



IEC-61243-1
Edition 2
2003 + AC1: 2005 + A1: 2009



DESCRIPTION

IEC electronic voltage detector "Ultra compact series" for indoor and outdoor use.
Ultimate "head capacitive technology" of voltage detector.
Universal application 50 / 60 Hz and wide band of voltage.
Maximum voltage range : $Un_{max} / Un_{min} = 3.6$

OPERATING CONDITIONS

Voltage presence is indicated by:

- Red flashing LED (very bright, visible at more than 20 m in direct lighting).
- Powerful rated audible signal > 67 dB (A) / 1.5 m, below 80 dB as required by the articles R.4213-5, R.4213-6, R.4431-1 and 4437-4. Noise > 80 dB is dangerous for an operator.

Operating check:

- By pressing the Test button, correct operation is indicated by red LED flashing on and a sound signal.
- After releasing the Test button, a timed green LED lights on.
It indicates the good working order of the detector.

CHARACTERISTICS

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| <ul style="list-style-type: none">• Nominal range: see below.• Dielectrically tested on substation bars.• Precise and stable operating threshold.• Reduced sensitivity to induced voltages and to interference field.• High environmental resistance (impacts, vibrations, moisture).• Robust thermoplastic housing. | <ul style="list-style-type: none">• Temperature conditions: class N (-25 to 55°C)• Power supply: 1 standard 9 V battery 6LR61• Network frequencies: 50 and 60 Hz• From 2 kV up to 72.5 kV• Dimensions of the detector: Ø 59 x 270 mm.• Weight of the detector: 0,35 kg.• Contact electrodes fitted to the body by screwing and easily interchangeable.• Packaging: supplied in a caring bag• In compliance with the standard IEC 61243-1 Ed 2 (2003) + AC1: 2005 + A1: 2009. |
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End fitting :

End fitting "C": hexagonal male 12 mm on flats, for hexagonal end fitting sticks.
(CC-765-xx/yy-C)



End fitting "K": for Universal end fitting sticks
(CC-765-xx/yy-K)

Technical details:

Main references

References	Un _{min} (xx)	Un _{Max} (yy)
CC-765-2/72-(*)	2 kV	7,2 kV
CC-765-3/10-(*)	3 kV	10 kV
CC-765-5/18-(*)	5 kV	18 kV
CC-765- 5,5/20-(*)	5,5 kV	20 kV
CC-765-10/30-(*)	10 kV	30 kV
CC-765-10/36-(*)	10 kV	36 kV
CC-765-11/33-(*)	11 kV	33 kV
CC-765-15/45-(*)	15 kV	45 kV
CC-765-20/66-(*)	20 kV	66 kV
CC-765-30/66-(*)	30 kV	66 kV
CC-765-44/132-(*) (1)	44 kV	132 kV
CC-765-63/90-(*) (1)	63 kV	90 kV

(*) End fitting: C or K

(1) supplied with 1 hook-shaped contact electrode CC-ANT 120 (Ø120 mm)

**Other voltage range are available on request → contact us for more information**

Rules for a specific voltage range:

1. $Un_{max} / Un_{min} \leq 3.6$
2. $Un_{min} \geq 2 \text{ kV}$
3. $Un_{max} \leq 72.5 \text{ kV}$

Supplied in a rigid packaging:



VOLTAGE DETECTOR CC-765-xx/yy

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