

Issue Date: 09/17/2014

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File: PSS-K675EBG2-W2X

15/25kV	Splice Kit	900A	K675EBG2-W2X
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K675EBG2-W2X Splice Kit

Applications:

The parallel Elastimold T-Bodies with the Elastimold Grounding Adapter Device (GAD) provides a parallel cable to equipment, 900A connection along with permanent Ball-GAD grounding attachment. The Ball-GAD is normally inserted with an insulating cap with a capacitive test point. When the circuit is required to be de-energized, the circuit is switched open, tested dead at the test point, the insulating cap is removed with a hot stick, the Ball-GAD is tested de-energized with a direct read HV meter, and the grounds are install.

Note:

The 900 Amp rating requires all copper current-transfer points and conductors capable of 900 Amps.

Ratings:

Meets ANSI/IEEE Standard 386, Latest Revision

For 15/25kV 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

Features:

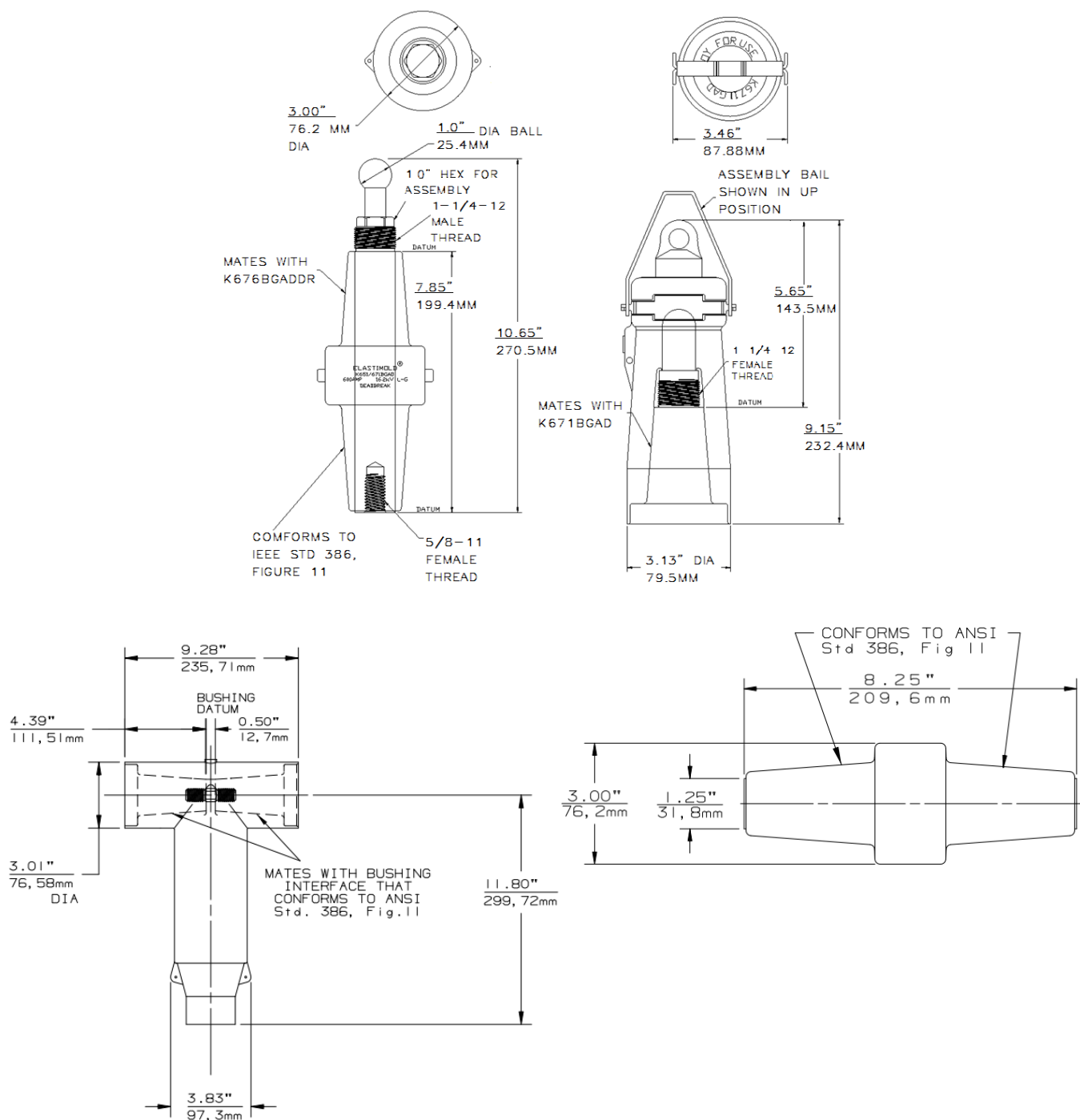
- Fully rated 15/25kV, 900 Amp Deadbreak Splice Kit
- Fully shielded, fully submersible molded rubber housing
- 100% peroxide-cured construction includes insulation and conductive EPDM materials
- Can be easily connected or disconnected using standard hand tools and equipment in a de-energized state

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Ordering Instructions:

To order 15/25kV, 900A Splice Kit w/ Sealing & Grounding for Concentric Neutral Cables, add suffix S: **K675EBG2-W2X-S**. (Will include 2 600ECS)

To order 15/25kV, 900A Splice Kit w/ Sealing & Grounding for Copper Tape Shield Cables, add suffix G3: **K675EBG2-W2X-SG3**. (Will include 2 600ECS-G3)

Universal Aluminum	0
Copper	2
Bi-metal	5

W Code

K675EBG2 -

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:

2	Elbow Connector Housing	K675BLR
1	Connecting Plug w/ Loose Stud	K671CPS
1	Grounding Device	K671BGAD
1	Grounding Device Cap	K676BGADDR
2	Compression Lug Connector	03702X
2	Cable Size Adapter	655CA-W
1	Installation Instruction	IS-0230
1	Installation Instruction	IS-0249
1	Installation Instruction	IS-1382
1	Crimp Chart	CC-0046

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

Choose the proper connector material type and insert it into the catalog number.

Step 3 (X)

Choose the proper compression lug code according to the conductor size from the Conductor Code Table. Insert code into catalog number.

Example:

The ordering number for a 900 Amp Splice Kit for a 4/0 compressed, 260 mil wall cable with an insulation diameter of 1.040" to 1.135" is K675EBG2-K2270.

XXX Code

X Code	AWG or kcmil		mm2
	Stranded/ Compr.	Solid/ Compact	Compact
210	-	2	-
220	2	1	35
230	1	1/0	50
240	1/0	2/0	-
250	2/0	3/0	70
260	3/0	4/0	95
270	4/0	250	125
280	250	300	-
290	300	350	150
300	350	400	185
310	400	450	240
320	450	500/550	-
330	500	600	250/300
350	600	700	-
360	650	750	400
380	700/750	900	-
390	800	-	-
400	900	1000	500
410	1000	-	-
420	-	1250	-
440	1250	-	-