



**PRODUCT STANDARD**  
SWITCHGEAR ENGINEERING DIVISION

SG 16032 Rev 01

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**Cable connector , Bushing and Surge Arrestor for  
36KV/70KV(RMS.)/170KVP GIS application**

**1.0 APPLICATION:** Separable cable connector, bushing and Lighting Arrestor are for use in 36KV GIS.

| Item. No. | Description   | Unit     |
|-----------|---|----------|
| 001       | Dummy Cable connector for Size 2 Bushing.   | No/Piece |
| 002       | Dummy Cable connector for Size 3 Bushing.   | No/Piece |
| 003       | Size 2 Bushing Without voltage tap  | No/Piece |
| 004       | Size 3 Bushing Without voltage tap  | No/Piece |
| 005       | Size 3 Bushing With voltage tap   | No/Piece |
| 006       | Size 2 separable cable connector without voltage tap<br>(1 Set = 3 Piece)   | SET      |
| 007       | Size 3 separable cable connector without voltage tap<br>(1 Set = 3 Piece)   | SET      |
| 008       | Surge Arrestor 10 KA for max. Continuous voltage rating (Uc) of 19 KV and rated voltage of surge arrestor (Ur) of 24 KV. Each set contains 3 Surge arrestors. This must be suitable for Size 2 Bushing. | No/Piece |
| 009       | Size 2 separable cable connector with voltage tap<br>(1 Set = 3 Piece)  | SET      |

Note:-

- The contact parts shall be designed for stranded circular aluminium or copper conductors to DIN VDE 0295 for item 006 & 007.
- The insulating and field-controlling part of bushing shall be designed to fit all PVC insulated cables.
- O ring required for bushing item 003, 004 & 005 shall be supplied by supplier. Drawings of O ring shall be supplied alongwith the offer.
- Drawings for above items must be submitted alongwith the offer by supplier as applicable.
- Each item shall be packed separately in high density dust free cardboard boxes, suitably wrapped in polyethylene.
- The component shall be guaranteed against all manufacturing defects.

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|              |          |                    |                   |               |             |
|--------------|----------|--------------------|-------------------|---------------|-------------|
| <b>REV.</b>  | 01       | <b>PRINTS TO:-</b> | <b>APPROVED –</b> |               |             |
| <b>ALTD.</b> | DJ       | SWE,SWM,MM         | Neelam Bhogal     |               |             |
| <b>APPD.</b> | HRP      |                    | <b>PREPARED</b>   | <b>ISSUED</b> | <b>DATE</b> |
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