


C-TV-SAT

Order No.: 2856993

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2856993>Attachment plug with surge protection for antenna inputs with F
connector

Commercial data	
GTIN (EAN)	 4 017918 915179
sales group	J401
Pack	1 pcs.
Customs tariff	85363010
Catalog page information	Page 177 (TT-2009)

Product notesWEEE/RoHS-compliant since:
07/07/2006

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Technical data	
General	
Housing material	PA
Inflammability class acc. to UL 94	V0
Color	black

Standards for air and creepage distances	DIN VDE 0110-1
	IEC 60664-1: 1992-10
Surge voltage category	II
Pollution degree	2
Total surge current (8/20) μ s	2.5 kA
Ambient temperature (operation)	-25 °C ... 75 °C
Mounting type	Connection-specific intermediate plugging
Design	Attachment plug
Number of positions	1
Degree of protection	IP20
Direction of action	Line-Shield/Earth Ground
Width	27.00 mm
Height	69.00 mm
Length	40.00 mm

Protective circuit

IEC category	C1
	C2
	C3
	D1
Maximum continuous operating voltage U_c	180 V DC
	130 V AC
Maximum continuous voltage U_c (wire-shield)	180 V DC
Nominal current I_N	1.5 A (25°C)
Operating effective current I_c at U_c	$\leq 1 \mu$ A
Nominal discharge surge current I_n (8/20) μ s (Core-Shield)	2.5 kA
Total surge current (8/20) μ s	2.5 kA
Nominal pulse current I_{an} (10/1000) μ s (Core-Shield)	120 A
Output voltage limitation at 1 kV/ μ s (Core-Shield) spike	≤ 600 V
Output voltage limitation at 1 kV/ μ s (Core-Shield) static	≤ 600 V
Residual voltage at I_n , (conductor-shield)	≤ 30 V
Protection level U_p (Core-Shield)	≤ 700 V (C2 (4 kV/2 kA))
Response time t_A (Core-GND)	≤ 100 ns

Input attenuation aE, asym.	0.5 dB (\leq 2.4 GHz)
Cut-off frequency fg (3 dB), asym. (shield) in 75 Ohm system	> 3 GHz
Frequency range	950 MHz ... 2.5 GHz
Capacity asymmetrical (shield)	Typ. 10 pF
Surge carrying capacity in acc. with IEC 61643-21 (Core-Shield)	C2 (4 kV / 2 kA)
	C3 (100 A)
	D1 (500 A)
Alternating current carrying capacity in acc. with IEC 61643-21 (Core-Shield)	5 A - 1 s

Connection data

Type of connection	F connector
Connection type IN	F connector, female
Connection type OUT	F connector, female

Connection, protective circuit

Standards/regulations	IEC 61643-21
	EN 50083 - CLASS A

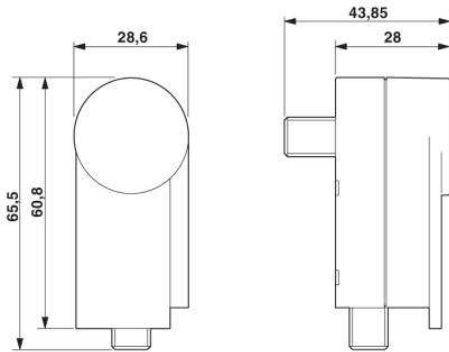
Certificates / Approvals

Certification

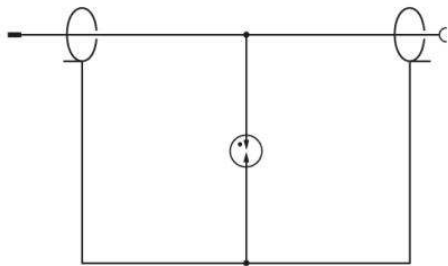
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Diagrams/Drawings

Dimensioned drawing



Circuit diagram



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