

Ledex® Box Frame Size B11HD — DC Operation

Part Number: B11HD - **XXX** - B-3

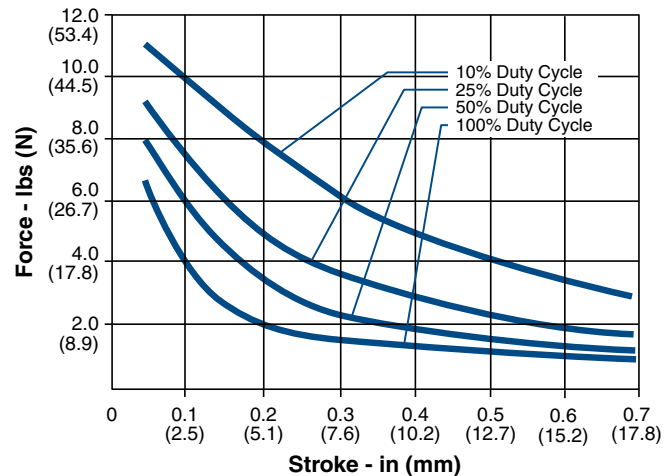
All catalog products manufactured after April 1, 2006 are RoHS Compliant

Select from performance chart below

Specifications

Operation	Pull
Dielectric Strength	1500 VRMS for one second
Continuous Duty Cycle	100% at 20°C ambient temperature
Intermittent Duty Cycle	See below
Minimum Heat Sink	None
Holding Force	7.75 lbs (34.5 N) at 20°C
Coil Resistance	±5% tolerance
Coil Insulation	Class "B": 130°C max. temperature standard. Other temperature classes are available
Coil Termination	10" PVC leads
Plunger Weight	1.4 oz. (38 g)
Total Weight	6.8 oz. (192.8 g)
Dimensions	See page H34

Typical Force @ 20°C



Performance

Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (sec) when pulsed continuously	∞	382	71	21
Maximum ON Time (sec) for single pulse	∞	528	164	48
Watts (@ 20°C)	9	18	36	90
Ampere Turns (@ 20°C)	1119	1582	2238	3539

Part Number	Coil Data					
	Resistance (@20°C)	Ref # Turns	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
B11HD-255-B-3	4.2	780	6.1	8.7	12.3	19
B11HD-254-B-3	16.7	1533	12.3	17	25	39
B11HD-253-B-3	67	3050	25	35	49	78
B11HD-252-B-3	286	6360	51	72	102	160
B11HD-251-B-3	1710	14973	124	176	248	382

NOTES:

- All data is typical.
- Force testing is done with the solenoid in the horizontal position.
- All data reflects operation with no heat sink.
- Magnetic latching versions available. Pull versions standard; push versions available.
- Other coil terminations available.

How to Order

Select the part number from the table provided. (For example, to order a 25% duty cycle unit rated at 49 VDC, specify B11HD-255-B-5.

Please see www.ledex.com (click on Stock Products tab) for our list of stock products available through our North American distributors.

Force values for reference only.

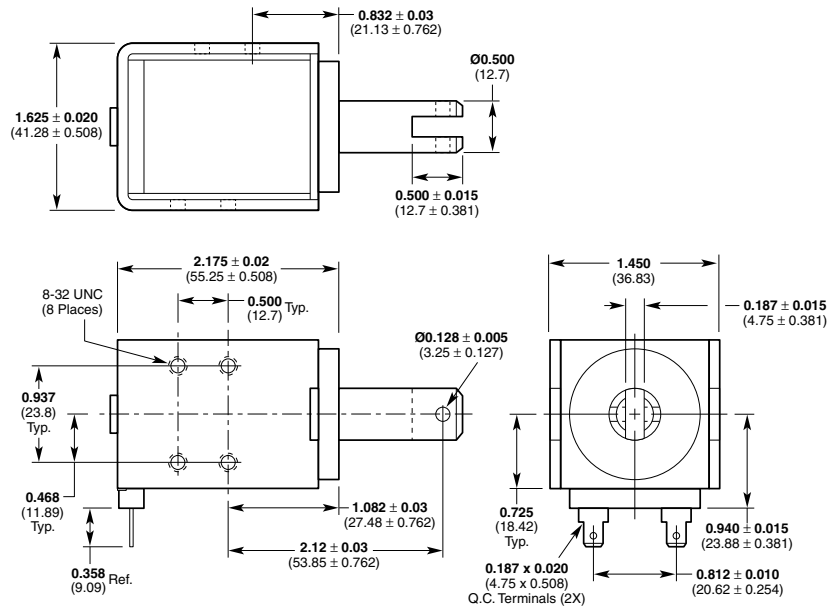
All specifications subject to change without notice.

Ledex® Box Frame Dimensions

Inches (mm)

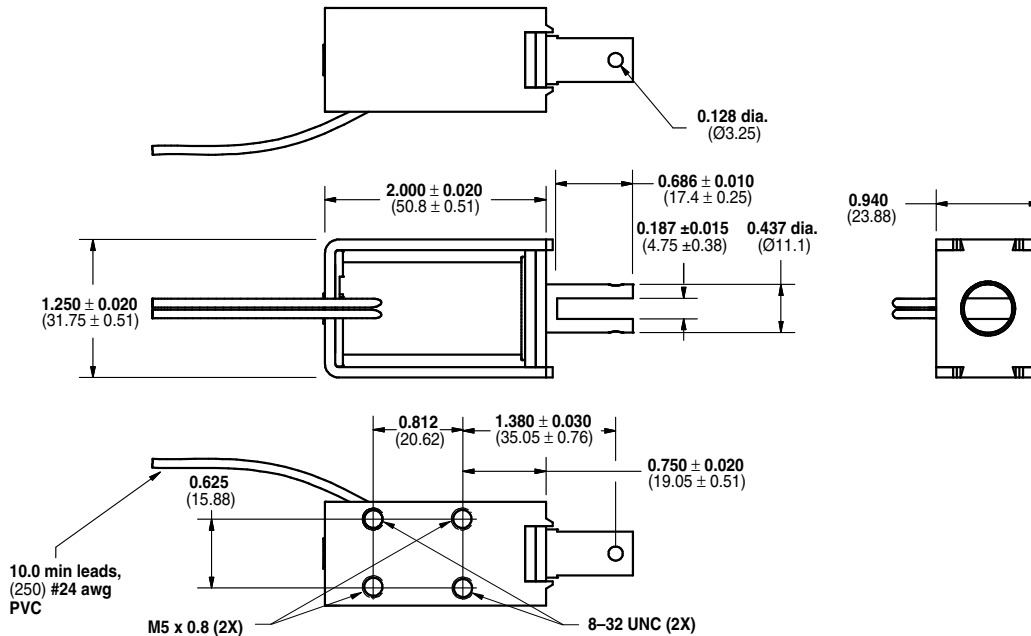
All solenoids are illustrated in energized state

B4HD



B11HD

LINEAR Open Frame



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