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**Health informatics — Personal health  
device communication —**

**Part 10427:**

**Device specialization — Power status  
monitor of personal health devices**

*Informatique de santé — Communication entre dispositifs de santé  
personnels —*

*Partie 10427: Spécialisation des dispositifs — Moniteur de l'état de  
puissance des dispositifs de santé personnels*

ISO/IEEE 11073-10427:2018

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**Health informatics—Personal health device communication**

# **Part 10427: Device specialization— Power Status Monitor of Personal Health Devices**

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**Abstract:** Guidelines for establishing criteria for application, performance, interchangeability, tests, life cycle costs, and safety requirements of traction power rectifier transformers are established in this standard. Set forth are the electrical, mechanical and thermal design, manufacturing, and testing requirements for traction power rectifier transformers for dc electrification systems. Covered in this standard are liquid-immersed and dry-type transformers, including those with cast coil and epoxy resin encapsulated windings.

**Keywords:** basic lightning impulse insulation, BIL, commutating impedance, design optimization, electrical requirements, factory tests, ferroresonance, heavy rail, hot spot, IEEE 1653.1™, light rail, load cycle, overvoltage transient, partial discharge (PD) service conditions, tests, traction power duty cycle, traction power rectifier transformers, transit application

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