PC62.42.4

Submitter Email: m.j.maytum@ieee.org
Type of Project: New IEEE Standard
PAR Request Date: 01-Oct-2013
PAR Approval Date: 11-Dec-2013
PAR Expiration Date: 31-Dec-2017
Status: PAR for a New IEEE Standard

1.1 Project Number: PC62.42.4
1.2 Type of Document: Guide
1.3 Life Cycle: Full Use

2.1 Title: Guide for the Application of Surge-Protective Components in Surge Protective Devices and Equipment Ports - Part 4 Thermally Activated Current Limiters

3.1 Working Group: 3.6.3 LV Surge Protective Device Components Application Guide WG (PE/SPDLV/LV3.6.3)
Contact Information for Working Group Chair
Name: Michael Maytum
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None

3.2 Sponsoring Society and Committee: IEEE Power and Energy Society/Surge Protective Devices/Low Voltage (PE/SPDLV)
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4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 12/2014
4.3 Projected Completion Date for Submittal to RevCom: 05/2015

5.1 Approximate number of people expected to be actively involved in the development of this project: 15
5.2 Scope: The C62.42 guide series covers surge protective components (SPCs) used in power and telecom surge protective devices (SPDs) and equipment ports. This part, Part 4 of the C62.42 series, describes thermally activated current limiter SPCs and covers:
-Technology variants
----polymer positive temperature coefficient thermistors
----ceramic positive temperature coefficient thermistors
-Component construction
-Characteristics
-Ratings
-Application examples

5.3 Is the completion of this standard dependent upon the completion of another standard: Yes
If yes please explain: PC62.42 the overview of all technologies as it is the lead part of the PC62.42 series and will be a normative reference.

5.4 Purpose: This document will not include a purpose clause.
5.5 Need for the Project: This guide is to support the C62.39-2012 IEEE Standard for Test Methods and Preferred Values for Self-Restoring Current-Limiter Components Used in Telecommunication Surge Protection

5.6 Stakeholders for the Standard: manufacturers, designers and users of low-voltage power, data, communications and signalling circuits or

components

Intellectual Property
6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No
6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

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7.1 Are there other standards or projects with a similar scope?: No
7.2 Joint Development
Is it the intent to develop this document jointly with another organization?: No

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8.1 Additional Explanatory Notes (Item Number and Explanation): #5.3: The previous work on PC62.42 created a document that was approaching 400 pages and became unworkable. The WG 3.6.3 agreed that a more sensible arrangement would be to break PC62.42 into parts; an overview giving technology basics supported by technology specific sub-parts with detailed information on a particular technology.
#2.1: The near term deliverables for the PC62.42 series using materials from the previous work are
C62.42 Guide for the Application of Surge-Protective Components in Surge Protective Devices and Equipment Ports - Overview (PAR approved, 90 % written)
C62.42.1 Guide for the Application of Surge-Protective Components in Surge Protective Devices and Equipment Ports - Part 1 Gas Discharge Tubes (GDTs) (In ballot)
C62.42.2 Guide for the Application of Surge-Protective Components in Surge Protective Devices and Equipment Ports - Part 2 Metal-Oxide Varistors (MOVs) (PAR approved, 50 % written)
C62.42.3 Guide for the Application of Surge-Protective Components in Surge Protective Devices and Equipment Ports - Part 3 Silicon PN-Junction Clamping Diodes
C62.42.4 Guide for the Application of Surge-Protective Components in Surge Protective Devices and Equipment Ports - Part 4 Thermally Activated Current Limiters
C62.42.5 Guide for the Application of Surge-Protective Components in Surge Protective Devices and Equipment Ports - Part 5 Electronic Current Limiters
C62.42.6 Guide for the Application of Surge-Protective Components in Surge Protective Devices and Equipment Ports - Part 6 High Frequency Signal Isolation Transformers