

Type LVS Live-Front Voltage Sensor

Type LVS sensors are voltage sensors with either 0.5% or 0.3% accuracy for use in live-front, air-insulated, electrical equipment where space is limited.

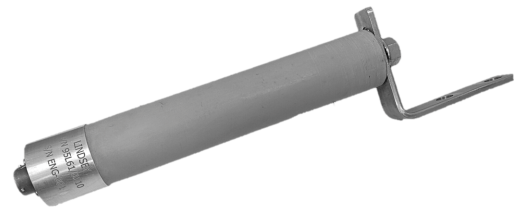
Available Styles:

Standard 0.5% Voltage Accuracy

15kV	25kV	35kV
✓		Available Soon

Metering 0.3% Voltage Accuracy

15kV	25kV	35kV
✓		Available Soon



All sensors are provided with cast-in bayonet style connectors and a pig-tail mating cable.

Applications

- Live front switchgear where space is limited and adding integral voltage sensing is required.
- Adjustable mounting brackets allow for connection to live front cable terminations or other bus-work.
- OEM or retrofit applications where the sensor’s form factor may make it more convenient and cost effective to install than other forms of voltage sensing.
- Applications requiring high accuracy (0.5%) or metering accuracy (0.3%) voltage monitoring.

Sensor Construction and Output

- Solid hydrophobic cycloaliphatic epoxy (HCEP) body sensor with integral cast-in cable connector on the sensor’s neutral end.
- Supplied with pig-tail mating cable.
- Very high accuracy internal resistor voltage divider network intended to interface with high input impedance ($\geq 1 \text{ M}\Omega$) meters, relays, controls, RTUs, or other IEDs.
- Longer length and higher creep versions available upon request.

Live Front Switchgear Voltage Sensor

Type LVS Live Front Switchgear Voltage Sensor Ordering Table

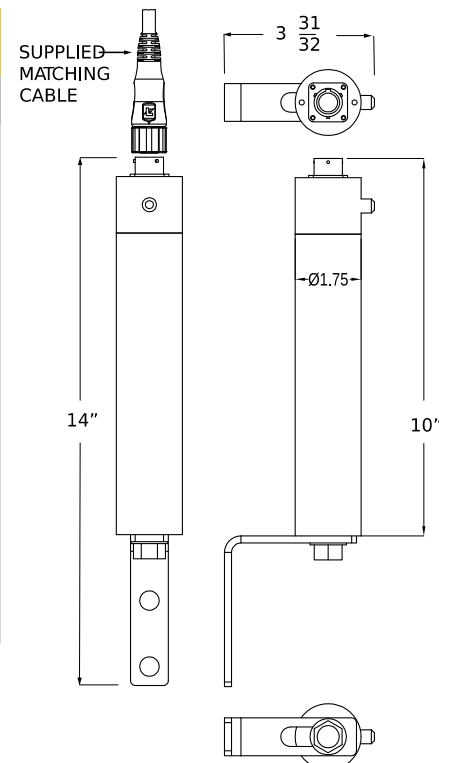
Part Number Sequence: **A B / 0 C D E**

A	B	/ 0	C	D	E
Family	Voltage Class		Ratio	External Connection	Mating Pigtail Cable Length
95L6- 0.5% accuracy	1-15kV		1-1400:1	1-Cast-in connector	X=Cable Length in 10 ft. increments Note: Set X to 0 if purchasing separate multi-phase junction cable.
95LM6-0.3% accuracy			2-2200:1		
			3-3300:1		
			4-10,000:1		
			5-60:1		
			6-120:1		
			7-166:1		
			8-200:1		
			X-Special		
EXAMPLE					
↓					
95L6	1	/ 0	1	1	1

EXAMPLE: 95L61/0111 is a 15kV, 0.5% accuracy live front switchgear voltage sensor with a 1400:1 ratio output with a cast-in connector and supplied with a matching 10-foot pigtail cable.

Specification Table

Insulation Class	15kV
Voltage Accuracy	0.3% or 0.5%
Ratio	By Catalog Number
Operating Temperature Range	-40°C / +55°C
Stated Accuracy Temperature	-40°C / +55°C
Impulse (BIL)	95kV
60Hz Withstand (1 minute)	30kV
Minimum Electrical Load	1 M-Ohm
Length (A)	10.375" (265mm)
Creep	8 3/26" (208 mm)
Weight	2.3 lbs. (1.1 kg)



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Publication Number 09F-015 LIVE-FRONT • February 2024

