

Ceramic insulators for extreme conditions  
Isolateurs céramique pour conditions extremes  
Ceramische isolatoren voor extreme toepassingen

Material : C-221

High temperature ceramic insulators are suitable to be used for extreme conditions :  
For high mechanical stresses  
For high vibrations  
For high temperatures up to +250°C  
For heavy pollution (increased creepage)

Isolateurs céramique haute températures, pour des applications extremes :  
Grandes résistance mécanique  
Résistances aux vibrations  
Pour haute tempéartures +250°C  
Résistance pollution (ligne de fuite accrue.)

Hoge tempertuur ceramische isolatoren, aanbevolen voor extreme toepassingen :  
Grote mechanische weerstand  
Bestand tegen vibraties  
Voor hoge temperaturen tot +250°C  
Voor vervuilde omgevingen (grote kruipafstand)



|  |  |
|--|--|
| Operating temperature<br>Températures fonctionnel<br>Gebruisktemperatuur | min. -50°C<br>max. +250°C<br>peak +350°C |
| Coparative tracking Index (CTI)  | 600 V                                    |
| Fire/smoke behaviour<br>Comportement au feu                              | NF F 16-101 & 16-102                     |
|  | Ne brule pas                             |

Inserts standard : Nickel electroplated brass  
On request : - Zinceletrated steel  
- Stainless Steel (BG25-BG50)

|            |   |
|------------|---|
| <b>(1)</b> | Rated insulation Voltage $U_i$ in function of Pollution degree and Overvoltage (Check IEC 60077-1)<br>Tension assignées d'isolement $U_i$ en fonction des degrés de pollution et des surtensions (voir IEC 60077-1) |
| <b>(2)</b> | Rated Power Frequency Withstand Voltage, dry (50 Hz, 1 min)<br>Tension de tenue assignée à fréquence industrielle, à sec (50 Hz, 1 min)<br>Toegekende overspanning bij industriële frekwentie, droog (50 Hz, 1 min) |
| <b>H</b>   | Height<br>Hauteur<br>Hoogte   |
| <b>Cr</b>  | Creepage<br>Ligne de fuite<br>Kruipweg  |
| <b>ML</b>  | Maximum load according to test condition required by EN 61373   |
| <b>N1</b>  | Flexural strength   |
| <b>N2</b>  | Torsion rupture torque  |
| <b>N3</b>  | Maximum tensile strength  |
| <b>N4</b>  | Compressive   |
| <b>TT</b>  | Max tightening torque on threads  |

| Ref.     | 1<br>kV | 2<br>kV | H<br>mm | Ø<br>mm | Cr.<br>mm | ML<br>N | N1<br>N | N2<br>Nm | N3<br>N | N4<br>N | TT<br>Nm | Weight<br>gr |
|----------|---------|---------|---------|---------|-----------|---------|---------|----------|---------|---------|----------|--------------|
| BG25-M6  |         | 12      | 25      | 28      | 34        | ≥ 75    | 1200    | ≥ 18     | ≥ 3000  | ≥ 5000  | 6        | 40           |
| BG35-M6  |         | 17      | 35      | 36      | 65        | ≥ 150   | ≥ 1600  | ≥ 35     | ≥ 6000  | ≥ 10000 | 6        | 75           |
| BG35-M8  | 18      |         |         |         |           |         |         |          |         |         |          |              |
| BG50-M10 |         | 29      | 50      | 50      | 95        | ≥ 275   | ≥ 3600  | ≥ 80     | ≥ 11000 | ≥ 20000 | 32       | 220          |
| BG50-M12 | 55      |         |         |         |           |         |         |          |         |         |          |              |
| BG60-M10 |         | 32      | 60      | 60      | 120       | ≥ 400   | ≥ 6000  | ≥ 140    | ≥ 16000 | ≥ 25000 | 32       | 460          |
| BG60-M12 | 55      |         |         |         |           |         |         |          |         |         |          |              |
| BG60-M14 | 90      |         |         |         |           |         |         |          |         |         |          |              |
| BG60-M16 | 125     |         |         |         |           |         |         |          |         |         |          |              |
| BS60-M14 |         | 32      | 60      | 110     | 165       | ≥ 400   | ≥ 6500  | ≥ 160    | ≥ 16000 | ≥ 25000 | 90       | 195          |
| BS60-M16 | 125     |         |         |         |           |         |         |          |         |         |          |              |