

# Low Profile Size 7EC — Push or Pull

Medium Stroke, Conical Face  
Part Number: 191357-0XX

All products are RoHS Compliant

## Performance

Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (sec) when pulsed continuously <sup>1</sup>	∞	80	38	16
Maximum ON Time (sec) for single pulse <sup>2</sup>	∞	138	50	18
Watts (@ 20°C)	35	70	140	350
Ampere Turns (@ 20°C)	1805	2555	3610	5710

## Coil Data

awg (0XX) <sup>3</sup>	Resistance (@20°C)	# Turns <sup>4</sup>	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
23	10.80	1044	19.0	27.0	39.0	61.0
24	16.50	1274	24.0	34.0	48.0	76.0
25	27.00	1635	31.0	43.0	61.0	97.0
26	43.80	2091	39.0	55.0	78.0	124.0
27	68.40	2603	49.0	69.0	98.0	155.0
28	108.00	3255	61.0	87.0	123.0	194.0
29	162.00	3933	75.0	106.0	151.0	238.0
30	265.00	5044	96.0	136.0	193.0	305.0
31	385.00	5800	116.0	164.0	232.0	367.0
32	583.00	7230	143.0	202.0	286.0	452.0
33	882.00	8400	176.0	248.0	351.0	600.0

<sup>1</sup> Continuously pulsed at stated watts and duty cycle

<sup>2</sup> Single pulse at stated watts (with coil at ambient room temperature 20°C)

<sup>3</sup> Other coil awg sizes available — please consult factory

<sup>4</sup> Reference number of turns

## Specifications

Dielectric Strength	23-29 awg, 1200 VRMS ; 30-33 awg, 1500 VRMS
Recommended Minimum Heat Sink	Maximum watts dissipated by solenoid are based on an unrestricted flow of air at 20°C, with solenoid mounted on the equivalent of an aluminum plate measuring 15 <sup>1</sup> / <sub>8</sub> " square by <sup>1</sup> / <sub>8</sub> " thick
Coil Resistance	23-30 awg, ±5%; 31-33 awg, ±10%
Weight	2.5 lb (1.134 kg)
Holding Force	50.0 lb (222.4 N) @ 105°C

## How to Order

Add the coil awg number (0XX) to the part number (for example: to order a 25% duty cycle unit rated at 48 VDC, specify 191357-024).

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

All specifications subject to change without notice.

