

# HUBER+SUHNER® DATA SHEET

## Lightning Protector: 3402.41.0038



### Description

Gas Capsule Protector up to 2.5 GHz

### Benefits

**Broad-band operation**

**DC continuity for outdoor powering**

**The protector can also be installed reversely**

**Delivered without gas capsule**

**Data refer to capsule 9071.99.0047 (73 Z-0-0-47)**



### Product Configuration

Main path connectors 7/16 jack (female) - 7/16 jack (female) (Unprotected side - protected side)  
Mounting and grounding MH74/M8 (MH=bulkhead mounting/M=screw)

### Technical Data

#### Electrical Data

Impedance 50  $\Omega$   
Frequency range 0 to 2500 MHz  
Return loss  $\geq 20$  dB  
Insertion loss  $\leq 0.2$  dB  
RF CW power  $\leq 150$  W  
PIM 3<sup>rd</sup> order not specified  
Surge current handling capability 30 single / 20 multiple kA (test pulse 8/20  $\mu$ s)  
Residual pulse energy 350  $\mu$ J typically (test pulse 4 kV 1.2/50  $\mu$ s / 2 kA 8/20  $\mu$ s)

#### Mechanical Data

Weight 450 g

#### Environmental Data

Operating temperature -40 °C to +85 °C  
Waterproof degree IP 65 (according to IEC 60529, data refer to the coupled state)

#### Material Data

##### Piece Parts

Body	Brass
Female contact	Copper Beryllium Alloy
Dielectric	PTFE (Polytetrafluorethyl.)
Gasket	MQ (Silicon Rubber)

##### Surface Plating

SUCOPLATE (R) Plating  
Silver Plating

### Related Documents

Outline drawing	DOU-00004138
Mounting instruction	DOC-0000176104

HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

#### WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical contained specifications and/or the fitness for any particular purpose. The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



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