

nimbus 45

77901145

Early streamer emission lightning rod. Stainless steel AISI 316. Early streamer emission: 45 us. NFC 17-102:2011



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[Link to the product page](#)

Technical Data	Value	Units
Commercial data		
Code	77901145	
Part Number	nimbus 45	
Status	Available	
EAN	8435297843061	
Tariff code (HS)	8535.40.00	
Dimensions		
Product height	478,5	[mm]
Product width	85	[mm]
Product weight	3115	[gr]
General data		
Product standards	NF C 17-102:2011	
Certifications	CE; BUREAU VERITAS	
Housing color	Silver	
Insulating material & flammability class	Stainless steel 316	
Enclosure	IP 67	
Temperature range	-20 °C ... +80 °C	
Technical features		
Early streamer emission time	45	[μs]
Max. withstood current (10/350)	limp 200	[kA]
Min. cable section	50	[mm ²]
Max. flat tape width	30	[mm]
Min. flat tape width	25	[mm]
Max. flat tape thickness	6	[mm]

Min. flat tape thickness		2	[mm]
Protection radius based on the model of lightning rod (UNE 21186 / NFC 17-102)			
Level I (h=3 m)	D = 20 m	38	[m]
Level I (h=4 m)	D = 20 m	51	[m]
Level I (h=5 m)	D = 20 m	63	[m]
Level II (h=3 m)	D = 30 m	42	[m]
Level II (h=4 m)	D = 30 m	57	[m]
Level II (h=5 m)	D = 30 m	71	[m]
Level III (h=3 m)	D = 45 m	48	[m]
Level III (h=4 m)	D = 45 m	64	[m]
Level III (h=5 m)	D = 45 m	81	[m]
Level IV (h=3 m)	D = 60 m	54	[m]
Level IV (h=4 m)	D = 60 m	72	[m]
Level IV (h=5 m)	D = 60 m	89	[m]

Specification data

Nimbus 45

Description:

Electronic ESE lightning air terminal (rod, conductor, arrester) that provides 45 μ s Early Streamer Emission time according to the NFC 17 102 :2011 product standard. The capture device is mounted on a mast to protect structures and people from direct external lightning impact.

The electronic Early Streamer Emission technology captures and stores energy by making use of the electrical field created by the atmospheric gradient. No external power supplies are required for the device to operate. High frequency pulses are emitted to provide a low-impedance ionized path for discharge onto the lightning rod and then to earth.

Technical data:

Electronic ESE (Early Streamer Emission) lightning air terminal

Tested and certified to NF C 17-102:2011 by accredited independent laboratory

Early streamer emission time: 45 μ s

Radius of protection (h=5 m, Level IV of protection): 89 m

Maximum withstand lightning discharge current, Iimp (10/350 μ s): 200 kA

Material: stainless steel grade 316

Enclosure rate: IP 67

Weight: 3.115 g

Height: 478,5 mm

Bureau Veritas product certificate

On-site testable E.S.E. electronic circuit

Type: **Nimbus 45**

Part No.: **77901145**

1 Piece(s).

or equal

Certifications	Value	Units
Certifications	CE; BUREAU VERITAS	

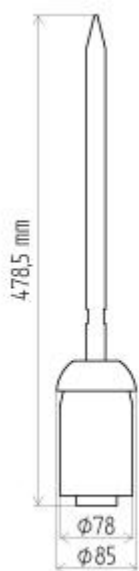
Accessories



Código	77902610
Referencia	P-ADAP D36,5
Description	Adapting piece Nimbus to mast, diameter 36,5 mm.

Wiring diagrams

Dimensions



Downloads

Data sheet	CPT-FT-LIGHTNING-PROTECTION-NIMBUS-45.pdf
Install sheet	CPT-FAP-PROTECCION-EXTERNA-CONTRA-EL-RAYO-NIMBUS.pdf
Specification text	CPT-LIGHTNING-PROTECTION-NIMBUS-45-77901145.txt

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