

Gas discharge tube 90 V with holder

9071.99.0448

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	≤ 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	> 100 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)

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 90 V with holder
9071.99.0448

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
22649203	9071.99.0448 (73_Z-0-0-448)

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-P1225 / Date of publication: 01.03.2024 / uncontrolled copy