



**Automatización Eléctrica**  
Especialistas en Automatización

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## Surge protection and interference filters

### Surge protection for transceiver systems

#### Protection for antenna inputs of radio and television equipment

##### C-SAT-BOX

- Protection for antenna inputs in satellite receiver technology
- Use before antenna distributor or multi-switch
- Analog and digital SAT signals
- Terrestrial antenna signals
- Direct wall mounting supported

##### C-TV-SAT and C-TV/HIFI

- Protective adapter for antenna connections
- Use on broadband cable or SAT connection
- TV or F connector

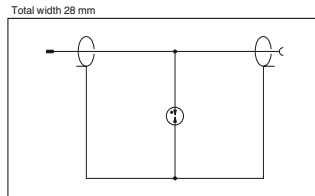
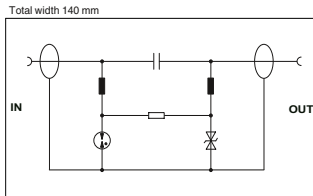
**Notes:**  
For certifications, see page 154  
Attenuation characteristics at [www.phoenixcontact.net/products](http://www.phoenixcontact.net/products)



For antenna distributor or multi-switch



Adapter with F and IEC connector



Electrical data	
IEC category / EN type	B2 / C2 / C3 / D1 / C1
Maximum continuous operating voltage $U_c$	20 V DC / -
Nominal current $I_n$	400 mA (25°C)
Nominal discharge surge current $I_n$ (8/20) $\mu$ s	2.5 kA / 2.5 kA
Total surge current (8/20) $\mu$ s	10 kA
Output voltage limitation at 1 kV/ $\mu$ s	Core-Shield / Core-Ground $\leq 70$ V / $\leq 70$ V
Cut-off frequency $f_g$ (3 dB)	Symmetrical / Asymmetrical - / > 2.5 GHz
In a 75 $\Omega$ system	
General data	
Dimensions W / H / D	140 mm / 74 mm / 35 mm
Temperature range	-40 °C ... 80 °C
Degree of protection in acc. with IEC 60529/ EN 60529	IP20
Inflammability class in acc. with UL 94	-
Connection method	F connector
Test standards	IEC 61643-21 / EN 50083 - CLASS A

Technical data	
IEC category / EN type	B2 / C2 / C3 / D1 / C1
Maximum continuous operating voltage $U_c$	20 V DC / -
Nominal current $I_n$	400 mA (25°C)
Nominal discharge surge current $I_n$ (8/20) $\mu$ s	2.5 kA / 2.5 kA
Total surge current (8/20) $\mu$ s	10 kA
Output voltage limitation at 1 kV/ $\mu$ s	Core-Shield / Core-Ground $\leq 70$ V / $\leq 70$ V
Cut-off frequency $f_g$ (3 dB)	Symmetrical / Asymmetrical - / > 2.5 GHz
In a 75 $\Omega$ system	
General data	
Dimensions W / H / D	140 mm / 74 mm / 35 mm
Temperature range	-40 °C ... 80 °C
Degree of protection in acc. with IEC 60529/ EN 60529	IP20
Inflammability class in acc. with UL 94	-
Connection method	F connector
Test standards	IEC 61643-21 / EN 50083 - CLASS A

Technical data	
IEC category / EN type	C1 / C2 / C3 / D1
Maximum continuous operating voltage $U_c$	180 V DC / 130 V AC
Nominal current $I_n$	1.5 A (25°C)
Nominal discharge surge current $I_n$ (8/20) $\mu$ s	2.5 kA / -
Total surge current (8/20) $\mu$ s	2.5 kA
Output voltage limitation at 1 kV/ $\mu$ s	Core-Shield / Core-Ground $\leq 600$ V / -
Cut-off frequency $f_g$ (3 dB)	- / > 3 GHz
In a 75 $\Omega$ system	
General data	
Dimensions W / H / D	28 mm / 66 mm / 44 mm
Temperature range	-25 °C ... 75 °C
Degree of protection in acc. with IEC 60529/ EN 60529	IP20
Inflammability class in acc. with UL 94	V0
Connection method	F connector
Test standards	IEC 61643-21 / EN 50083 - CLASS A

Ordering data			
Type	Order No.	Pcs. / Pkt.	
C-SAT-BOX	2880561	1	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
C-TV-SAT	2856993	1	
C-TV/HIFI	2857002	1	

Accessories			
Type	Order No.	Pcs. / Pkt.	
ADAPTER KOAX TYP F	2880972	5	
KBL-SAT/20	2880985	5	

**Adapter**, to connect the C-SAT-BOX with antenna distributors with a pitch of 20 mm (e.g. ASTRO, SPAUN)

**Connection cable**, to connect the C-SAT-BOX with the antenna distributor, length: 0.2 m

## Surge protection and interference filters

### Surge protection for transceiver systems

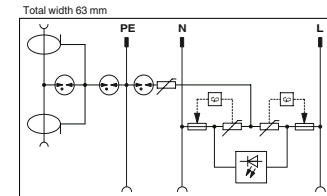
#### For power supply and antenna inputs

- For termination devices
- Easy operation
- Connection to antenna junction box using separate cable
- Thermal monitoring of the protective circuit
- Green LED - operating indicator for the power supply

**Notes:**  
For certifications, see page 154  
Attenuation characteristics at [www.phoenixcontact.net/products](http://www.phoenixcontact.net/products)



For network and TV antennas/cables and SAT systems, with F connector and IEC adapter



Electrical data	
IEC category / EN type	III / T3
Nominal voltage $U_n$	230 V AC
Maximum continuous operating voltage $U_c$	360 V AC (L/N-PE)
Nominal current $I_n$	16 A (30 °C)
Nominal discharge surge current $I_n$ (8/20) $\mu$ s	3 kA / 3 kA
Combined surge $U_{oc}$	4 kV
Protection level $U_p$	Core-Shield / Core-Ground $\leq 1.2$ kV / $\leq 1.5$ kV
Output voltage limitation at 1 kV/ $\mu$ s	Core-Ground / Core-Shield / Shield-Ground - / -
Cut-off frequency $f_g$ (3 dB)	Core/Shield -
In a 75 $\Omega$ system	
General data	
Dimensions W / H / D	63 mm / 79 mm / 106.5 mm
Temperature range	-25 °C ... 75 °C
Degree of protection in acc. with IEC 60529/ EN 60529	IP20 (child-proof)
Inflammability class in acc. with UL 94	V0/HB
Connection method	F connector
Test standards	IEC 61643-1

Technical data	
IEC category / EN type	III / T3
Nominal voltage $U_n$	230 V AC
Maximum continuous operating voltage $U_c$	360 V AC (L/N-PE)
Nominal current $I_n$	16 A (30 °C)
Nominal discharge surge current $I_n$ (8/20) $\mu$ s	3 kA / 3 kA
Combined surge $U_{oc}$	4 kV
Protection level $U_p$	Core-Shield / Core-Ground $\leq 1.2$ kV / $\leq 1.5$ kV
Output voltage limitation at 1 kV/ $\mu$ s	Core-Ground / Core-Shield / Shield-Ground - / -
Cut-off frequency $f_g$ (3 dB)	Core/Shield -
In a 75 $\Omega$ system	
General data	
Dimensions W / H / D	63 mm / 79 mm / 106.5 mm
Temperature range	-25 °C ... 75 °C
Degree of protection in acc. with IEC 60529/ EN 60529	IP20 (child-proof)
Inflammability class in acc. with UL 94	V0/HB
Connection method	F connector
Test standards	IEC 61643-1

Ordering data			
Type	Order No.	Pcs. / Pkt.	
MNT-TV-SAT D	2882284	1	
MNT-TV-SAT D/WH	2882297	1	
MNT-TV-SAT B/F	2882307	1	
MNT-TV-SAT S/WH	2880888	1	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
MNT-TV-SAT D	2882284	1	
MNT-TV-SAT D/WH	2882297	1	
MNT-TV-SAT B/F	2882307	1	
MNT-TV-SAT S/WH	2880888	1	



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- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
Socket attachment plug with surge protection for the power supply unit and signal connection for radio and television equipment (cable, terrestrial antenna, satellite system). Cable is provided.	2880888	MNT-TV-SAT S/WH	<a href="#">Buy on EAN</a>