

# nimbus 60

77901160



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**Early streamer emission lightning rod. Stainless steel AISI 316. Early streamer emission: 60 us. NFC 17-102:2011**

Technical Data	Value	Units
<b>Commercial data</b>		
Code	77901160	
Part Number	nimbus 60	
EAN	8435297843351	
Status	Available	
Tariff code (HS)	8535.40.00	
<b>Dimensions</b>		
Packaging height	110	[mm]
Packaging width	200	[mm]
Packaging length	400	[mm]
Packaging weight	3760	[gr]
Product height	528,5	[mm]
Product width	85	[mm]
Product weight	3235	[gr]
<b>General data</b>		
Product standards	NF C 17-102:2011	
Certifications	CE; BUREAU VERITAS	
Insulating material & flammability class	Stainless steel 316	
Housing color	Silver	
Enclosure	IP 67	
Temperature range	-20 °C ... +80 °C	

### Technical features

Early streamer emission time		<b>60</b>	[ $\mu$ s]
Max. withstood current (10/350)	limp	<b>200</b>	[kA]

### Protection radius based on the model of lightning rod (UNE 21186 / NFC 17-102)

Level I (h=3 m)	D = 20 m	<b>47</b>	[m]
Level I (h=4 m)	D = 20 m	<b>63</b>	[m]
Level I (h=5 m)	D = 20 m	<b>79</b>	[m]
Level II (h=3 m)	D = 30 m	<b>52</b>	[m]
Level II (h=4 m)	D = 30 m	<b>69</b>	[m]
Level II (h=5 m)	D = 30 m	<b>86</b>	[m]
Level III (h=3 m)	D = 45 m	<b>58</b>	[m]
Level III (h=4 m)	D = 45 m	<b>78</b>	[m]
Level III (h=5 m)	D = 45 m	<b>97</b>	[m]
Level IV (h=3 m)	D = 60 m	<b>64</b>	[m]
Level IV (h=4 m)	D = 60 m	<b>85</b>	[m]
Level IV (h=5 m)	D = 60 m	<b>107</b>	[m]

### Technical features

Min. cable section		<b>50</b>	[mm <sup>2</sup> ]
Min. flat tape width		<b>25</b>	[mm]
Max. flat tape width		<b>30</b>	[mm]
Min. flat tape thickness		<b>2</b>	[mm]
Max. flat tape thickness		<b>6</b>	[mm]

## Specification data

### Nimbus 60

#### Description:

Electronic ESE lightning air terminal (rod, conductor, arrester) that provides 60  $\mu$ 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: 60  $\mu$ s

Radius of protection (h=5 m, Level IV of protection): 107 m

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

Material: stainless steel grade 316

Enclosure rate: IP 67

Weight: 3.235 g

Height: 528,5 mm

Bureau Veritas product certificate

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

Type: **Nimbus 60**

Part No.: **77901160**

1 Piece(s).

or equal

Certifications	Value	Units
Certifications	<b>CE; BUREAU VERITAS</b>	

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## Accessories



Código	77902610
Referencia	P-ADAP D36,5
Description	<b>Piece of adjustment Nimbus to mast, diameter 36,5 mm.</b>

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## Downloads

Data sheet	<a href="#">CPT-FT-LIGHTNING-PROTECTION-NIMBUS-60.pdf</a>
Install sheet	<a href="#">CPT-FAP-PROTECCION-EXTERNA-CONTRA-EL-RAYO-NIMBUS.pdf</a>
Specification text	<a href="#">CPT-LIGHTNING-PROTECTION-NIMBUS-60-77901160.txt</a>

## Address