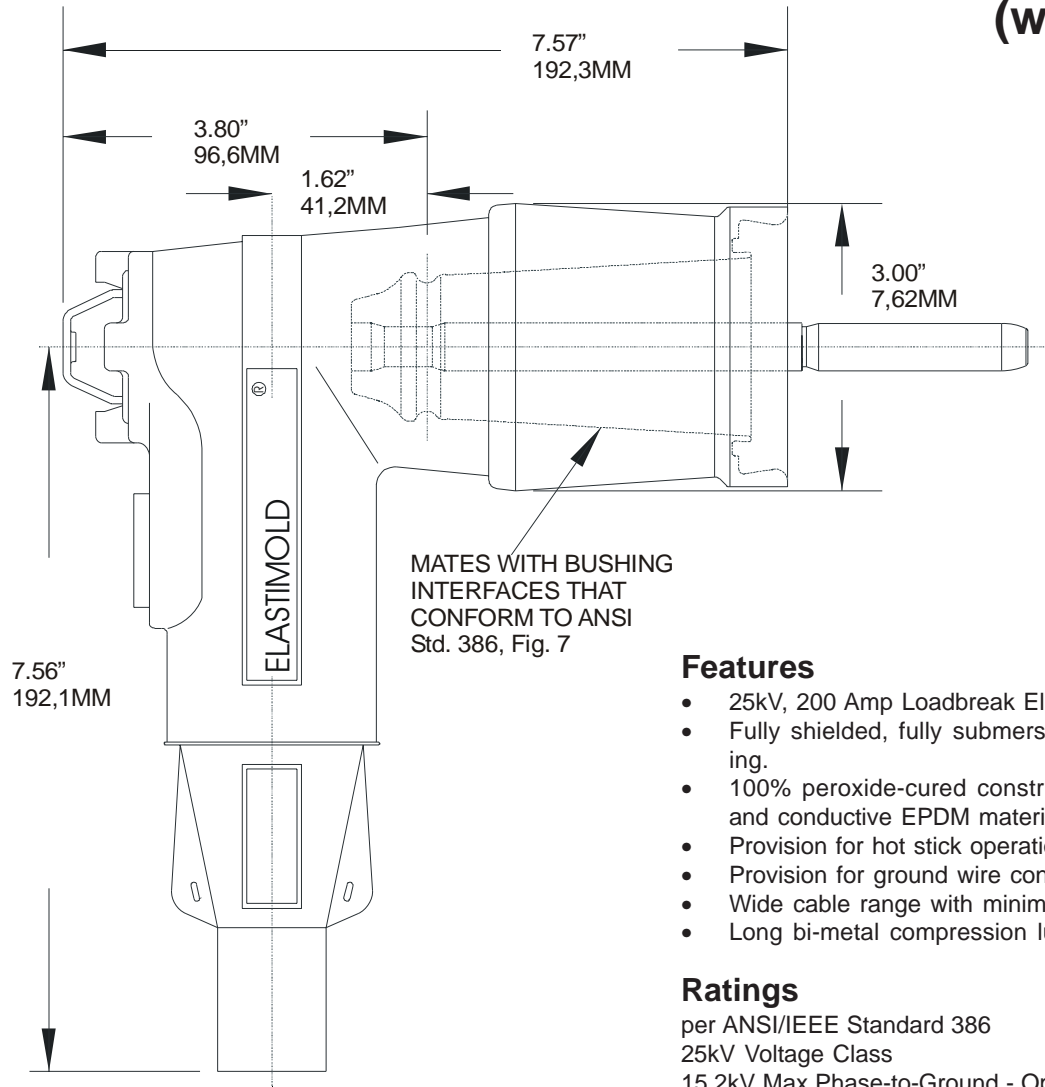


PRODUCT SPECIFICATION SHEET
I T C
25kV 200A Loadbreak Elbow
273LR-W5X
(w/o Test Point)

Features

- 25kV, 200 Amp Loadbreak Elbow
- Fully shielded, fully submersible molded rubber housing.
- 100% peroxide-cured construction includes insulation and conductive EPDM materials.
- Provision for hot stick operation.
- Provision for ground wire connection.
- Wide cable range with minimum number of sizes.
- Long bi-metal compression lug is standard.

Ratings

per ANSI/IEEE Standard 386

25kV Voltage Class

15.2kV Max Phase-to-Ground - Operating Voltage

26.3kV Max Phase-to-Phase

125kV BIL - Impulse Withstand (1.2 x 50 microsecond wave)

40kV AC - One minute Withstand

78kV DC - 15 Minutes Withstand

19kV AC - Corona Extinction @ 3p.C.sensitivity

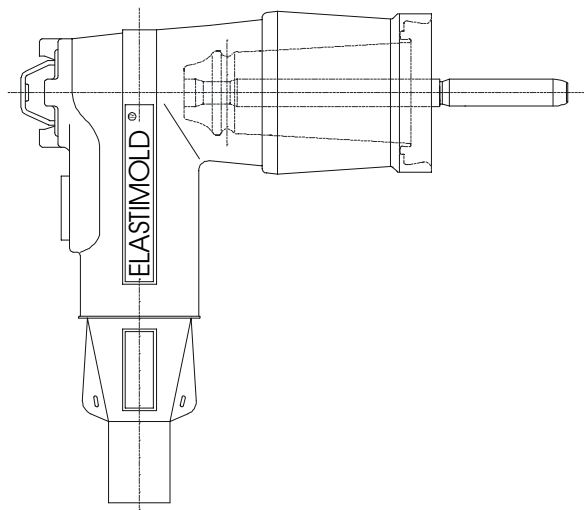
200 Amp - Continuous and Loadbreak

10kA Sym - 10 Cycles Momentary & Fault Close

Applications

The 273LR is designed for connecting to and operating 25kV Class, 200 Amp distribution apparatus. It provides a convenient method to connect/disconnect cable and equipment on power distribution systems. The 273LR allows connection of cables with insulation diameters from .760" (19,3mm) to 1.310" (33,3mm) with only four elbow sizes. (#2 solid, 260 mil to 4/0 stranded, 345 mil)

The Elastimold 273LR Elbow Connector is a fully rated 25kV, 200 Amp Class loadbreak connector. It includes provisions for energized operation using standard hotstick tools allowing loadmake/loadbreak operation and a visible disconnect. It has a standard interface for connecting to 25kV, 200 Amp bushing inserts, junctions and operating accessories.

25kV 200A Loadbreak Elbow (w/o Test Point) 273LR-W5X

Ordering Instruction:
Step 1 (W)

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

Step 2 (M)

Connector material, 5 - for standard copper top bi-metal or 2 - for copper

Step 3 (X)

Choose the proper compression lug code according to the conductor size. Insert code into the catalog number after the insulation code.

273LR – – **5***

Step 1 (W) Step 2 (M) Step 3 (X)

Cable Insulation Dia. Range		Elbow Code	COMPRESSION LUG			
Inches	mm		AWG or kcmil		mm ²	Symbol
			Stranded/ Compr.	Solid/ Compact	Compact Only	for "X"
.760 – .950	19.30 – 24.13	G	--	2	25	210
.850 – 1.050	21.59 – 26.67	H	2	1	35	220
.980 – 1.180	24.89 – 29.97	J	1	1/0	50	230
1.090 – 1.310	27.69 – 33.27	K	1/0	2/0	60	240
			2/0	3/0	70	250
			3/0	4/0	95	260
			4/0	250	125	270

Cu or AL conductor

The Elbow Connector kit contains the following:

1 – Elbow connector housing	273BLR-W
1 – Bi-metal compression lug	02500XXX (Table R)
1 – Probe	274LRF
1 – Probe wrench	271-94
1 – Tube, lubricant	82-08
1 – Installation instruction	IS-0240
1 – Crimp chart	CC-0020

Example:

The ordering number for an Elbow Connector for a 1/0 stranded, 260 mil wall cable with an insulation diameter of .955" (23.4 mm) is 273LR-H-5240.

* For an all-copper compression lug for use on copper cable only, substitute the prefix "2" instead of "5" in the compression lug code. The ordering number would be 273LR-H-2240.

Table R

REPLACEMENT COMPRESSION LUG NUMBER				
AWG or kcmil		mm ²	Symbol for COPPER	Symbol for BI-METAL
Stranded/ Compr.	Solid/ Compact			
--	2	25	02702210	02500210
2	1	35	02702220	02500220
1	1/0	50	02702230	02500230
1/0	2/0	60	02702240	02500240
2/0	3/0	70	02702250	02500250
3/0	4/0	95	02702260	02500260
4/0	250	125	02702270	02500270