

Voltmeter & Ammeter Switches

Instrument switches (Voltmeter and Ammeter selector switches) are used in power distribution panels and switchgear, to select the measurement that the operator needs to read on the panel instrument.

ITC offers three types of instrument switches:

- **LBS-V3/8:** a 4-position Voltmeter rotary switch, allowing reading of voltages between phases in a 3-phase system: L1-L2, L2-L3, L1-L3, plus 0
- **LBS-V30/8:** a 7-position Voltmeter rotary switch, allowing reading of voltages between phases as well as between each phase and neutral in a 3-phase system: L1-L2, L2-L3, L1-L3, L1-N, L2-N, L3-N, plus 0
- **LBS-AU31/8,** a 4-position Ammeter switch, allowing reading of currents in a 3-phase system: I1, I2, I3, plus 0



These can either be mounted to the panel through a single 22.5mm hole (standard models) or mounted via 4+1 holes, or on DIN rail. Wire connections are by screw terminals, maximum 10AWG. The standard type of handle is black, with a silver plate and black markings. Consult ITC for alternate types of handles or plates.

Features and specifications:

- **Voltage rating (UC/CSA):** 600Vac
- **Current rating:** 16A
- **Ingress Protection:** IP 65 (front) for center hole mounted models
- **Operating temperature:** -20 to 50 °C (maximum 80 °C)
- **Approvals:** CSA, UL, CE-marked

Instrument Switches (Order by Part No.)

Part No.	Description	Dim. Dwg.
LBS-V3/8/E	16A, 5.5kW(AC3) Voltmeter Switch, 3-line, Door mount	Figure 1
LBS-V3/8/ZM	16A, 5.5kW(AC3) Voltmeter Switch, 3-line, Center-mount	Figure 2
LBS-V30/8/E	16A, 5.5kW(AC3) Voltmeter Switch, 3-line+3-phase, Door mount	Figure 1
LBS-V30/8/ZM	16A, 5.5kW(AC3) Voltmeter Switch, 3-line+3-phase, Center-mount	Figure 2
LBS-AU31/8/E	16A, 5.5kW(AC3) Ammeter Switch, 3-line, Door mount	Figure 1
LBS-AU31/8/ZM	16A, 5.5kW(AC3) Ammeter Switch, 3-line, Center-mount	Figure 2

Information subject to change without notice

Dimensional Drawings

Figure 1 - Door mount (4+1 holes)

	A	A1	C	F	L1	L3	L3
N. contacts					2	4	6
mm	48	36	40	39	34	46	58

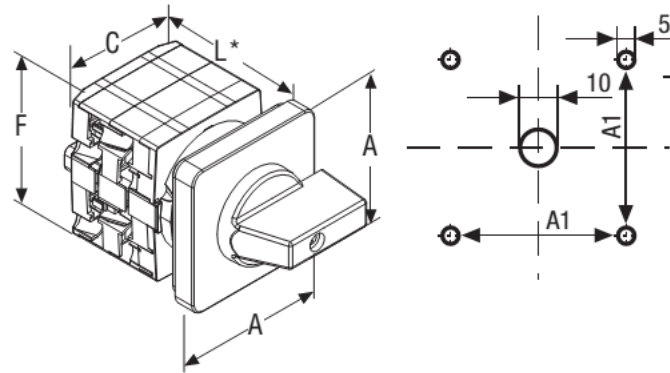


Figure 2 - Center mount $\Phi 22.5\text{mm}$ (Single hole)

	A	C	F	L1	L2	L3
N. contacts				2	4	6
mm	48	40	43	58	70	82

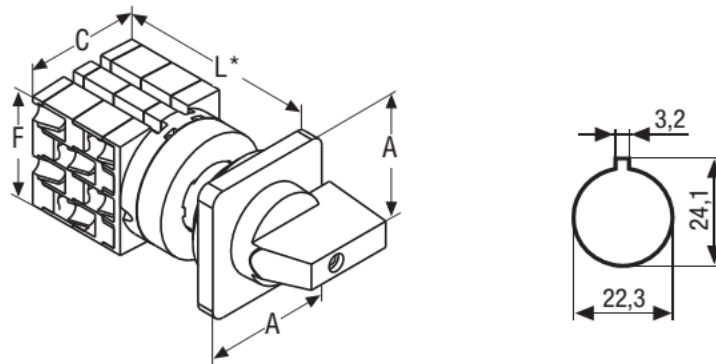


Figure 3 - DIN Rail mount

	A	B	C	F	L1	L2	L3
N. Contacts					2	4	6
mm	52.5	45	40	39	45	45	45

