

HVD-QS

High Voltage Detector

Description

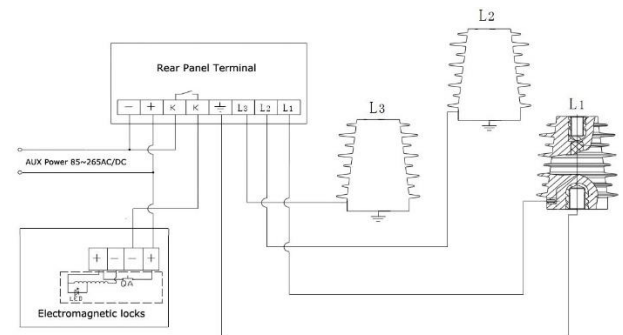
The high-voltage live display device is a new type of non-contact high-voltage live detection device. It uses an integrated three-phase continuous display to test the voltage loss in the medium-voltage switchgear, which helps to ensure the safety of the power system. The device is not directly connected to the high-voltage live body Connection, can sense the electric field signal, accurately reflect the charging situation of the high-voltage electrified body and has a reliable locking function.



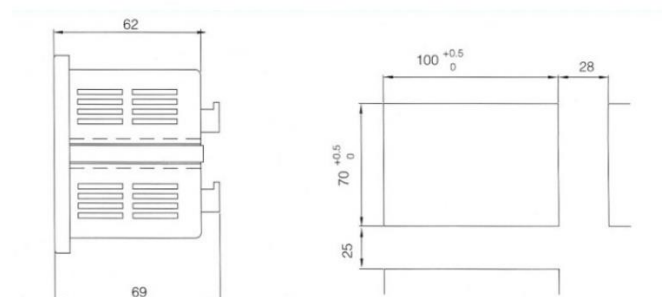
Main Features

- Fully self-monitoring
- Phase sequence detection point.
- Fail-safe voltage testing and protection
- Integrated self-test function, with self-test button
- High voltage alarm, disconnection alarm
- Visual indication via bright LED or LCD screen
- No battery /auxiliary voltage maintenance-free
- Three-phase live voltage indication system
- Electromagnetic lock automatic locking
- Relay signal output interlocking indication

Product Wiring Diagram



Install Dimensions



Application

- Indicate the status of live electricity
- Ensuring the safety of the power system and the safety of personnel
- Prevent the staff from operating with electricity and causing safety accidents.
- Capable of locking high-voltage electrical equipment
- Forcibly locking the door of switchgear
- Reflect status of high-voltage lines or high-voltage equipment

Technical Characteristics

Basic parameter:	
Rated voltage:	24V/110V/220V
Voltage level	1..52 kV (Medium-voltage)
Contact capacity (Passive)	8A,250VAC/48VDC
Power consumption	<2W
Working frequency	50Hz/60Hz
Standard	IEC 61243-5 IEC 62271-213
Insulation strength	2kV,1min
Nominal Voltage	3-3.6kV, 6-7.2kV, 10-12kV 20-24kV, 35-40.5kV
Shielded Cable Length	2M,or customized by buyers
Threshold Values for Voltage Presence Indication	$U > 0.40 \times U_{nmin}$
Threshold Values for Voltage Absence indication	$U < 0.15 \times U_{nmin}$
Threshold Values for Over-voltage Protection	$U < 0.30 \times U_{nmin}$
Others:	
Front display	LCD/LED Display
Controls	Self-test button
Operating temperature	-25°C-55°C, RH<95%, Altitude: ≤1000m
Storage temperature	-30°C-75°C, RH<95%
Protection class	IP40/IP65
Type of interface	LRM
Lifetime	Minimum 31 years (MTBF)
Mounting Dimension (WxHxD)	Panel window size 92x45mm

Product Selection Table

High Voltage Detector				
	HVD-T	HVD-Q	HVD-S	HVD-QS
High voltage indication	•	•	•	•
Sensor offline alarm	•	•	•	•
Interlocking indication		•		•
Three-phase measuring point			•	•
High bright LED indicator	•	•	•	•

- Available function