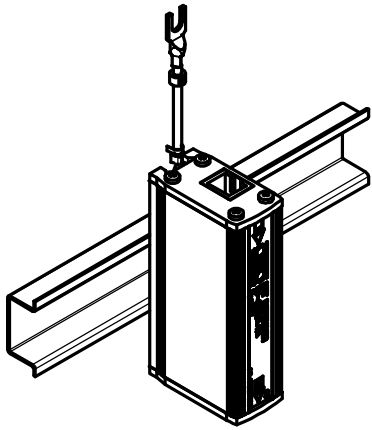
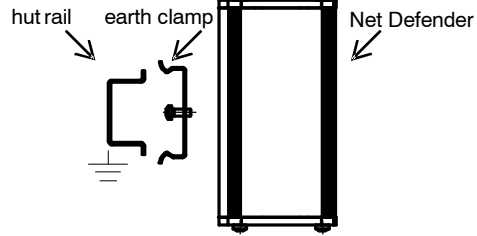


Net Defender



Connection on hut-rail

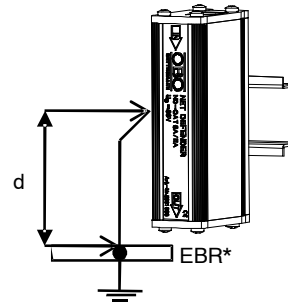


Fix earth clamp on "Net Defender" by screwing.



Earth connection will be done by earth clamp in case of hut-rail installation. Only earthing of the hut-rail is necessary.

Equipotential bonding on hut-rail



! Connection length (d) to earth should be as short as possible for optimal protection level U_p . Use local equipotential bonding!

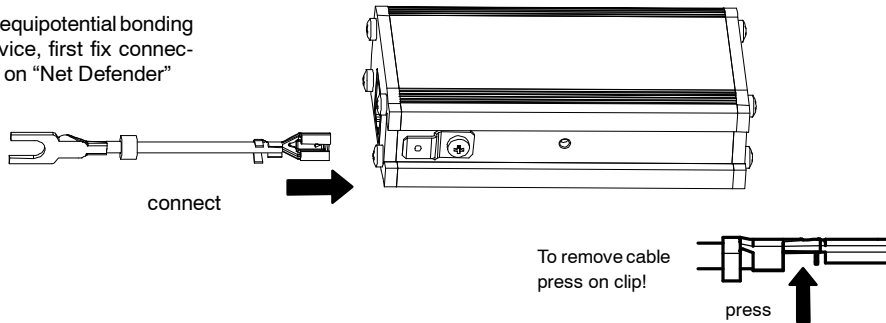
*Equipotential bonding rail

Technical Data / Technische Daten

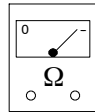
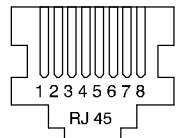
Typ	ND-CAT 6A/EA	
Max. Continuous Voltage DC	58 V	
Max. Continuous Voltage AC	41 V	
Load current I_L	1 A	
Nominal discharge current C2 (Line-Line)	150 A	
Nominal discharge current C2 (Total)	7 kA	
Protection level U_p (Line-Line)	120 V	
Protection level U_p (Line-Earth)	700 V	
U_{max} @ C3 (10A)	90 V	
Degree of protection	IP10	
Max. Frequency	500 MHz	
Channel performance	ANSI/TIA	ISO/IEC
	CAT 6A	Class EA

Protection for end device

To realize equipotential bonding at end device, first fix connection cable on "Net Defender"



Test procedure

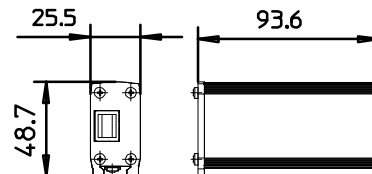


Pr1, Pr2, Pr3, Pr4 > 20MΩ → ok

Pr1, Pr2, Pr3, Pr4 < 20MΩ → replace

! Before measurement disconnect both sides of SPD from System!

Dimensions



LPZ 1→3

IEC 62305-4:2006

Class EA

ISO/IEC 11801:2008 Adm.2
EN 50173:2007

PoE

IEEE 802.3af

CAT 6A

ANSI/TIA/EIA 568-B

Testing standard: IEC 61643-21:2002



To handle channel performance of Class EA and CAT 6A it is necessary to use quality cabling. Cabling and components must be in accordance with ISO/IEC or ANSI/TIA/EIA standard.



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Sicherheitshinweise (D)

Es ist darauf zu achten, dass die maximale Betriebsspannung der Anlage die Ableiter-Bemessungsspannung U_C nicht übersteigt.

Um die Anforderungen der Netzwerk-Klassifikation (Channel-Link/Permanent-Link) erfüllen zu können, müssen die verwendeten Komponenten (Patchkabel, Verbindungsdosen) die Grenzwerte der jeweiligen Spezifikation einhalten.

SPD's sind gemäß ihrem Verwendungszweck für hohe elektrische und mechanische Belastungen ausgelegt. In seltenen Fällen kann jedoch bedingt durch Extrembelastungen eine Alterung der Ableiter auftreten, wodurch sich eine Einschränkung der Schutzfunktion einstellen kann. Daher ist eine Überprüfung der Ableiter in Intervallen von zwei bis vier Jahren oder nach einem direkten Blitzschlag sinnvoll.

Safety instructions (GB)

The maximum operating voltage of the installation must not exceed the design voltage U_C of the arrester.

To handle channel performance of Class EA and CAT 6A it is necessary to use quality cabling.

Cabling and components must be in accordance with ISO/IEC or ANSI/TIA/EIA standard.

In accordance with their purpose, surge arresters are designed for high electrical and mechanical loading. In rare cases, surge arresters may age if subjected to extreme loads. This limits the protection they can offer. It is therefore advisable to check the surge arrester every two to four years or after a direct lightning strike.

Indications de sécurité (F)

Norme di sicurezza (I)

E

CN

Veiligheidsaanwijzingen (NL)

P

Zasady instalacji (PL)

Turvaohjeet (FIN)

Sikkerhedsanvisninger (N)

JP