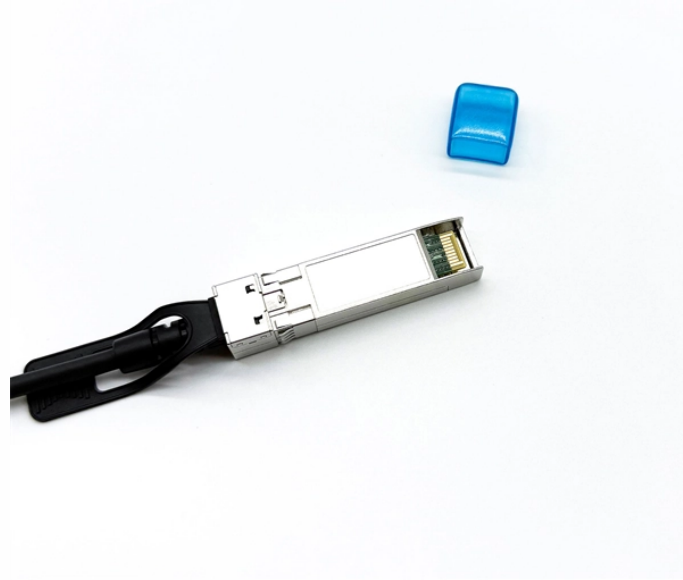


# Protection against electric shock in high-voltage distribution boxes



## Protection against electric shock in high-voltage distribution boxes



To be considered as providing effective protection against direct contact hazards, these equipment must possess a degree of protection equal to at least IP 2X or IP XXB (see Protection ...



As already seen in the previous chapters, in most electrical systems a reliable and safe protection is realized by combining the protection functions against overcurrent with those against earth faults, ...



The major concern for system protection is protection against the effects of destructive, abnormally high currents. These abnormal currents, if left unchecked, could cause fires or explosions resulting in risk ...



The fundamental rule of protection against electric shock is provided by the document IEC 61140 which covers both electrical installations and electrical equipment.



Sometimes called switchboard mats, these nonconductive mats protect against shock by preventing the worker from being grounded if an electrical discharge occurs. These mats are used in high-voltage ...



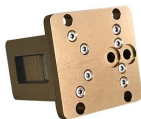
Protection against electric shock shall be provided by basic protection provision (against direct contact) and by fault protection provision (against indirect contact).



This Part 4-41 of IEC 60364 deals with protection against electric shock as applied to electrical installations. It is based on IEC 61140 which is a basic safety standard that applies to the protection ...



All metal enclosing or encasing electrical circuits shall be grounded or provided with equivalent protection. This requirement does not apply to battery-operated equipment.



A high-voltage surge (lightning) arrester is attached to the tank to protect it from faults. There are low-voltage bushings on the side that connect to the secondary lines.



Use touch-safe terminal blocks for voltages above 50V. Install clear polycarbonate covers over high-voltage connections.

## Contact Us

For more information, pricing, or custom network solutions, please contact us:

Website: <https://www.hashherbcafe.co.za>

Email: [hello@hashherbcafe.co.za](mailto:hello@hashherbcafe.co.za)

Phone: +27 63 814 7295

Address: 15 Galaxy Road, Linbro Business Park, Johannesburg, 2065, South Africa

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