

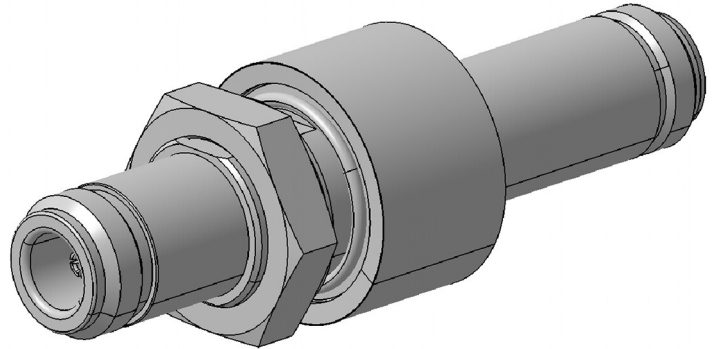
## EMP Protector 3400.17.0426

### Description

Quarter-wave stub technology

#### Benefits

Broad-band design  
Space saving inline design  
The protector can also be installed reversely  
Compliant to IEC 61643-21



### Product Configuration

Main path connectors	Port 1: <u>unprotected</u> , N jack (female) - Port 2: <u>protected</u> , N jack (female)
Mounting and grounding	MH170 (bulkhead mounting), brk (bracket)
Side of bulkhead	protected side
Design speciality	inline design

### Technical Data

#### Electrical Data

Impedance	50 $\Omega$
Frequency range	2000 - 6000 MHz
Return loss	$\geq 20$ dB
Insertion loss	$\leq 0.2$ dB
RF CW power	$\leq 300$ W
PIM 3rd order	not specified

Surge current handling capability	50 multiple kA (test pulse 8/20 $\mu$ s)
Residual pulse energy	0.2 $\mu$ 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	93 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 - including 2015/863 and 2017/2102)	compliant

#### Material Data

Piece Parts	Material	Surface Plating
Housing	Aluminium	
Port 1 center contact	Copper Beryllium Alloy	Gold Plating (without Nickel underplating)
Port 2 center contact	Copper Beryllium Alloy	Gold Plating (without Nickel underplating)

### Related Documents

Outline drawing	DOU-00096775.1
Mounting instruction	DOC-0000447876

### Remarks

Ordering information for optional mounting/grounding accessories:

-Grounding ring 9075.99.0027, terminal lug for cable 6AWG/16 mm<sup>2</sup> (diameter 6 mm), material: copper, tin plated

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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