

Record of Protective Relay Test Results

Performed By:

CEMIRT

Base:	Dyess AFB TX	Relay:	Multifunction
Substation:	Alpha	Device:	Microprocessor
Feeder:	A1 East Housing	Manufacturer:	GE
Tested By:	Mr. Willet/SSgt Miron	Inst. Bklt:	GEK-86132
Date Tested:	08/24/2016	Relay Test Set:	Megger MPRT 8430

Setting:	Value:	Description:
RID	1	CEMIRT Relay Identifier
Circuit Designator	A1	Circuit Identifier
Model	SR 760	MFG Model Type
Serial Number	B70272	MFG Serial Number
Phase Time OC1		
Pickup	0.30	Pickup Current x5
Curve	Extremely Inverse	Time Curve Shape
Multiplier	1.20	Time Curve Multiplier
Neutral Time OC1		
Pickup	0.15	Pickup Current x5
Curve	Extremely Inverse	Time Overcurrent Curve
Multiplier	1.20	Time Curve Multiplier

Relay 1: A-Phase Pickup Test

Actual Pickup (Amps)	Expected Pickup (Amps)	Min Range (Amps)	Max Range (Amps)	Pass/Fail (Result)
1.50	1.50	1.42	1.58	Pass

Relay 1: B-Phase Pickup Test

Actual Pickup (Amps)	Expected Pickup (Amps)	Min Range (Amps)	Max Range (Amps)	Pass/Fail (Result)
1.50	1.50	1.42	1.58	Pass

Relay 1: C-Phase Pickup Test

Actual Pickup (Amps)	Expected Pickup (Amps)	Min Range (Amps)	Max Range (Amps)	Pass/Fail (Result)
1.50	1.50	1.42	1.58	Pass

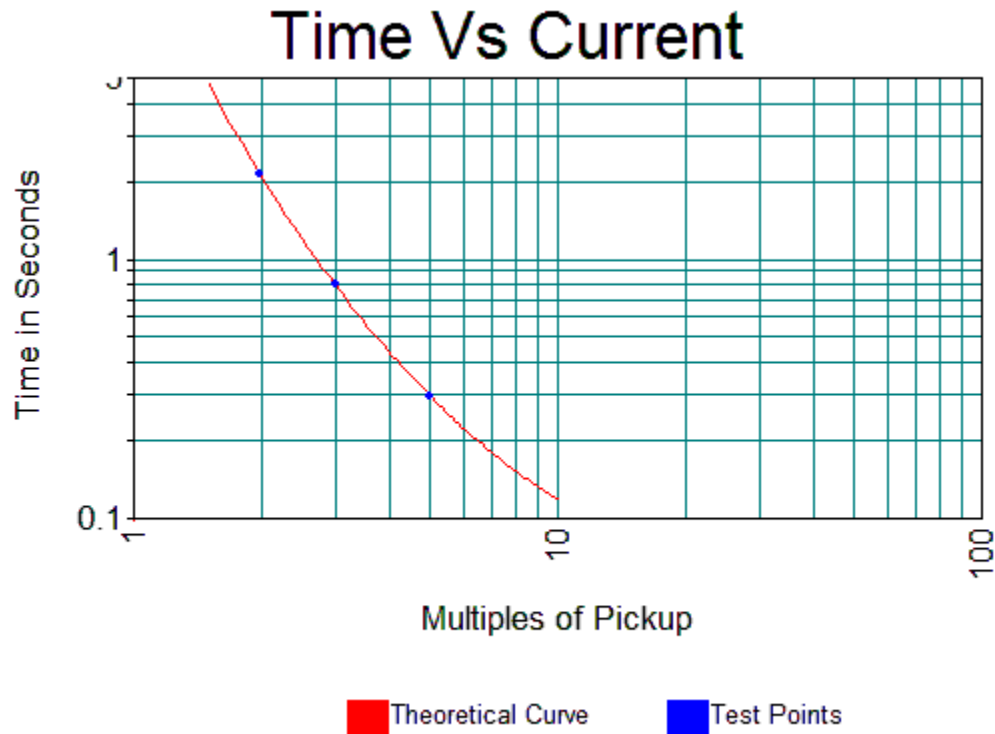
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Relay 1: A-Phase Time Overcurrent Test



Multiple (X Tap)	Actual Time (Seconds)	Expected Time (Seconds)	Min Range (Seconds)	Max Range (Seconds)	Pass/Fail (Results)
2.00	2.11	2.09	1.99	2.20	Pass
3.00	0.80	0.79	0.75	0.83	Pass
5.00	0.29	0.30	0.28	0.31	Pass

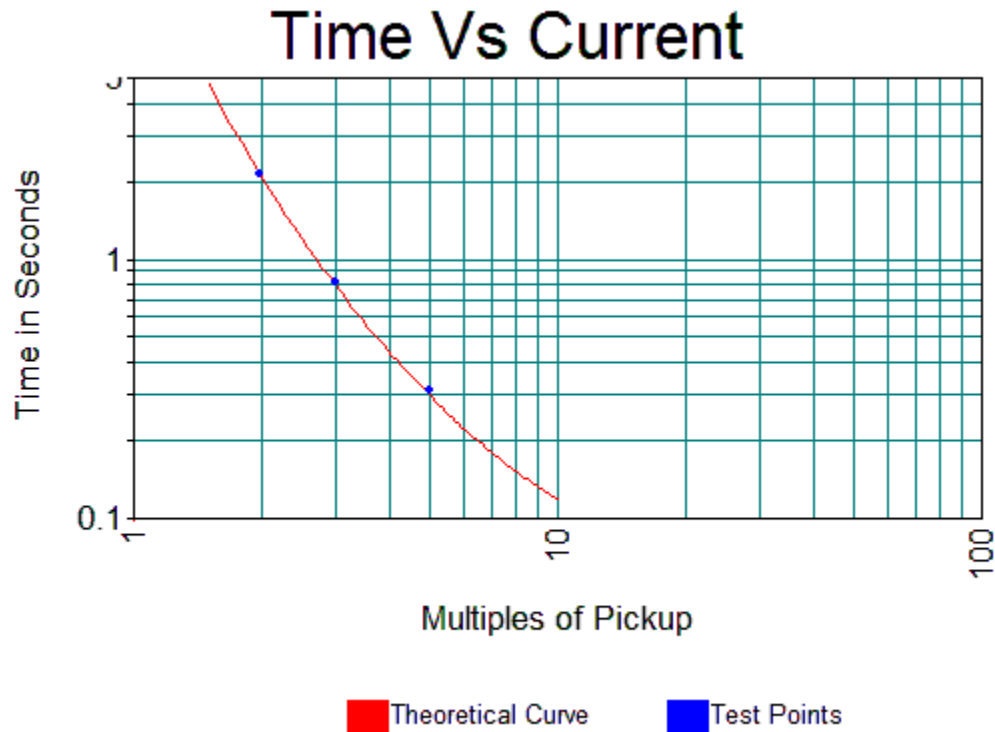
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Relay 1: B-Phase Time Overcurrent Test



Multiple (X Tap)	Actual Time (Seconds)	Expected Time (Seconds)	Min Range (Seconds)	Max Range (Seconds)	Pass/Fail (Results)
2.00	2.10	2.09	1.99	2.20	Pass
3.00	0.81	0.79	0.75	0.83	Pass
5.00	0.31	0.30	0.28	0.31	Pass

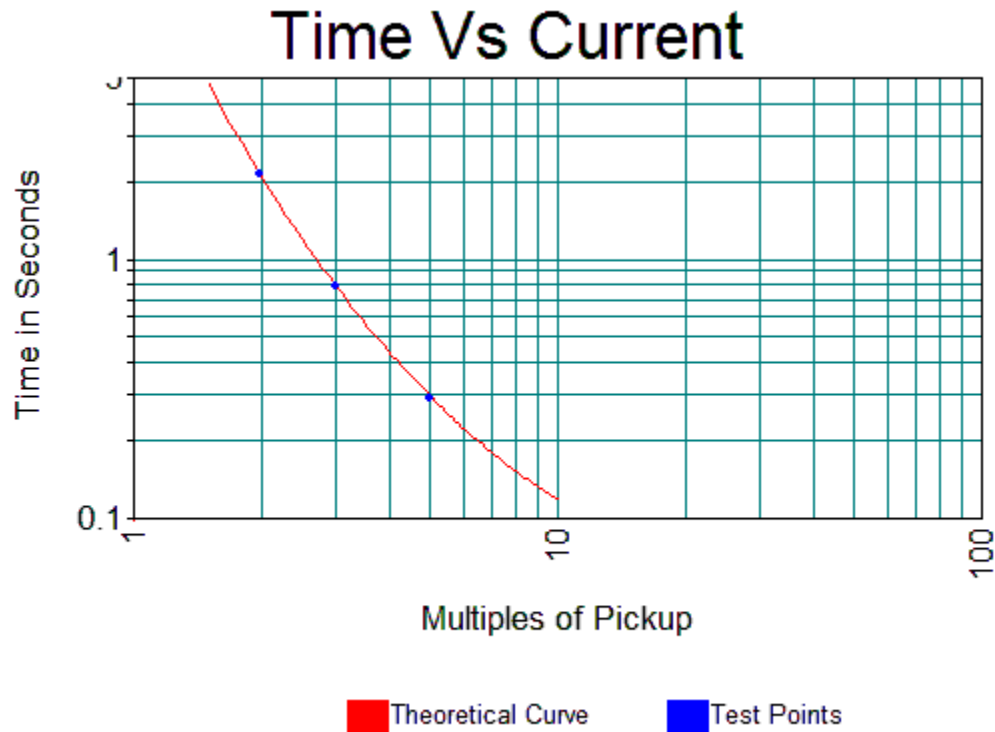
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Relay 1: C-Phase Time Overcurrent Test



Multiple (X Tap)	Actual Time (Seconds)	Expected Time (Seconds)	Min Range (Seconds)	Max Range (Seconds)	Pass/Fail (Results)
2.00	2.12	2.09	1.99	2.20	Pass
3.00	0.78	0.79	0.75	0.83	Pass
5.00	0.29	0.30	0.28	0.31	Pass

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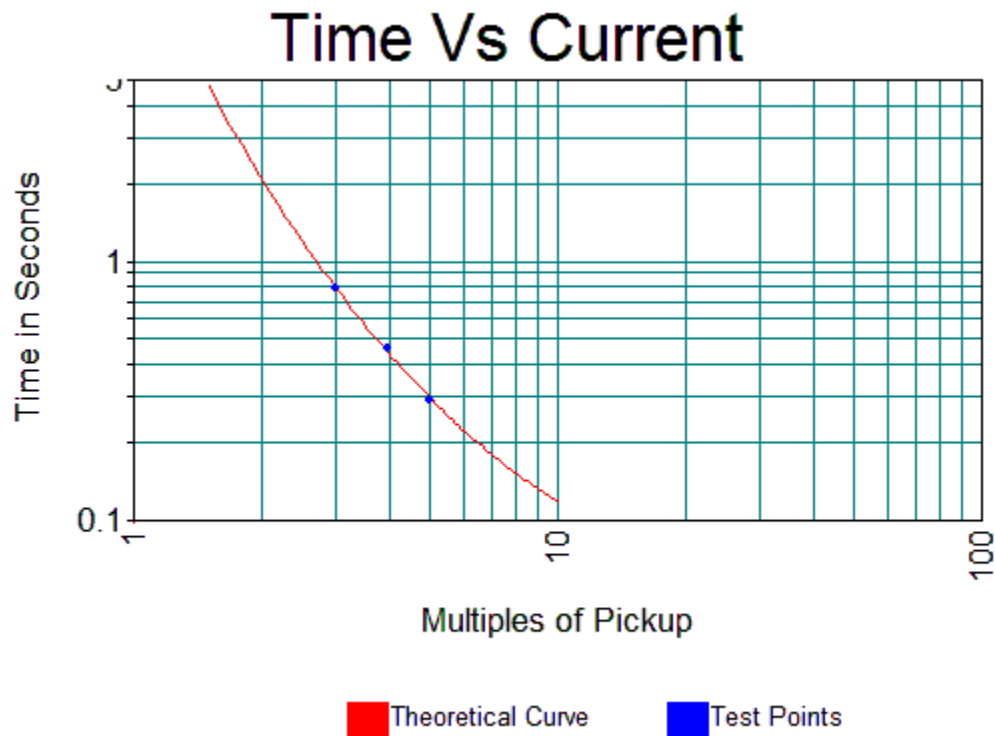
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Relay 1: Neutral Pickup Test

Actual Pickup (Amps)	Expected Pickup (Amps)	Min Range (Amps)	Max Range (Amps)	Pass/Fail (Result)
0.76	0.75	0.71	0.80	Pass

Relay 1: Neutral Time Overcurrent Test



Multiple (X Tap)	Actual Time (Seconds)	Expected Time (Seconds)	Min Range (Seconds)	Max Range (Seconds)	Pass/Fail (Results)
3.00	0.78	0.79	0.75	0.83	Pass
4.00	0.46	0.44	0.42	0.46	Pass
5.00	0.29	0.30	0.28	0.31	Pass