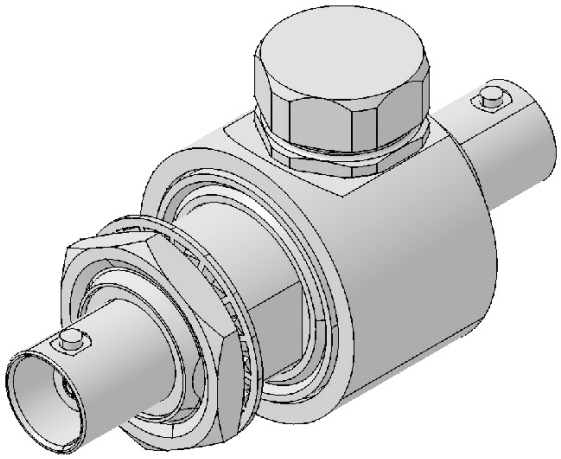
DATA SHEET

# COAXIAL SURGE PROTECTOR DEVICE, GDT technology up to 1.0 GHz

3401.01.A

## Properties

- Broadband frequency operation from DC to 1 GHz
- Gas discharge tube replaceable and not included
- DC/AC remote powering via coaxial same cable
- Surge current handling capability 30 kA once and 20 kA multiple
- Semper self-extinguishing functionality optional



| Product configuration | |
|---|---|
| Main path connectors | Port 1: unprotected, BNC jack (female) |
| | Port 2: protected, BNC jack (female) |
| Mounting and grounding | MH12 (bulkhead mounting) |
| Side of bulkhead | protected side |

| Interface and material data | |
|---|---|
| Housing material / plating | Brass / SUCOPLATE (R) Plating |
| Center contact, material / plating | Port 1: Copper Beryllium Alloy / Gold Plating (without Nickel underplating) |
| | Port 2: Copper Beryllium Alloy / Gold Plating (without Nickel underplating) |

| Electrical data | |
|---|---|
| Impedance | 50 Ω |
| Frequency frame | 0 MHz to 1000 MHz |
| Return loss typical | 19 dB |
| Insertion loss typical | 0.1 dB |
| CW power frame | 150 W |
| Residual pulse energy (typ.) | 350 µJ (test pulse 4 kV 1.2/50 µs; 2 kA 8/20 µs) |
| Surge current handling capability | 30 kA single, 20 kA multiple (test pulse 8/20 µs) |

| Electrical bands | | |
|---|---|---|
| | **Range 1** | |
| Frequency range | 0 MHz ... 300 MHz | |
| Return loss | 26.44 dB | |

# COAXIAL SURGE PROTECTOR DEVICE, GDT technology up to 1.0 GHz

3401.01.A

| Electrical bands | |
|---|---|
| | **Range 1** |
| Insertion loss | 0.1 dB |
| Power avg. / peak | 150 W / - |

| Electrical remarks | |
|---|---|
| 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 |
| Gas tube | Yes DC, GDT not included |

| Mechanical data | |
|---|---|
| Weight | 75 g |
| Mating cycles | 500 |

| Environmental data | |
|---|---|
| Operation temperature | -40 °C ... 85 °C |
| Storage temperature | -40 °C ... 85°C |
| Ingress protection (IP Rating) | IP20 |

| Comment | |
|---|---|
| NATO Stock Number | 5920-12-325-4220 |
| | 5935-99-110-3099 |
| | 5920-17-106-6384 |

| Ordering Information Table | |
|---|---|
| Item number | Item description |
| 22650032 | 3401.01.A |


DOCUMENT PIM-P2040 / Date of publication: 05.02.2024 / uncontrolled copy