⁵ / ₁₆
SP9DS	SP9SS	350 (150)	1/0 (50)	– –	– –	.681–.373 –	5/8–11 x 1	2	2 ³ / ₄	1 ¹ / ₄	1 ¹⁹ / ₆₄	1 ⁵ / ₁₆	1 ¹¹ / ₁₆
SP10DS	SP10SS	500 (240)	3/0 (95)	– –	– –	.814–.47 –	3/4–10 x 1 ¹ / ₄	2 ¹ / ₄	3 ³ / ₈	1 ³ / ₄	1 ³¹ / ₆₄	1 ¹ / ₂	1 ⁷ / ₈

Continued on the next page

Structure grounding

Service post connectors (continued)

Single- and double-conductor service post connectors, long stud



Cat no.		Conductor range AWG (mm ²)				Diameter range (in.)	Stud size	Dimensions (in.)					
		Stranded		Solid				A	AA	B	C	D	E
SP-SL	SP-DL	Max.	Min.	Max.	Min.								
SP0SL	SP0DL	8 (6)	12 (4)	8 (10)	12 (4)	.146-.081 -	¼-20 x 1	1 ¹ / ₁₆	1 ³ / ₁₆	1	5 ⁵ / ₆₄	1 ⁵ / ₃₂	½
SP1SL	SP1DL	7 (10)	10 (6)	6 (10)	10 (6)	.164-.102 -	¼-20 x 1	1 ³ / ₁₆	3 ¹ / ₃₂	1	5 ⁵ / ₆₄	1 ⁵ / ₃₂	2 ¹ / ₃₂
SP2SL	SP2DL	5 (16)	10 (6)	4 -	10 -	.206-.102 -	5 ¹ / ₁₆ -18 x 1	1 ⁵ / ₁₆	1 ¹ / ₈	1	5 ³ / ₆₄	1 ⁷ / ₃₂	2 ³ / ₃₂
SP3SL	SP3DL	3 (25)	10 (6)	2 -	10 -	.26-.102 -	¾-16 x 1 ¹ / ₈	1	1 ¹ / ₄	1 ¹ / ₈	6 ¹ / ₆₄	5 ¹ / ₈	2 ⁵ / ₃₂
SP4SL	SP4DL	1 (35)	8 (10)	2 -	8 -	.332-.129 -	¾-16 x 1 ¹ / ₈	1 ¹ / ₁₆	1 ³ / ₈	1 ¹ / ₈	6 ¹ / ₆₄	1 ¹ / ₁₆	7 ¹ / ₈
SP5SL	SP5DL	1/0 (50)	2 (35)	1/0 -	2 -	.373-.258 -	½-13 x 1 ¹ / ₄	1 ¹ / ₄	1 ¹⁹ / ₃₂	1 ¹ / ₄	1 ⁵ / ₆₄	¾	1 ⁵ / ₁₆
SP6SL	SP6DL	2/0 (50)	2 (35)	2/0 -	2 -	.419-.258 -	½-13 x 1 ¹ / ₄	1 ¹³ / ₃₂	1 ¹³ / ₁₆	1 ¹ / ₄	1 ⁵ / ₆₄	7 ¹ / ₈	1 ¹ / ₁₆
SP8SL	SP8DL	4/0 (95)	2 (35)	4/0 -	1 -	.528-.289 -	5 ¹ / ₈ -11 x 1 ¹ / ₂	1 ⁹ / ₁₆	2 ¹ / ₁₆	1 ¹ / ₂	1 ¹⁹ / ₆₄	1	1 ⁵ / ₁₆
SP9SL	SP9DL	350 (150)	1/0 (50)	- -	- -	.681-.373 -	5 ¹ / ₈ -11 x 1 ¹ / ₂	2	2 ³ / ₄	1 ¹ / ₂	1 ¹⁹ / ₆₄	1 ⁵ / ₁₆	1 ¹¹ / ₁₆
SP10SL	SP10DL	500 (240)	3/0 (95)	- -	- -	.814-.47 -	¾-10 x 1 ³ / ₄	2 ¹ / ₄	3 ¹ / ₈	1 ¹ / ₂	1 ³¹ / ₆₄	1 ¹ / ₂	1 ⁷ / ₈