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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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Introduction

This introduction is not part of IEEE Std 11073-10427-2016, Health Informatics—Personal health device communication—Part 10427: Device Specialization—Power Status Monitor of Personal Health Devices.

ISO/IEEE 11073 standards enable communication between medical devices and external computer systems. This document uses the optimized framework created in ISO/IEEE 11073-20601 and describes a specific, interoperable communication approach for power status monitor of personal health devices (PHDs). These standards align with and draw on the existing clinically focused standards to provide support for communication of data from clinical or PHDs.

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