

# HUBER+SUHNER® DATA SHEET

## Lightning Protector: 3402.41.B



### Description

Gas Capsule Lightning Protector up to 2.5 GHz

### Benefits

The protector can also be installed reversely  
DC continuity for outdoor powering

### Product Configuration

Main path connectors Port 1: unprotected, 7/16 jack (female) - Port 2: protected, 7/16 jack (female)  
Mounting and grounding MH72 (MH=bulkhead mounting)  
Side of bulkhead

### Technical Data

#### Electrical Data

Impedance 50 Ω  
Frequency range 0 to 2500 MHz  
Return loss ≥ 20 dB  
Insertion loss ≤ 0.2 dB  
RF CW power  
PIM 3<sup>rd</sup> order not specified  
Surge current handling capability 30 single / 20 multiple kA (test pulse 8/20 μs)  
Residual pulse energy 350 μJ typically (test pulse 4 kV 1.2/50 μs / 2 kA 8/20 μs) Main path - protected side

#### Environmental Data

Operating temperature -40 °C to +85 °C  
Waterproof degree (according to IEC 60529, data refer to the coupled state)  
2002/95/EC (RoHS) compliant

#### Material Data

| Piece Parts           | Material               | Surface Plating       |
|-----------------------|------------------------|-----------------------|
| Housing               | Brass                  | SUCOPLATE (R) Plating |
| Port 1 center contact | Copper Beryllium Alloy | Silver Plating        |
| Port 2 center contact | Copper Beryllium Alloy | Silver Plating        |

#### Related Documents

Outline drawing DOU-00004157  
Mounting instruction DOC-0000176104

#### Remarks

Return Loss DC..... 2.5 GHz >=20dB Return Loss between 890 MHz and 960 MHz >=32dB with surge arrester capsule 73Z-0-0-47 (230V) Return Loss between 890 MHz and 960 MHz >=30dB with surge arrester capsule 73Z-0-0-49 (350V) with protective cap

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

WAIVER!  
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