Test Datasheet

Low Voltage Circuit Breaker
Ground Fault Function Test
ID: MSA - DBSD1
Test: Acceptance Testing
Date: January 10, 2022

Project Information

Customer Name	Project Name	Project Number	Site Name
Helix Electric	Ava Arts District	2201000	Ava Apartments

Site Address	City	State
2367 Sunset Avenue	Los Angeles	CA

Nameplate Information

Substation:	Switchboard ID:	Feeder ID:	Voltage Rating	Frame Rating	Trip Rating
Unit Sub 3	MSA	DBSD1	480V	1200A	1000A

Manufacture	Breaker Type	Serial Number:	Cat. Number:	AIC @rated Voltage	Curve Type	trip Unit
Eaton	RDC4	MX3456789	MX3456789	65K	LSIG	Micrologic 6.0

Settings

As-Found Settings

Element:	Set Point:	Range:	In/Out:
Ground-Fault pick up	2.5	0.5-6	
Ground-Fault Delay	2	1-3, In/out	In

As-Left Settings

	Pick Up:	Range:	In/Out:
Ground-Fault pick up	2.5	0.5-6	
Ground-Fault Delay	2	1-3, In/out	In

Visual Mechanical Inspection

Element:	Status:	Note:	Element:	Status:	Note:
Arch Chutes	Acceptable		Trip Latch	Acceptable	
Contact Condition	Acceptable		Primary Stabs	Acceptable	
Contact Sequence	Acceptable		Control Contacts	Acceptable	
Contact Condition	Acceptable		Cell/Cradle Condition	Acceptable	
Interlocks	Acceptable		Electrical Operator-Trip	Acceptable	
Operating Mechanism	Acceptable		Electrical Operator-Close	Acceptable	

Low Voltage Circuit Breaker

ID: MSA - DBSD1

Test Data

Element:	Setting:	Test Current:		A-ph Pick up:	B-ph Pick up:	C-ph Pick up:	Min/Max Tolerance:
Ground-Fault PU	1	400A	@ 100%	410A	410A	410A	360A-440A
Ground-Fault Delay	3	600A	@ 150%	540A	1250A	1250A	540A-660A

Contact Resistance

A-phase:	B-Phase:	C-Phase:	Evaluation
246	251	234	Pass

Insulation Resistance

Voltage:	A-Phase (closed):	B-Phase (closed):	C-Phase (closed):	A-Phase (Open):	B-Phase (Open):	C-Phase (Open):
1000V	2.2G	2.2G	2.2G	2.2G	2.2G	2.2G

Test Equipment

Equipment	Cal. expiration Date:	Equipment	Cal. expiration Date:	Equipment	Cal. expiration Date:
PI-1600	jan/2/2022	PI-1600	jan/2/2022	PI-1600	jan/2/2022

Notes

Field Technicians

Lead Field Technician:	Field Technician(s):	Field Technician(s):
Miguel Barroso	John Brown	