

# COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology

3400.17.0385

## Properties

- Maintenance-free products
- Highest current handling capability up to 100 kA max.
- Best PIM performance
- Available in several frequency ranges from 380MHz up until 18GHz
- Inertion loss not exceeding 0.2 dB max.



| Product configuration              |  |
|------------------------------------|--|
| Main path connectors               | Port 1: unprotected, N jack (female)<br>Port 2: protected, N jack (female)           |
| Mounting and grounding             | MH25 (bulkhead mounting), M8 (screw)   |
| 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                    | 950 MHz to 1450 MHz  |
| Return loss typical                | 20 dB  |
| Insertion loss typical             | 0.1 dB   |
| CW power frame                     | 500 W  |
| Peak power frame                   | 10000 W  |
| Electrical remarks                 |  |
| Surge current handling capability  | 50 multiple kA (test pulse 8/20 μs)  |
| Residual pulse energy              | 5 μJ typically (test pulse 4 kV 1.2/50 μs / 2 kA 8/20 μs) main path - protected side |
| Gas tube                           | No DC / shorted QW or LC   |

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| <b>Mechanical data</b> |       |
|------------------------|-------|
| Weight                 | 334 g |
| Mating cycles          | 500   |

| <b>Environmental data</b>      |                 |
|--------------------------------|-----------------|
| Operation temperature          | -40 °C ... 85°C |
| Storage temperature            | -40 °C ... 85°C |
| Ingress protection (IP Rating) | IP65            |

| <b>Ordering Information Table</b> |                  |
|-----------------------------------|------------------|
| Item number                       | Item description |
| 23034907                          | 3400.17.0385     |

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