ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L74612 – DISTRIBUTION BOARDS

Document Number: **CRL1-XRL-Z3-ADDSD-CR001-50163**

Document Revision: **5.0**

Learning Legacy Document

Document History:

Revision:	Date:	Prepared by:	Checked by:	Authorised by:	Reason for Issue:
000	02-Feb-2012	[redacted]	[redacted]	[redacted]	First Issue
2.0	11-Oct-2013	[redacted]	[redacted]	[redacted]	Standardisation of Attribute Names and New Branding
3.0	03-Jun-2014	[redacted]	[redacted]	[redacted]	Image Changed Asset Tag Identification Section Updated
4.0	19-Sep-2014	[redacted]	[redacted]	[redacted]	Approvals Added Consultations Removed
5.0	27-Aug-2015	[redacted]	[redacted]	[redacted]	Labelling Section Updated

This document contains proprietary information. No part of this document may be reproduced without prior written consent from the chief executive of Crossrail Ltd.

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited **RESTRICTED**

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System
© Crossrail Limited RESTRICTED

Contents

1 Introduction 4
1.1 Asset Details 4
1.2 Description 4
1.3 Related Functions 4
2 Asset Tag Identification Rules 5
2.1 Example Images 5
3 Attributes 6
3.1 Generic Attributes 6
3.2 Class Specific Attributes 6
4 Performance Data 8
5 Labelling 8
6 Other Information 8
7 Reference Material 8
8 Crossrail Technical Approvals 9

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System
© Crossrail Limited RESTRICTED

1 Introduction

1.1 Asset Details

Class Code:	L74612
Class Name:	Distribution boards
Class Lineage:	Construction Products>Services>Electric power and lighting services products>Distribution devices>Power supply control devices>Distribution boards

1.2 Description

A distribution board is a component of an electricity supply system which divides an electrical power feed into subsidiary circuits, while providing a protective fuse or circuit breaker for each circuit, in a common enclosure.

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)

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited RESTRICTED

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

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited RESTRICTED

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**
Bus-bar rating (Amps)	Amps	NU	0		The current rating of the bus-bar system
Depth (Millimetres)	Millimetres	NU	0		Overall depth of cabinet
Form of construction		PD		Form 4b Type 6 Form 4a Type 3	The Form of construction for Primary switchboards and Sub-distribution switchboards
Height (Millimetres)	Millimetres	NU	0		Overall height of cabinet
Incomer type		PD		Switch/MCCB ACB	Incomer type and protection size
Incoming ACB or switch rating (Amps)	Amps	NU	0		The maximum safe working current of the equipment
Input Voltage (Volts)	Volts	NU	0		Voltage at which the equipment is supplied
IP Rating		CH			Usually IP31, but IP54 in damp and dusty areas
Max Fault current (K Amps)	K Amps	NU	2		The maximum fault current at which the equipment will clear a fault.
Number of Interfaces (#)	#	NU	0		The maximum number of circuits the board can accommodate

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited RESTRICTED

Attribute Name	**Base Unit or Formula**	**Value Type** (See Below)	**Decimal Places** (nu Only)	**Defined Values List** (pd only)	**Description**
Number of Outgoing Ways (#)	#	NU	0		The number of outgoing ways
Width (Millimetres)	Millimetres	NU	0		Overall width of cabinet

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)

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited RESTRICTED

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

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited RESTRICTED

8 Crossrail Technical Approvals

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

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System
© Crossrail Limited RESTRICTED