

# GROMOSTAR / OMEGA

ESE lightning protection

product technical card



Qualifoudre  
INERIS  
Nr 062396093045



## Lightning discharge counter PLW-02.B



### Characteristics and application

Lightning discharge counter CCF-PIY-N-02.B is used for the recording of all direct lightning discharges into the external lightning protection system. Its operation consists in the counting of the electromagnetic field impulses as generated by the lightning discharge current running through the down conductor of the lightning protection system. The conductor and the circuit of the counter are electrically isolated from each other with a dielectric layer, which guarantees safe operation. Discharges are recorded on a 4 digit embedded electromechanical counter. The counter does not require battery power.

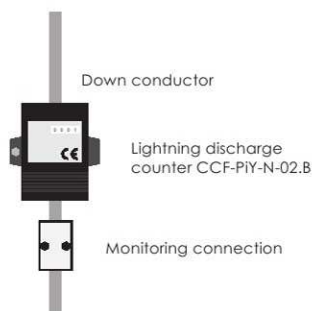
### Operation

Reading of the number of discharges within the range from 0 to 9999 takes place directly from the reading field. Cancellation and testing by an authorized maintenance technician is possible.

### Technical data

Min. current recorded $I_d$	1 kA
Max. current recorded $I_{max}$	100 kA
Tightness	IP 65
Working temperature range	-40°C +85°C
Supply	not required
Dimensions (mm)	75 x 80 x 25
Weight (kg)	0,2
External materials	ABS material black in colour

### Schematic diagram of the system



### Assembly principles

The counter is installed on the down conductor of the lightning protection system at a convenient place above the monitoring connection, usually at the height of 1.5-2 m above the ground. The assembly consists in the tightening of the counter to the conductor with the help of 2 Allen bolts and metal washer.

### Standard met by the product:

PN-EN 50164-6  
UTE C 17-106

Warranty period: 2 years

Distributor:

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