

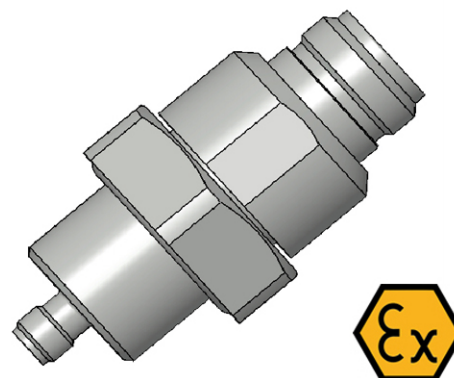
## ATEX RF Entry Device 9097.00.ED01-M18

### Description

ATEX RF Entry Device jack/jack  
N jack (female) / SMA jack (female)

Certified flameproof "Ex d" entry device  
For Zone 1 or Zone 21 of potentially explosive atmospheres

Interface standards  
Series N - IEC 61169-16\_MIL-STD-348A/304\_CECC 22210  
Series SMA - IEC 60169-15\_MIL-STD-348A/310\_CECC 22110



### Technical Data

#### Electrical Data

Impedance	50 $\Omega$	
Interface frequency max.	18 GHz	
Frequency range	DC to 3 GHz	3 to 6 GHz
Return loss	$\geq 26$ dB	$\geq 20$ dB

#### Mechanical Data

Number of matings	500
Weight	0.1 kg

#### Environmental Data

Operating temperature	-40 °C to 75 °C
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant

#### Material Data

Interface - N jack (female)

Piece Parts	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	Gold Plating (without Nickel underplating)
Outer contact	Stainless Steel	Passivated (Plating)
Body	Stainless Steel	Passivated (Plating)
Insulator	PTFE (Polytetrafluoroethylene)	

Interface - SMA jack (female)

Piece Parts	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	Gold Plating (without Nickel underplating)
Outer contact	Stainless Steel	Passivated (Plating)
Body	Stainless Steel	Passivated (Plating)
Insulator	PTFE (Polytetrafluoroethylene)	

### Related Documents

Outline drawing	DOU-00310116
Instruction	DOC-0000721459

### Ordering Information

Single package	9097.00.ED01-M18
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### Remarks

ATEX/IEC Marking and Certification:

- II 2G Ex db eb IIC T6...T5 Gb acc. EN 60079-1, EN 60079-7
- II 2D Ex tb IIIC T85°C...T100°C Db acc. EN 60079-31

## ATEX RF Entry Device 9097.00.ED01-M18

- EU-Type Examination Certificate: SEV 15 ATEX 0189 X, DOC-0000731045

- IECEx Certificate of Conformity: IECEx SEV 16.0009X, DOC-0000750280

EU Declaration of Conformity (DoC): DOC-0000731656

Ingress protection: IP67 with closed RF interface by means of an appropriate connector or protective blanking cap

Tamb: up to +75 °C for T6/T85°C or +80 °C for T5/T100°C

Thread size and style: M18x1.5

For RF power of various groups of equipment acc. EN 60079-0 see instruction

For remote powering voltage and current (dc/ac) see instruction

RF requirement for the transmission line connected to the device: VSWR min. 1:1.92 / return loss max. 10 dB

!!\ WARNING - DO NOT CONNECT OR DISCONNECT WHEN ENERGIZED!

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