ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L74333 - SURGE SUPPRESSION

Document Number: **CRL1-XRL-Z3-ADDSD-CR001-50096**

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5.0	27-Aug-2015	[redacted]	[redacted]	[redacted]	Labelling Section Updated

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1 Introduction

1.1 Asset Details

Class Code: L74333

Class Name: Surge Suppression

Class Lineage: Construction Products**>**Services**>**Electric power and lighting services products**>**Protection devices**>**Lightning conductors**>**Surge Suppression

1.2 Description

Surge suppression is an appliance designed to protect electrical devices from voltage spikes by either blocking or by shorting to ground any unwanted voltages above a safe threshold. Where surge suppresors are part of a larger asset such as a switch board it is not expected that they will be identified seperately, they should be identified when they are located in their own enclosures such as next to distribution boards.

1.3 Related Functions

All information on the configuration of asset classes (L-Class) to functions is contained within the latest revision of the Asset Data Dictionary Master Configuration document (eB ref: CRL1-XRL-Z3-ADDSD-CR001-50186)

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2 Asset Tag Identification Rules

Assets will be identified as required by the Asset Identification Standard (CRL1-XRL-O6-STD-CR001-00031) in the following format:

<LCS Code>-<Function Code>-<Incremental number to ensure uniqueness>

e.g. CR076-BAF-12345

Information and guidance on the standard naming convention for all asset classes is contained within the latest revision of the Asset Naming Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413).

2.1 Example Images

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3 Attributes

3.1 Generic Attributes

All Classes of assets will have a set of Generic Attributes for which data is collected without exception. Full details relating to these assets can be found at:

AD4 – Generic Attributes CRL1-XRL-Z3-ADDSD-CR001-50069

3.2 Class Specific Attributes

Below is a table of the further specific attributes which are associated with this asset class.

Attribute Name	**Base Unit or Formula**	**Value Type** (See Below)	**Decimal Places** (nu Only)	**Defined Values List** (pd only)	**Description**
Full Load Current (Amps)	Amps	NU	0		The surge current capacity per phase
Input Voltage (Volts)	Volts	NU	0		The rated input voltage
Monitoring		PD		Single Phase 3 Phase	Does the device protect a single or 3 phase circuit.
Mounting		CH			Is the device part of a panel/switchboard or mounted separately in an enclosure.
Time (Seconds)	Seconds	NU	0		The response time

pd = Predefined List (Listed Values Only)
nu = Numeric (dp and number format can be stipulated)
ch = Free text (Max 255 Characters)
da = Date (dd-mm-yyyy)
me = Memo (Free text 1GB Limit)

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4 Performance Data

This section is to be used to specify the performance data to be gathered from this Class of asset when in operation. To be populated once the performance measures have been agreed with the Infrastructure Managers.

5 Labelling

Information and guidance on the standard labelling convention for all asset classes is contained within the latest revision of the Asset Naming and Labelling Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413).

6 Other Information

Not Applicable

7 Reference Material

- Asset Data Dictionary Master Configuration - CRL1-XRL-Z3-ADDSD-CR001-50186
- Asset Identification Standard - CRL1-XRL-O6-STD-CR001-00031
- AD4 – Generic Attributes - CRL1-XRL-Z3-ADDSD-CR001-50069
- Asset Naming Convention Document - CRL1-XR1-Z3-ADDSD-CR001-50413

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8 Crossrail Technical Approvals

Name	Role	Date
[redacted]	Lead Mechanical & Electrical Plant (MEP) Engineer	19-Sep-2014

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