


# CF-UB-280DC-SB-SET

Order No.: 2839541




<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2839541>

Attachment plug with replaceable surge protection for coaxial signal interfaces. Connection: N connector, male-female, with adapter N connector to F connector.

Commercial data	
GTIN (EAN)	 4 017918 183172
Note	Made-to-order
sales group	J402
Pack	1 pcs.
Customs tariff	85363010
Catalog page information	Page 169 (TT-2009)

**Product notes**

WEEE/RoHS-compliant since:  
06/14/2006



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data	
<b>General</b>	
Housing material	Nickel-plated brass
Color	nickel

Standards for air and creepage distances	DIN VDE 0110-1
	IEC 60664-1: 1992-10
Surge voltage category	III
Pollution degree	2
Total surge current (8/20) $\mu\text{s}$	20 kA
Ambient temperature (operation)	-20 °C ... 80 °C
Mounting type	Connection-specific intermediate plugging
Design	Attachment plug
Degree of protection	IP20
Direction of action	Line-Shield/Earth Ground
Width	25.00 mm
Height	72.00 mm
Length	25.00 mm

**Protective circuit**

IEC category	C2
	C3
	D1
VDE requirement class	C2
	C3
	D1
Maximum continuous operating voltage $U_c$	280 V DC
	195 V AC
Maximum continuous voltage $U_c$ (wire-ground)	280 V DC
	195 V AC
Nominal current $I_N$	5 A (25°C)
Operating effective current $I_c$ at $U_c$	$\leq 1 \mu\text{A}$
Nominal discharge surge current $I_n$ (8/20) $\mu\text{s}$ (Core-Earth)	20 kA
Nominal discharge surge current $I_n$ (8/20) $\mu\text{s}$ (Core-Shield)	20 kA
Total surge current (8/20) $\mu\text{s}$	20 kA
Max. discharge surge current $I_{\text{max}}$ (8/20) $\mu\text{s}$ maximum (Core-Shield)	20 kA
Nominal pulse current $I_{\text{an}}$ (10/1000) $\mu\text{s}$ (Core-Shield)	100 A
Output voltage limitation at 1 kV/ $\mu\text{s}$ (Core-Earth) spike	$\leq 700 \text{ V}$

Output voltage limitation at 1 kV/ $\mu$ s (Core-Shield) spike	$\leq 700$ V
Output voltage limitation at 1 kV/ $\mu$ s (Core-Earth) static	$\leq 700$ V
Output voltage limitation at 1 kV/ $\mu$ s (Core-Shield) static	$\leq 700$ V
Protection level $U_p$ (Core-Earth)	$\leq 1.1$ kV (C2 (10 kV/5 kA))
	$\leq 700$ V (C1 - 1 kV/500 A)
Protection level $U_p$ (Core-Shield)	$\leq 1.1$ kV (C2 (10 kV/5 kA))
	700 V (C1 - 1 kV/500 A)
Response time $t_A$ (Core-Earth)	$\leq 100$ ns
Response time $t_A$ (Core-GND)	$\leq 100$ ns
Cut-off frequency $f_g$ (3 dB), asym. (shield) in 50 Ohm system	$> 2$ GHz
Permissible HF power $P_{max}$ at SWR=xx (50 Ohm system)	700 W (VSWR = 1.1)
	200 W (VSWR = $\infty$ )
Capacity (Core-Earth)	Typ. 1.5 pF
Capacity asymmetrical (shield)	Typ. 1.5 pF
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C1 (1 kV / 500 A)
	C2 (10 kV/5 kA)
	C3 (100 A)
	D1 (2.5 kA)

**Connection data**

Connection method	F connector
Connection type IN	F connector, male
Connection type OUT	F connector, female

**Connection, protective circuit**

Standards/regulations	IEC 61643-21
-----------------------	--------------

**Certificates / Approvals**

Certification

GOST

### Accessories

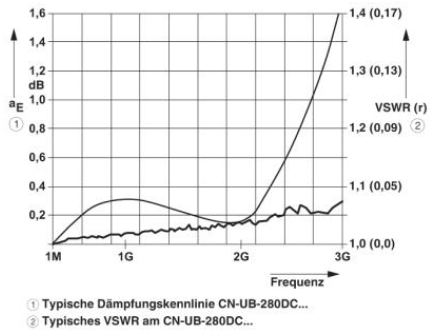
Item	Designation	Description
------	-------------	-------------

### Assembly

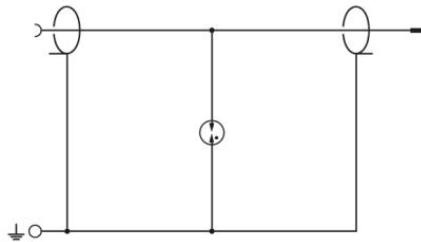
2818135	CN-UB/MP	Tongue for attaching the CN-UB..., to housing panels, for example.
---------	----------	--

### Diagrams/Drawings

#### Diagram



#### Circuit diagram



**Address**

PHOENIX CONTACT Inc., USA  
586 Fulling Mill Road  
Middletown, PA 17057, USA  
Phone (800) 888-7388  
Fax (717) 944-1625  
<http://www.phoenixcon.com>



© 2011 Phoenix Contact  
Technical modifications reserved;