

# HUBER+SUHNER® DATA SHEET

## 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/M8/brk (MH=bulkhead mounting/M=screw/brk=bracket)  
Side of bulkhead protected side

### Technical Data

#### Electrical Data

Impedance 50 Ω  
Frequency range 380 to 512 MHz  
Return loss ≥ 20 dB  
Insertion loss ≤ 0.1 dB  
RF CW power ≤ 3000 W  
PIM 3<sup>rd</sup> order -150 dBc typ.  
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

#### Mechanical Data

Weight 580 g

#### Environmental Data

Operating temperature -40 °C to +85 °C  
Waterproof degree IP 67 (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	Brass	Silver Plating
Port 2 center contact	Copper Beryllium Alloy	Silver Plating

#### Related Documents

Outline drawing DOU-00003816.1  
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.



**HUBER+SUHNER AG**  
RF Protection  
9100 Herisau, Switzerland  
Phone +41 (0)71 353 41 11  
Fax +41 (0)71 353 47 51  
www.hubersuhner.com

**HUBER+SUHNER – Excellence in Connectivity Solutions**