

AUX Power Supply 85~265VAC/DC for High Display Devices

This auxiliary power supply is designed to provide reliable power to high display devices and presence indicating systems. Accepting a wide input voltage range of 85~265VAC/DC, it ensures stable and consistent performance for critical applications.



ADDITIONAL IMAGES



Overview

High-Voltage Live Display Device

The HVD-Q-3 is a specialized non-contact detection device designed for medium-voltage switchgear. It utilizes an integrated three-phase continuous display to monitor voltage status, ensuring personnel safety and preventing electrical misoperation. Compliant with international IEC standards, this system features self-monitoring, audible alarms, and electromagnetic locking capabilities to provide reliable protection for indoor and outdoor electrical equipment.

Electrical Specifications

Input Voltage Range	85~265 VAC/DC
Rated Voltage Options	24V, 110V, 220V
Power Consumption	2 W
Passive Contact Capacity	8A, 250VAC/48VDC

Operational Performance

Voltage Thresholds

Function	Threshold
Presence Indication	$U > 0.40 \times U_{\text{Nmin}}$
Absence Indication	$U < 0.15 \times U_{\text{Nmin}}$
Over-voltage Protection	$U < 0.30 \times U_{\text{Nmin}}$

Core Features

- Three-phase live voltage indication
- Electromagnetic lock automatic locking
- Integrated self-test with button
- High voltage and disconnection alarms
- Relay signal output interlocking

Standards Compliance

IEC 61243-5, IEC 62271-213

Physical & Environmental

Protection Class

IP40 • IP65

Mounting Dimensions

92 mm

Panel Width

45 mm

Panel Height

130 mm

Recommended Depth

Operating Temperature

-25°C to 55°C

Minimum Lifetime (MTBF)

31 years