



# SUHNER® DATALINE PROTECTOR

## TYPE: 3412.70.0001

Item: 23 020 278

### Description

Dataline Fine Protector.



### Product Configuration

#### Configuration Detail ..... Specification

Main path connectors ..... 1.6/5.6 (male) - 1.6/5.6 (female)  
(Unprotected - protected side)  
Mounting and grounding ..... MH33

### Main technical Data

#### Electrical Data ..... Requirements

RF:

Impedance ..... 75  $\Omega$   
Frequency range ..... 0.3 - 240 MHz  
Return loss ..... 0.3 ... 100 MHz  $\geq 20$  dB  
100 MHz ... 240 MHz  $\geq 15$  dB  
Insertion loss .....  $\leq 0.2$  dB/ $\leq 0.5$

No DC current.

Data transmission rate ..... 2MBit/s to 156 MBit/s (ITU-T G.703)

Protection:

Nominal discharge current: ..... 300A, 8/20  $\mu$ s (IEC 61000-4-5)

This Fine Protector is only designed to use in combination with a lightning protector (3411.70.0001) and between a 1 m cable. In this combination following specification is valid:

Surge current handling capability ... 10 kA once and 5 kA multiple (test pulse 8/20  $\mu$ s)

Residual pulse energy .....  $\leq 80$   $\mu$ J (test pulse 4 kV 1.2/50 $\mu$ s/2kA 8/20 $\mu$ s  
..... acc. to IEC 61000-4-5)

#### Environmental Data ..... Requirements/Test Conditions

Waterproof degree ..... IP 20 according to IEC 60529, data refer to the coupled state

Operation temperature range ..... -40  $^{\circ}$ C to +85  $^{\circ}$ C

# SUHNER® LIGHTNING PROTECTOR

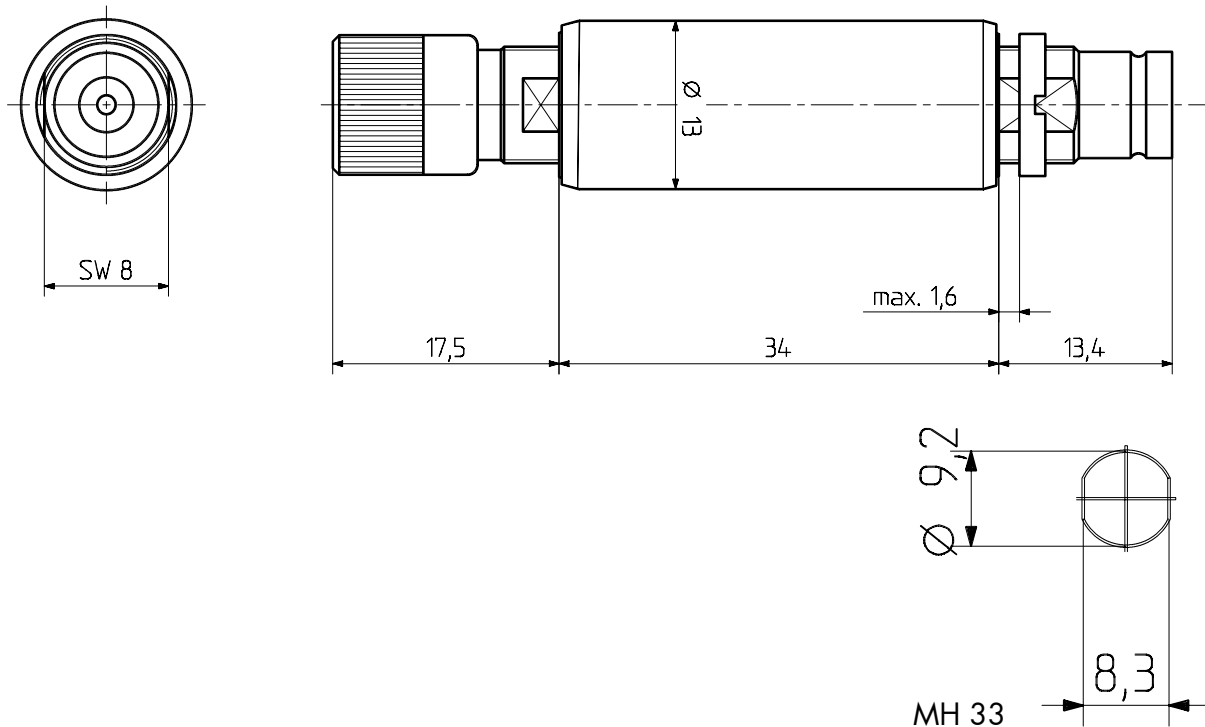
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Material Data	Standard	Material	Plating
Housings	QQ-B-626	Brass	Gold
Male contacts	QQ-B-626	Brass	Gold
Female contacts	QQ-C-530	CuBe2	Gold
Insulators	ASTM-D-1457	PTFE	

### Related Documents

Outline Drawing	23 022 999
Mounting/Grounding instruction	23 008 058



#### WAIVER!

While the information contained in this folder has been carefully compiled to the best of our present knowledge, it is not intended as representation or warranty of any kind on our part regarding the suitability of the products concerned for any particular use or purpose and neither shall any statement contained herein be construed as a recommendation to infringe any industrial property rights or as a license to use any such rights. The suitability of each product for any particular purpose must be checked beforehand with our specialists.



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