

SEMPER Gas Discharge Tube 90 V (for series 3409)

9071.99.0748

Properties

- Designed for operations exceeding 25 years
- GDT specification according to international standard ITU-T K.12
- Self Extinguisher GDT with holder included
- For series 3409

**Interface and material data**

| | |
|----------------------------|-------------------------------|
| Housing material / plating | Brass / SUCOPLATE (R) Plating |
|----------------------------|-------------------------------|

Electrical data

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|-----------------------------|--|
| CW power frame | ≤ 20 W |
| DC sparkover | 90 V, +/- 20 % (@ 100 V/s) |
| Impulse sparkover 100 V/μs | 300 V |
| Impulse sparkover 1000 V/μs | 500 V |
| Insulation resistance | > 10 GΩ (@ 50 V) |
| Glow voltage | approx. 70 V (@ 10 mA) |
| Arc voltage | approx. 10 V (@ > 1 A) |
| Glow-Arc transition current | < 0.5 A |
| Capacitance | < 1 pF (@ 1 MHz) |
| DC Holdover voltage | < 150 ms (@ 52 V) |
| Impulse discharge current | ≥ 1 operations (@ 30 kA, 8/20 μs) |
| | ≥ 10 operations (@ 20 kA, 8/20 μs) |
| | ≥ 400 operations (@ 500 A, 10/1000 μs) |
| | ≥ 1000 operations (@ 100 A, 10/1000 μs or 10/7000 μs) |
| Alter discharge current | ≥ 1 operations (@ 65 Arms, 11 cycles) |
| | ≥ 10 operations (@ 10 Arms, 1 s) |
| DC current | ≤ 2.5 A at 48 V |
| | ≤ 4 A at 27 V |
| | ≤ 6 A at 24 V |
| | ≤ 13 A at 17 V |
| Turn-off time | 20 sec. typically at 2.0 A and 25°C ambient temperature |
| | < 40 sec. typically below 1 A and 25°C ambient temperature |
| Recovery time | 7 sec. at 25°C ambient temperature |

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| Mechanical data | |
|------------------------|--------|
| Weight | 36.4 g |

| Environmental data | |
|--------------------------------|---|
| Operation temperature | -20 °C ... 85 °C |
| Storage temperature | -40 °C ... 85 °C |
| Ingress protection (IP Rating) | Unmated / IP66, IP68, according to IEC 60529 (24 h of water, 1 m) |

| Additional Information | |
|-------------------------------|---|
| Remarks | GDT unit for retrofit and replacement for series 3409 |
| With capsule holder | Yes |

| Ordering Information Table | |
|-----------------------------------|------------------|
| Item number | Item description |
| 84015401 | 9071.99.0748 |

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