

LB9Z-LED2A

LB Series — 24 V AC/DC Amber LED Module for ø16 mm illuminated switches & pilot lights



The LB9Z-LED2A is a plug-in LED light module for IDEC LB Series ø16 mm space-saving illuminated pushbuttons, pilot lights and illuminated selector switches. It produces a bright, even amber illumination and operates directly on 24 V AC or DC. The module integrates a current-limiting resistor and reverse-polarity / surge protection and snaps into the LB operator without tools as a field-replaceable unit.

General / Identification

Product type	Plug-in LED illumination module (LED + housing)
Series	IDEC LB Series (ø16 mm space-saving)
Model	LB9Z-LED2A
Illumination colour	Amber
Module shape	Rectangular plug-in unit
Field replaceable	Yes — tool-free snap-in

Electrical / Performance

Rated voltage	24 V AC/DC
Operating voltage range	24 V AC/DC (±10%)
Rated current	approx. 12 mA
Light source	LED
LED service life	approx. 30,000 h (to 50% initial brightness, reference)
Internal circuit	LED chip with current-limiting resistor, protection diode, Zener diode and varistor
Polarity	Reverse-polarity protected (DC)

Mechanical & Environmental

Net weight	approx. 3–5 g (estimate — confirm against unit)
Operating temperature	–25 °C to +55 °C (illuminated units)
Storage temperature	–30 °C to +80 °C (no freezing)
Operating humidity	45–85% RH (no condensation)
Degree of protection	IP65 at panel face (assembled LB unit, IEC 60529)
Housing	Moulded thermoplastic

Connections / Compatibility

Mounting	Snap-in into LB Series operator / contact assembly
Terminal style of host unit	Solder/tab #110 or PC-board terminal
Used in	LB illuminated pushbuttons, pilot lights, illuminated selector switches
Family voltage variants	5 V DC (LED5A), 12 V AC/DC (LED1A), 24 V AC/DC (LED2A)
Colour variants	Amber (A), Green (G), Red (R), Blue (S), White (PW)

Compliance / Standards

Standards	UL 508 (recognised), CSA C22.2 No.14, EN 60947-5-1 (TÜV Rheinland), EU LVD, GB 14048.5
RoHS	Compliant

Ordering / Packaging

Order code	LB9Z-LED2A (24 V AC/DC, amber)
Packaging	Individually packed (estimate — confirm)

Typical applications

Machine and control-panel indication, HMI illuminated pushbuttons, status/pilot lights, food & beverage and packaging equipment, instrumentation and communication panels — anywhere a compact 24 V amber indicator is required.

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