

NEWSLETTER

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Grounding System Monitor (G-Check)



Grounding System Monitors to ensure protection against surges.

A grounding system prevents contact voltages in solid metal from exceeding those permissible for people by allowing voltage leakage; this ensures correct and safe discharge of currents caused by voltage surges. International standard **IEC 60479** (effects of current on human beings and livestock) parts 1 and 2, addresses the effects of electric current on the human body in detail. These effects have fatal outcomes depending on the current and duration.

Having proper grounding and checking it regularly is very important. A ground in proper condition avoids risk of death for people and destruction of property. At the same time, a ground in proper condition also ensures protection against surges (transient over-voltages).

A comprehensive lightning and surge protection system does ultimately rely on the status of the grounding.



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Rather than a classic earth tester which can be used to duly measure and check the status of the grounding, the ideal approach is to constantly monitor sites, especially remote ones, for accidental grounding disconnection, deterioration of the installation grounding or terrain, equipment theft, etc. This can best be accomplished with a standalone, compact DIN-rail mountable device for installation in panels, applied in TT and TNS networks.

Cirprotec has developed a revolutionary product that checks the grounding installation status in real time and triggers a warning system if the installation is defective or deteriorated. **G-Check** is the first product on the market designed for continuous monitoring of grounding installations. **G-Check** is a standalone, compact DIN-rail mountable device for installation in panels.



Type 1+2 Pluggable Surge Protectors



Type 2 Pluggable Surge Protectors



Type 2&3 Surge Protectors - EMI Filter



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