

Issue Date: 3/21/2013

Page: 1 of 2

File: PSS-K675SR-W2X

15/25kV	900A Deadbreak Straight Receptacle	w/o Test Point	K675SR-W2X
---------	------------------------------------	----------------	------------



Features:

- Fully rated 15/25kV, 900 Amp Deadbreak Receptacle
- Fully shielded, fully submersible molded rubber housing
- 100% peroxide-cured construction includes insulation and conductive EPDM materials
- Can be easily connected or disconnected in a de-energized state

K675SR Straight Receptacle with Cable Adapter, Lug, and Retaining Ring

Applications:

The K675SR is designed to provide a fully shielded, submersible cable connection on 15/25kV high-voltage apparatus bushings. These connectors allow a straight cable connection on switchgear or electrical apparatus equipped with 900 Amp bushings. The K675SR product range is from #2 AWG to 1250 kcmil for aluminum and copper conductors with insulation diameters from .640 " to 1.935 ". When used on metallic tape shield or drain wire cable, an ECS type ground kit/cable seal is recommended. Mates with the following:

- K675S1
- K675T1

Ratings:

Meets ANSI/IEEE Standard 386, Latest Revision

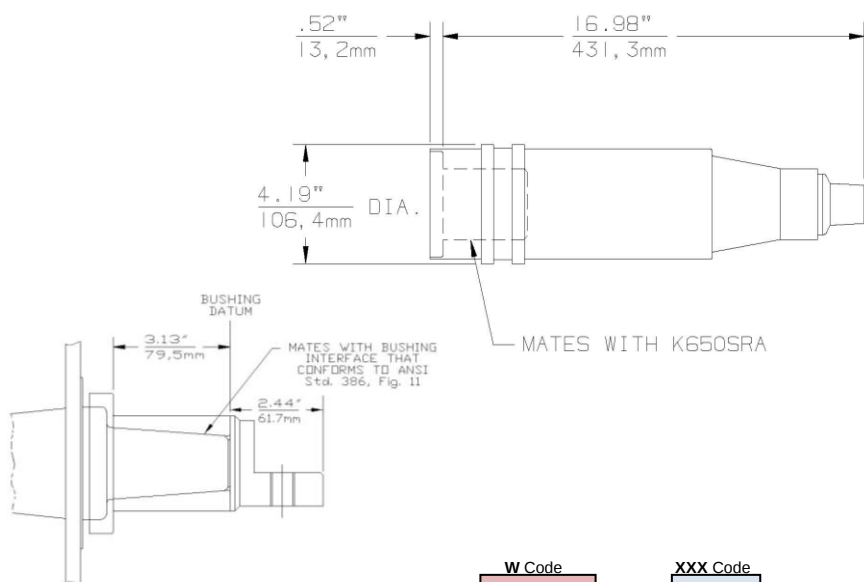
For 15kV Voltage Class:

8.3kV Max Phase-to-Ground – Operating Voltage
14.4kV Max Phase-to-Phase
95kV BIL – Impulse Withstand (1.2 x 50 microsecond wave)
34kV AC – One minute withstand
53kV DC – 15 minutes withstand
11kV AC – Corona Extinction @ 3pC sensitivity
900 Amp – Continuous
25kA Sym – 10 Cycles Momentary

For 28kV Voltage Class:

16.2kV Max Phase-to-Ground – Operating Voltage
28kV Max Phase-to-Phase
140kV BIL – Impulse Withstand (1.2 x 50 microsecond wave)
45kV AC – One minute withstand
84kV DC – 15 minutes withstand
21.5kV AC – Corona Extinction @ 3pC sensitivity
900 Amp – Continuous
25kA Sym – 10 Cycles Momentary

15/25kV	900A Deadbreak Straight Receptacle	w/o Test Point	K675SR-W2X
---------	------------------------------------	----------------	------------



Catalog Number Selection:

Step 1 (W)

Determine the insulation diameter of the cable. Select the insulation letter code that best straddles the insulation diameter from W table below. Insert code into catalog number.

Step 2 (X)

Choose the proper compression lug code according to the conductor size from table 2. Insert code into catalog number.

Example:

The ordering number for a 900 Amp straight receptacle for a 1/0 compressed conductor, 175 mil wall cable with an insulation diameter of .715" to .800" is K675SR-F2240.

K675SR - W Code 2 XXX Code

Cable Insulation Diameter in inches		Cable Insulation Diameter in millimeters		Symbol for W
MIN.	MAX.	MIN.	MAX.	
0.640	0.820	16.256	20.828	F
0.760	0.950	19.304	24.130	G
0.850	1.050	21.590	26.670	H
0.980	1.180	24.892	29.972	J
1.090	1.310	27.686	33.274	K
1.180	1.465	29.972	37.211	L
1.280	1.430	32.512	36.322	LM
1.370	1.630	34.798	41.402	M
1.515	1.780	38.481	45.212	N
1.725	1.935	43.815	49.149	P

Each kit contains the following:

- | | | |
|---|-----------------------------|------------------|
| 1 | Straight receptacle housing | K675BSR |
| 3 | Tube, lubricant | 82-08 |
| 1 | Straight receptacle adapter | K675SRA |
| 1 | Installation Instruction | IS-0316 |
| 1 | Cable adapter | 655CA- W |
| 1 | Copper comp. lug | 03702 XXX |
| 1 | Adapter retaining ring | 650ARR-X |
| 1 | Crimp chart | CC-0050 |
| 1 | Hardware Prepack | 650BAW |

X Code	AWG or kcmil		mm2	Connector Only
	Strand./ Compr.	Solid/ Compact	Compact	Copper
210	-	2	-	03702210
220	2	1	35	03702220
230	1	1/0	50	03702230
240	1/0	2/0	-	03702240
250	2/0	3/0	70	03702250
260	3/0	4/0	95	03702260
270	4/0	250	125	03702270
280	250	300	-	03702280
290	300	350	150	03702290
300	350	400	185	03702300
310	400	450	240	03702310
320	450	500/550	-	03702320
330	500	600	250/300	03702330
350	600	700	-	03702350
360	650	750	400	03702360
380	700/750	900	-	03702380
390	800	-	-	03702390
400	900	1000	500	03702400
410	1000	-	-	03702410
420	-	1250	-	03702420
440	1250	-	-	03702440