

## EMP Protector 3400.41.0203

### Description

Quarter-wave stub technology

#### Benefits

The protector can also be installed reversely  
Compliant to IEC 61643-21



### Product Configuration

Main path connectors Port 1: unprotected, 7/16 plug (male) - Port 2: protected, 7/16 jack (female)  
Mounting and grounding MH74 (bulkhead mounting), M8 (screw), brk (bracket)  
Side of bulkhead protected side

### Technical Data

#### Electrical Data

Impedance 50  $\Omega$   
Frequency range 380 - 512 MHz  
Return loss  $\geq 20$  dB  
Insertion loss  $\leq 0.1$  dB  
RF CW power  $\leq 3000$  W  
PIM 3rd order -150 dBc typ.

Surge current handling capability 50 multiple kA (test pulse 8/20  $\mu$ s)  
Residual pulse energy 5  $\mu$ J typically (test pulse 4 kV 1.2/50  $\mu$ s / 2 kA 8/20  $\mu$ s) main path - protected side

#### Mechanical Data

Number of matings 500  
Weight 580 g

#### Environmental Data

Operating temperature -40 °C to +85 °C  
Waterproof degree IP67 (according to IEC 60529, data refer to the coupled state)  
2011/65/EU (RoHS - including 2015/863 and 2017/2102) compliant

#### Material Data

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

### Related Documents

Outline drawing DOU-00003816.1  
Mounting instruction DOC-0000176104