

CN-UB-280DC-SB

Order No.: 2818148



Attachment plug with replaceable surge protection for coaxial signal interfaces. Connection: N connector male/female connector

Commercial data

EAN	4017918148379
Pack	1 pcs.
Customs tariff	85363010
Weight/Piece	0.1446 KG
Catalog page information	Page 546 (IF-2007)

Product notes

WEEE/RoHS-compliant since:
05/10/2006



Technical data

General

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) μ s	20 kA
Ambient temperature (operation)	-40 °C ... 80 °C
Mounting type	Connection-specific intermediate plugging
Design	Attachment plug
Degree of protection	IP55
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
Max. operating voltage U_{max}	280 V DC
Arrester rated voltage U_c	280 V DC
	195 V AC
Arrester rated voltage U_c (Core-Earth)	280 V DC
	195 V AC
Nominal current I_N	5 A (25°C)
Operating effective current I_c at U_c	$\leq 1 \mu$ A
Nominal discharge surge current I_n (8/20) μ s (Core-Earth)	20 kA
Nominal discharge surge current I_n (8/20) μ s (Core-Shield)	20 kA
Total surge current (8/20) μ s	20 kA
Max. discharge surge current I_{max} (8/20) μ s maximum (Core-Shield)	20 kA
Nominal pulse current I_{an} (10/1000) μ s (Core-Shield)	100 A
Output voltage limitation at 1 kV/ μ s (Core-Earth) spike	≤ 700 V

Output voltage limitation at 1 kV/μs (Core-Shield) spike	≤ 700 V
Output voltage limitation at 1 kV/μs (Core-Earth) static	≤ 700 V
Output voltage limitation at 1 kV/μs (Core-Shield) static	≤ 700 V
Protection level U _p (Core-Earth)	≤ 700 V (C2 (10 kV/5 kA))
Protection level U _p (Core-Shield)	≤ 700 V (C2 (10 kV/5 kA))
Response time t _A (Core-Earth)	≤ 100 ns
Response time t _A (Core-GND)	≤ 100 ns
Input attenuation a _E , asym.	0.1 dB (≤ 1.2 GHz)
	0.2 dB (≤ 2.2 GHz)
Cut-off frequency f _g (3 dB), asym. (shield) in 50 Ohm system	> 3 GHz
Standing wave ratio SWR in a 50 Ω system	Typ. 1.1 (≤ 2 GHz)
Permissible HF power P _{max.} at SWR=xx (50 Ohm system)	700 W (VSWR = 1.1)
	200 W (VSWR = ∞)
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)	C2 (10 kV/5 kA)
	C3 (100 A)
	D1 (2.5 kA)

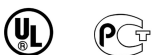
Connection data

Type of connection	N connector 50 Ω
Connection type IN	N connector, male
Connection type OUT	N connector, female

Connection, protective circuit

Standards/regulations	IEC 61643-21
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Certificates / Approvals



Certification

GOST, UL Listed

Certification Ex: CUL-EX, UL-EX

Accessories

Item	Designation	Description
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Assembly

2818135	CN-UB/MP	Tongue for attaching the CN-UB..., to housing panels, for example.
2803137	CN-UB/MP-90DEG-50	Angled bracket for individually fixing CN-UB... to housing panels, for example.

Additional products

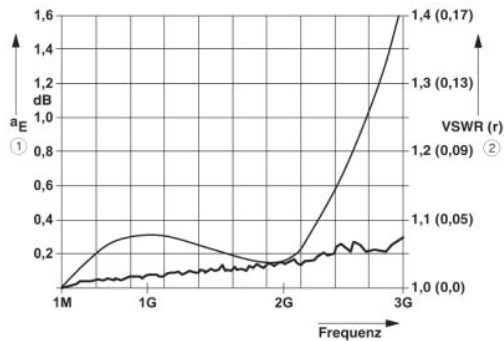
Item	Designation	Description
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Assembly

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

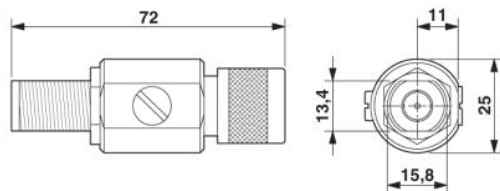
Diagram



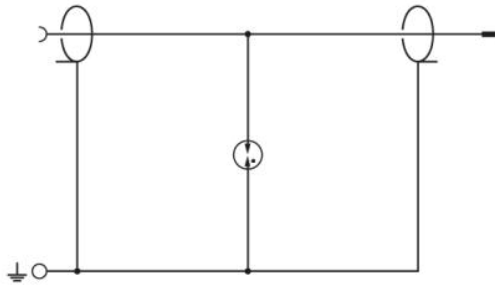
① Typische Dämpfungskennlinie CN-UB-280DC...

② Typisches VSWR am CN-UB-280DC...

Dimensioned drawing



Circuit diagram



Approval logo (Ex area)

