

Datasheet FT-91166

PARCAP6S6I : Early Streamer Emission (ESE) air terminal 60µs

Edited on 22/12/2022

Description

Early Streamer Emission (ESE) terminal for proactive structural lightning protection, triggering time $\Delta_t = 60\mu s$. Terminal and shaft in stainless steel. Designed to reduce point effect.

Dimensions

Ø max: 28mm

Length: 215cm (with stainless shaft of 150cm)

Weight : 3.5kg

Delivered with an attachment collar for 30x2mm flat tape conductors or Ø8mm round conductors.

Complies with the NFC17-102 :2011 standard.

Technical features

Protection radius listed below are based on the 2011 NFC17-102 standard according to the height and the required lightning protection level*:

Height (m)	2	3	4	5	6	10	15	20	30	45	60
LEVEL I	32	48	63	79	79	79	80	80	80	80	80
LEVEL II	34	52	69	86	87	88	89	89	90	90	90
LEVEL III	39	58	78	97	97	99	101	102	104	105	105
LEVEL IV	43	64	86	107	107	109	111	113	116	119	120

* Values can vary when facilities are subject to specific regulations.

Height (m)	2	3	4	5	6	10	15	20	30	45	60
LEVEL I	19	23	37	47	47	47	48	48	48	48	48
LEVEL II	20	31	41	52	52	53	53	53	54	54	54
LEVEL III	23	35	47	58	58	59	60	61	62	63	63
LEVEL IV	26	38	52	64	64	65	65	68	70	71	72

Installation requirements

Device to be installed at least 2 meters above the highest point of the structure. Can be fastened directly with a sleeve or an adapted mounting bracket (for church towers or pylons) or thanks to an extension mast (2.3m and 5m) + tripod (see catalogue for all available products).

According to the 2011 NFC 17-102 standards, such installation requires 2 down conductors.

Other versions

Available in a copper material: ref PARCAP6S6C code 91167.

Available with a 2.5m-long mast (total length 3m) : PARCAP6S6IL

Available with LED fault light indicator (solar panel): ref PARCAPIDV code 91199

Accessories and spare parts

Telescopic tester: PARTESTP7NT code 091197

attachment collar PARFIXC28 (094923)

