

# Ledex® Box Frame Size B12P

Part Number: B12P - XXX - B - 3

All Products are RoHS Compliant

Select from Performance Chart Below

## Specifications

Operation	Push
Dielectric Strength	500 VRMS for one second
Continuous Duty Cycle	100% at 20°C ambient temperature
Intermittent Duty Cycle	See Below
Holding Force	7.7 oz. (2.1N) at 20°C
Spring Force	.575 oz (.160N) Energized
Coil Insulation	Class "A": 105°C max
Coil Termination	10" PVC lead wires
Plunger Weight	0.05 oz
Total Weight	0.30 oz

## Performance

Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (sec) when pulsed continuously	∞	84	11	2
Maximum ON Time (sec) for single pulse	∞	120	34	8
Watts (@ 20°C)	1.3	2.6	5.2	13
Ampere Turns (@ 20°C)	178	251	355	561

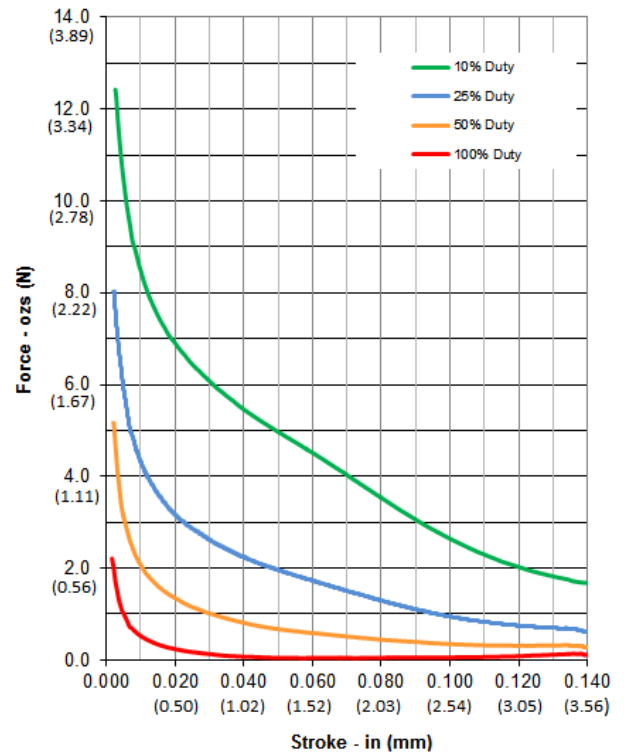
## Coil Data

Part Number	Resistance (@20°C)	Ref. # Turns	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
B12P-258 -B-3	6.92	417	3	4.24	6.0	9.5
B12P-255 -B-3	27.7	824	6	8.5	12	19
B12P-256 -B-3	62.3	1184	9	13	18	28.5
B12P-254 -B-3	110.8	1632	12	17	24	38
B12P-253 -B-3	443.1	3336	24	34	48	76

### NOTES:

- All data is typical.
- Force testing is done with the solenoid in the horizontal position.
- All data reflects operation with no heatsink.

Typical Force @ 20°C



### How to Order:

Select the part number from the table provided. (For example, to order a 25% duty unit rated at 48 VDC, specify B12P-253-B-3)

Please see [www.johnsonelectric.com](http://www.johnsonelectric.com) for a list of our products available through distribution.

All specification subject to change without notice.

Force values for reference only.

# Ledex<sup>®</sup> Box Frame Size B12P

## Dimensions

Inches (mm)  
All solenoids are shown in energized state

