

## EMP Protector 3400.41.0257

### Description

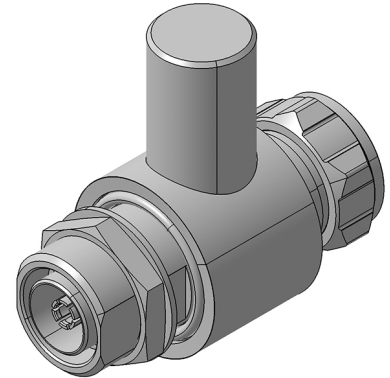
Quarter-wave stub technology

#### Benefits

Multi-band operation

The protector can also be installed reversely

Compliant to IEC 61643-21



### Product Configuration

Main path connectors  
Mounting and grounding  
Side of bulkhead

Port 1: unprotected, 7/16 plug (male) - Port 2: protected, 7/16 jack (female)  
MH110 (bulkhead mounting), M8 (screw), brk (bracket)  
protected side

### Technical Data

#### Electrical Data

Impedance	50 $\Omega$		
Frequency range	790 - 2620 MHz	824 - 960 MHz	1710 - 2200 MHz
Return loss	$\geq 20.8$ dB	$\geq 24$ dB	$\geq 24$ dB
Insertion loss	$\leq 0.1$ dB	$\leq 0.1$ dB	$\leq 0.1$ dB
RF CW power	$\leq 1000$ W		
PIM 3rd order	-150 dBc typ.		

Surge current handling capability	80 single / 60 multiple kA (test pulse 8/20 $\mu$ s)
Residual pulse energy	9 $\mu$ 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	100
Weight	247 g

#### Environmental Data

Operating temperature	-40 °C to +85 °C
Waterproof degree	IP68 (according to IEC 60529, data refer to the coupled state)
2011/65/EU (RoHS)	compliant

#### Material Data

Piece Parts	Material	Surface Plating
Housing	Aluminium	Chromatized
Port 1 center contact	Brass	Silver Plating
Port 2 center contact	Bronze	Silver Plating

### Related Documents

Outline drawing	DOU-00115333.1
Mounting instruction	DOC-0000447876

### Remarks

Ordering information for optional stainless steel mounting/grounding accessory:

9075.99.0108: threaded stud M8, length 30mm, hexagonal nut M8, washer and tooth washer

Recommendation: if this protector is mated with connectors made of copper-alloy base material and trimetal or nickel plating the connector area must be taped to improve long-term durability.



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