STA® Pull Tubular Solenoids — 20 mm Dia. x 40 mm

Part Number: 195224 - X XX Coil (f

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

Coil AWG Number

(from performance chart below)

Plunger Configurations and anti-rotation flat on mounting

- 1 Flat face plunger without anti-rotation flat
- 2 60° plunger without anti-rotation flat
- 5 Flat face plunger with anti-rotation flat
- 6 60° plunger with anti-rotation flat

Well-suited

for battery

operation.

See the "Battery Operated Solenoids" section for complete information.

Performance				
Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (sec) when pulsed continuously ¹	∞	230	25	6
Maximum ON Time (sec) for single pulse ²	∞	265	63	15
Watts (@ 20°C)	7	14	28	70
Ampere Turns (@ 20°C)	855	1200	1700	2700
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awg DXX)³	Resistance (@20°C)	# Turns⁴	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
24	1.10	330	2.7	3.8	5.6	8.8
25	2.13	488	3.9	5.5	7.7	12.2
26	2.90	544	4.5	6.4	9.0	14.2
27	5.27	760	6.1	8.6	12.1	19.2
28	9.15	1026	8.0	11.3	16.0	25.0
29	12.50	1146	9.4	13.2	18.7	30.0
30	20.70	1491	12.0	17.0	24.0	38.0
31	33.60	1904	15.0	22.0	31.0	48.0
32	53.50	2394	19.4	27.0	39.0	61.0
33	83.50	2970	24.0	34.0	48.0	76.0

- 1 Continuously pulsed at stated watts and duty cycle
- ² Single pulse at stated watts (with coil at ambient room temperature 20°C)
- 3 Other coil awg sizes available please consult factory
- 4 Reference number of turns

Specifications

Dielectric Strength
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
aluminium plate measuring 76 mm
square by 3.2 mm thick

Coil Resistance
Holding Force
Flat Face: 23.3 N @ 20°C
60°: 12.8 N @ 20°C

Weight 83.6 g
Plunger Weight 20.1 g
Dimensions See page F34

How to Order

Add the plunger number and the coil awg number to the part number (for example: to order a unit with a 60° plunger configuration without an anti-rotation flat rated for 12.1 VDC at 25% duty cycle, specify 195224-227.

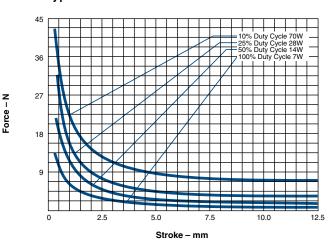
Please see www.ledex.com (click on Stock Products tab) for our list of stock products available through our distributors.

All specifications subject to change without notice.

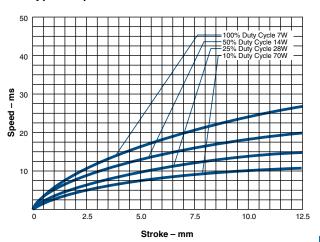
STA® Pull Tubular Solenoids — 20 mm Dia. x 40 mm

Pull Tubular Solenoid – 20 mm dia. x 40 mm – Flat Face Plunger



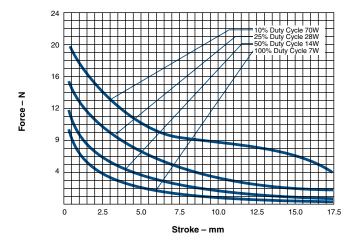


Typical Speed @ No Load, 20°C

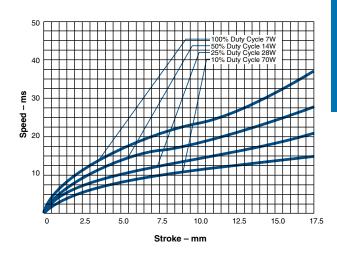


Pull Tubular Solenoid – 20 mm dia. x 40 mm – 60° Plunger

Typical Force @ 20°C



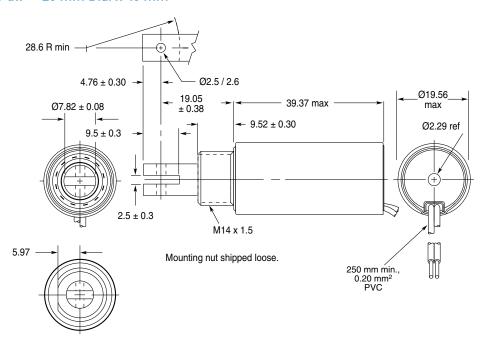
Typical Speed @ No Load, 20°C



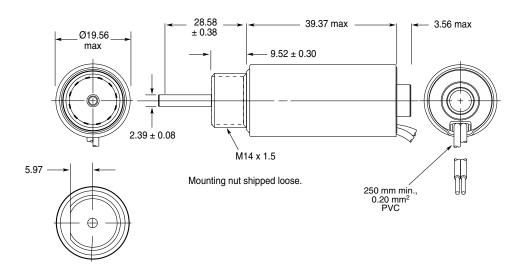
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STA® Series Pull — 20 mm Dia. x 40 mm



STA® Series Push — 20 mm Dia. x 40 mm



All solenoids are illustrated in energised state

All specifications subject to change without notice.