

## Gas discharge tube 470 V with holder

9071.99.0450

### Properties

- Designed for operations exceeding 25 years
- GDT specification according to international standard ITU-T K.12
- Two electrode gas discharge tube 6x8 mm with holder



### Interface and material data

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

### Electrical data

|                             |                                                       |
|-----------------------------|-------------------------------------------------------|
| CW power frame              | ≤ 590 W                                               |
| DC sparkover                | 470 V, +/- 15 % (@ 100 V/s)                           |
| Impulse sparkover 100 V/μs  | 725 V                                                 |
| Impulse sparkover 1000 V/μs | 1000 V                                                |
| Insulation resistance       | > 100 GΩ (@ 100 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 (@ 135 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)                      |

### Mechanical data

|        |        |
|--------|--------|
| Weight | 13.1 g |
|--------|--------|

### Environmental data

|                                |                                                                   |
|--------------------------------|-------------------------------------------------------------------|
| Operation temperature          | -40 °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) |

Gas discharge tube 470 V with holder  
9071.99.0450

| Additional Information |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| Remarks                | Test methods per ITU-T (CCITT) K.12, IEEE C62.31, RUS PE-80, Telcordia GR 1361 |
| With capsule holder    | Yes                                                                            |

| Ordering Information Table |                             |
|----------------------------|-----------------------------|
| Item number                | Item description            |
| 22649157                   | 9071.99.0450 (73_Z-0-0-450) |

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/ EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.  
DOCUMENT PIM-P38013 / Date of publication: 31.10.2024 / uncontrolled copy