

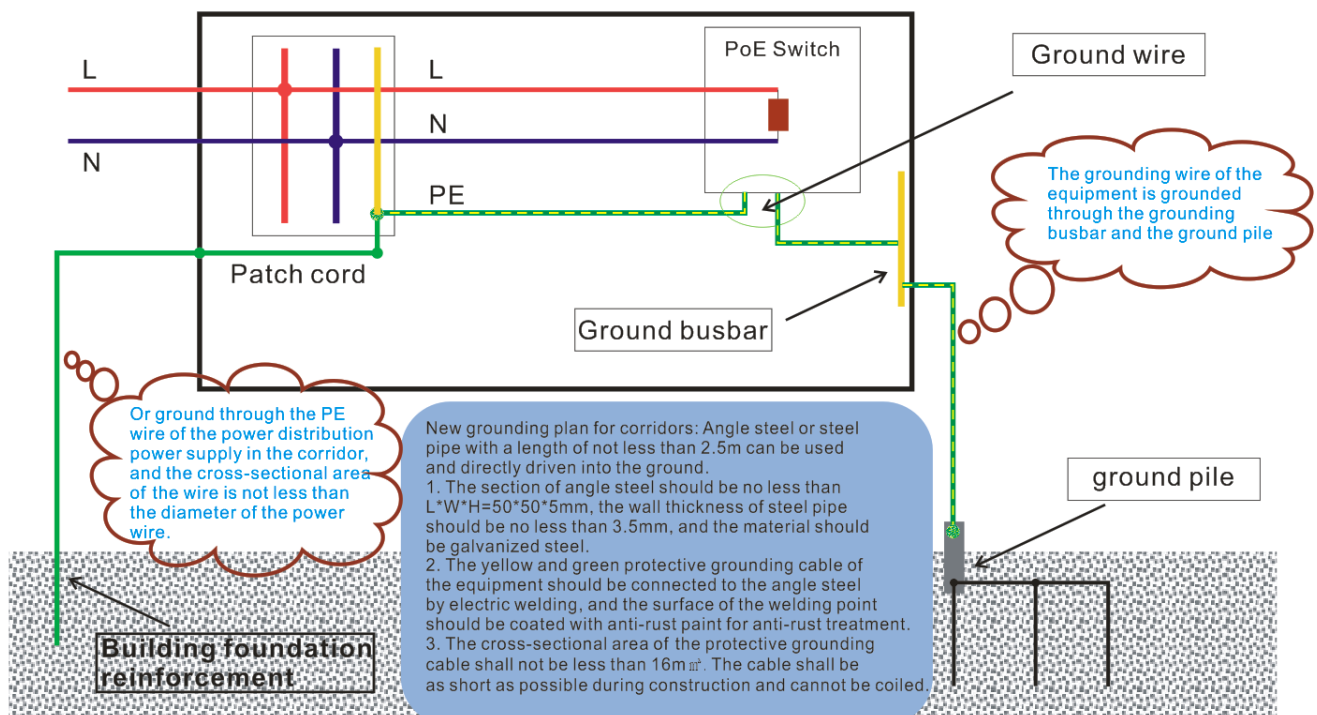
Connecting the Switches which offers 6Kv surge protections to Earth ground

To meet safety and electromagnetic interference (EMI) requirements and to ensure proper operation, All the Switches must be adequately grounded before power is connected. To ground the switch, you must connect a grounding cable to earth ground and then attach it to the rack grounding points.

Systems that do not use electrical grounding components can experience either complete system failures or intermittent problems that are hard to diagnose. The surges and spikes can cause permanent damage, like how a nearby lightning strike can burn electronics and wires. They may also cause small latent failures that erode equipment and cause permanent damage over time.

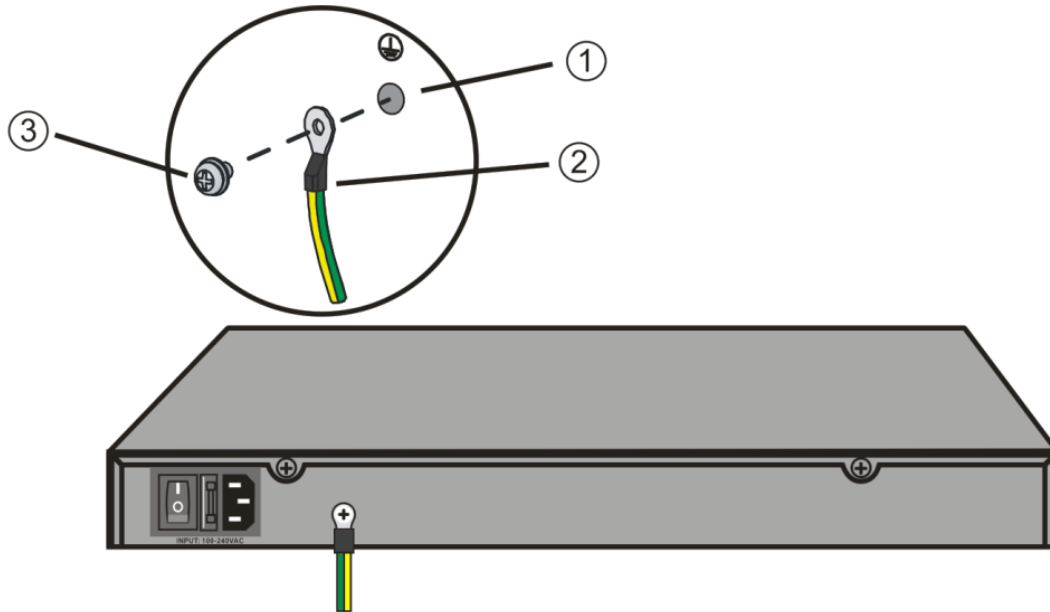
Please see below images about grounding connections from switch. If without grounding cable then the lighting or surge will damage the chip or protection components.

Figure 1 illustrates how a grounding cable connect to the PoE Switches.



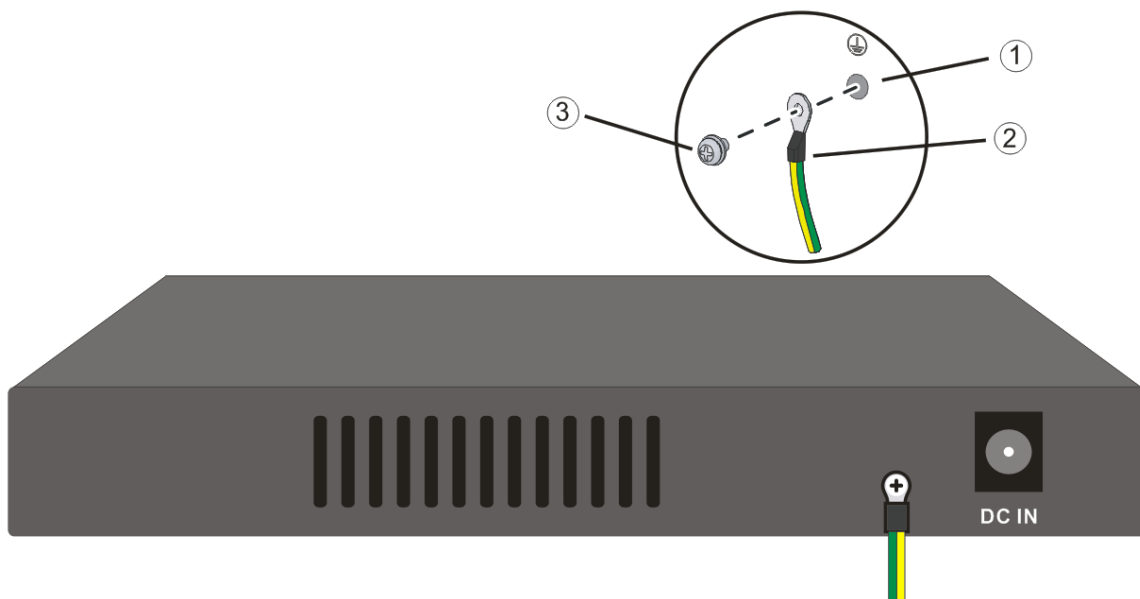
To meet safety and electromagnetic interference (EMI) requirements and to ensure proper operation, all the Switches which offers 6Kv surge protections are must be adequately grounded before power is connected.

[Figure 2](#) illustrates how a grounding cable connects to the Switch **DG-GS1528HP/C**



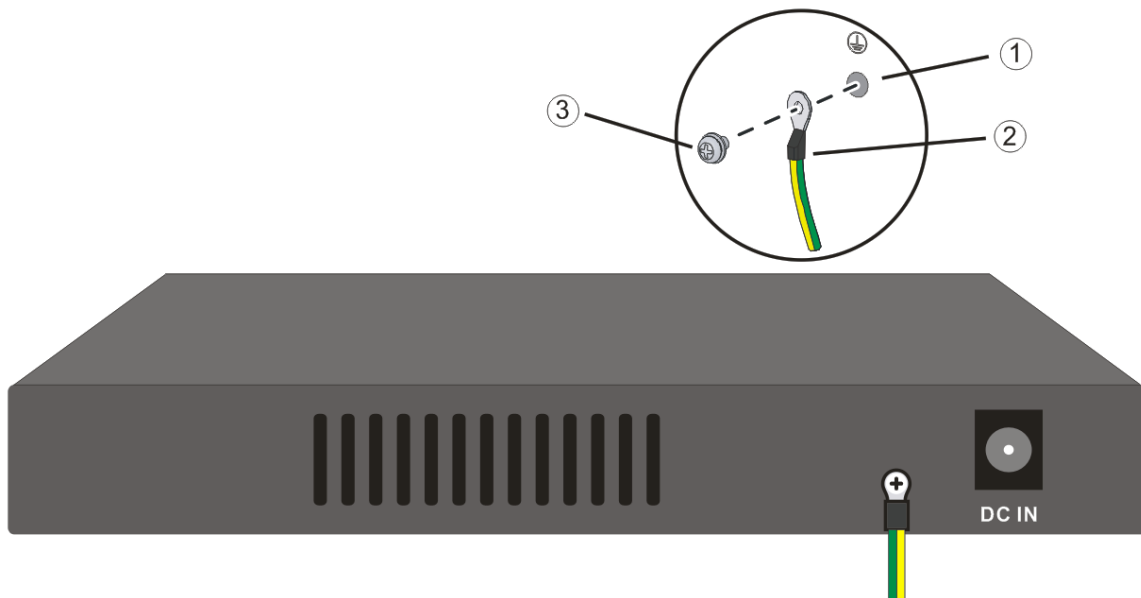
You must ground the Switch **DG-GS1528HP/C** by connecting a grounding cable to earth ground and then attaching it to the chassis grounding points using one M3 screw.

[Figure 3](#) illustrates how a grounding cable connects to the Switch **DG-GS1510PL**



You must ground the switch **DG-GS1510PL** by connecting a grounding cable to earth ground and then attaching it to the chassis grounding points using one M3 screw.

[Figure 4](#) illustrates how a grounding cable connects to the Switch **DG-GS4110**



You must ground the switch **DG-GS4110** by connecting a grounding cable to earth ground and then attaching it to the chassis grounding points using one M3 screw.

NOTE

The device should be permanently connected to ground during operation.