


WARNING LABEL PER ANSI Z535.4

 <h1 style="margin: 0;">WARNING</h1>	
<h2 style="margin: 0;">Arc Flash and Electric Shock Risk</h2> <h3 style="margin: 0;">Appropriate PPE Required</h3>	
Equip ID: HGRS-RP-3	Prot By: ECB-XMR-2 CB
Arc Incident Energy: 7.73 cal/cm ² at 18 in	
Shock Hazard Exposure: 208 VAC	GLOVE CLASS
Limited (Shock) Approach Boundary: 42 in	00
Restricted (Shock) Approach Boundary: 12 in	
Arc Flash Boundary 58 in	
Minimum PPE Required Per NFPA 70E-2024 T130.5(G):	
Arc-rated clothing with an arc rating equal to or greater than the estimated incident energy required. Long-sleeve shirt and pants or coverall or arc flash suit. Arc-rated face shield and arc-rated balaclava or arc flash suit hood. Arc-rated outerwear (e.g., jacket, parka, rainwear, hard hat liner). Heavy-duty leather gloves, arc-rated gloves, or rubber insulating gloves with leather protectors. Hard hat Safety glasses or safety goggles. Hearing protection Leather footwear.	
WARNING: Changes in settings or system configuration may invalidate results	
Bus Bolted Fault Current: 4.18 kA	Date: 04/05/25
Incident Energy Analysis by Baumer Engineering Columbus, IN 47203 765-489-4540	

NAME OF PANEL, SWBD, ATS ETC.

INCIDENT ENERGY PER IEEE 1584-2018

REQUIRED ARC FLASH PPE PER NFPA 70E T130.5(G)

AVAILABLE FAULT CURRENT PER NEC 110.24 AND 408.6

UPSTREAM FUSE OR BREAKER

WORKING DISTANCE PER IEEE 1584-2018

EQUIP. VOLTAGE

BOUNDARIES PER NFPA 70E-130.4

DISTANCE FROM EQUIP. WHERE IE EQUALS 1.2 CAL/CM2

DATE AVAILABLE FAULT CURRENT WAS CALCULATED PER NEC 110.24 AND 408.6

OSHA 1910 General Industry Regulations

- Section 5 General Duty Clause: "Each employer SHALL furnish to each of his employees a workplace that is free from recognized hazards that are causing or likely to cause death or serious physical harm."
- Subpart I – PPE – Employer shall assess the workplace for hazards and provide appropriate PPE.
- Subpart S – Electrical safety requirements to safeguard employees. NFPA 70E is the standard used to provide part of this safeguarding. The following is an excerpt from the osha.gov website:

Question: Is NFPA 70E a voluntary standard and not something that OSHA enforces?

Response: OSHA approaches NFPA 70E from both a standards perspective and an enforcement perspective. From a standards perspective, OSHA views NFPA 70E as the primary consensus standard addressing electrical hazards associated with electrical utilization systems.

National Electrical Code

- NEC Art 110.16 requires Arc-Flash Hazard Warning labels on electrical equipment likely to require examination, adjustment, servicing or maintenance while energized. The informational note in this article references NFPA 70E as a guide for this warning.