

S24C17A08-01-CAA



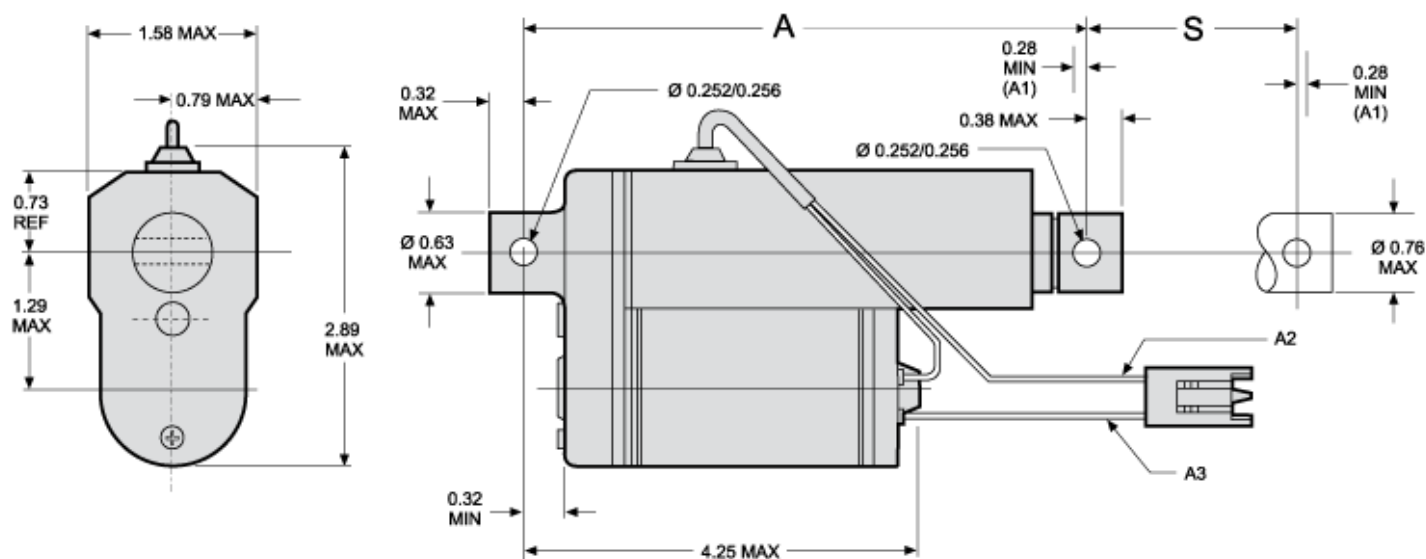
Actuator, Electrak 1, 24 Vdc, CE, Dynamic Load: 75 lbf, Max Stroke Length: 1 inch, Control: All

- Very compact and lightweight
- Available with end of stroke limit switches or Potentiometer feedback
- Corrosion resistant housing
- Self-locking acme screw drive system
- Maintenance free
- Ideal for replacement of comparable size pneumatic and hydraulic cylinders

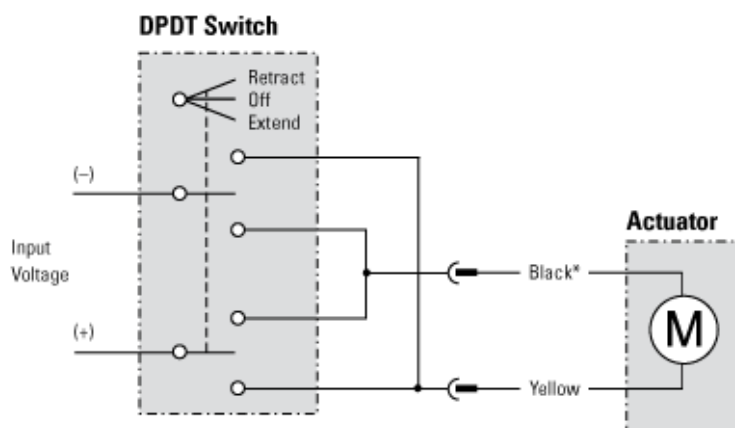
*Lead times may increase with higher quantities. Lead time displayed in business days.

*The price shown here is the North American List Price for general reference only. Please Contact Thomson for actual net price and current delivery schedule which will vary with geographic region, quantity ordered and distribution channel. Estimated costs for shipping, packaging and import taxes/duty are not included in this list price. Please contact Thomson Customer Support for more information.

Dimensions



S: stroke
A: retracted length
A1: installation must include at least this much coast beyond limit switch shut off
A2: red lead
A3: yellow lead



* Black for 12 Vdc supply voltage
White for 24 Vdc supply voltage
Blue for 36 Vdc supply voltage

Connect the yellow lead to positive and black, white or blue* to negative to extend the actuator. Change polarity to retract the actuator.

The actuator should be protected from overload conditions by a customer provided fuse in the circuit (6 A for 12 Vdc, 3 A for 24 Vdc and 2 A for 36 Vdc).

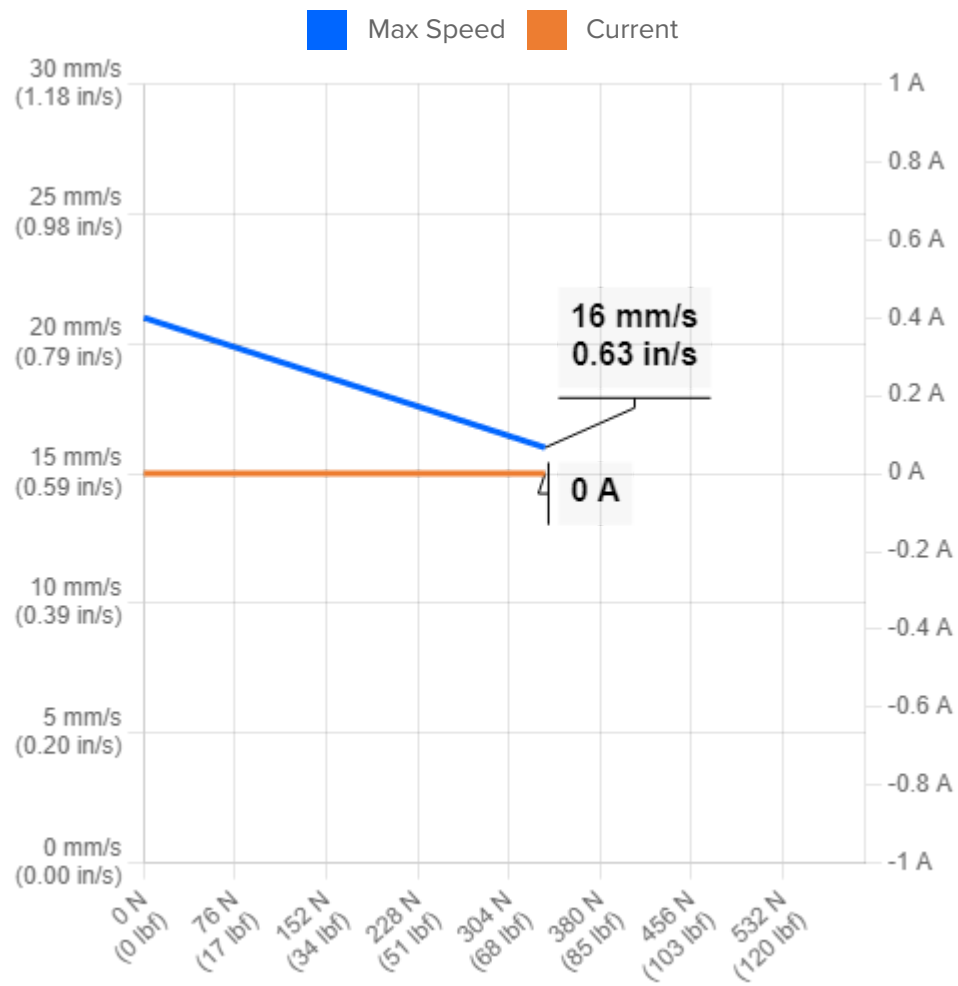
Dimension	Value
A	135.0 mm (5.315 in)
S	25.4 mm (1.000 in)

Specifications	Value
Anti-Rotation	No
Brake	no, self-locking
Certifications	CE
Special Connector	Packard Electric Pack-Con
End Play, Max	0.914 mm / 0.036 in
IP Rating, Dynamic	N/A
IP Rating, Static	IP66
Manual Override	No
Material	Zinc Alloy, Stainless Steel
Nominal Stroke	25.40 mm / 1.00 in
Protection, End of Stroke	Limit Switch
Protection, Mid Stroke	None
Screw Type	Acme
Temperature Max	65 °C / 149 °F
Temperature Min	-26 °C / -15 °F
Temperature Monitoring	No
Voltage	24 Vdc
Voltage Tolerance	20-32 VDC
Weight	0.520 kg / 1.146 lbs
Control	None
Feedback	None
Serialized	No
Smart Actuation	No
Contains Liquids	No
Returnable	No

Performance

Performance	Value
Duty Cycle	25%
Load, Dynamic	334 N / 75 lbf
Load, Static	1,334 N / 300 lbf
Restraining Torque	2.26 N / 0.51 lbf
Salt Spray Resistance	N/A
Max Speed	21.00 mm/s / 0.83 in/s
Min Speed	16.00 mm/s / 0.63 in/s

Max Speed and Current vs Load



Order Code

Ordering Key

1	2	3	4	5	6	7
S12	C	09A04-	04	-C	A	A

1. Model and input voltage

S12 = Electrak 1, 12 Vdc

S24 = Electrak 1, 24 Vdc

2. CE compliance

N = no

C = yes

3. Dynamic load capacity, screw type and maximum speed

09A04- = 110 N (25 lbf), acme, 75 mm/s (3 in/s)

09A08- = 225 N (50 lbf), acme, 45 mm/s (1,8 in/s)

17A08- = 340 N (75 lbf), acme, 26 mm/s (1 in/s)

17A16- = 340 N (75 lbf), acme, 16 mm/s (0,6 in/s) ⁽¹⁾

4. Ordering stroke length

01 = 0.82 inch (21 mm)

02 = 1.82 inch (46 mm)

03 = 2.82 inch (72 mm)

04 = 3.82 inch (97 mm)

05 = 4.82 inch (122 mm)

06 = 5.82 inch (148 mm)

08 = 7.82 inch (199 mm)

5. Connector option

-C = Packard Electric Pac-Con

-I = AMP Superseal 2 pin

6. Front adapter option

A = Cross hole 0.25 inch

T = Cross hole 8 mm

V = Female thread 1/4 inch-28

W = Female thread M8

7. Rear adapter option

A = Cross hole 0.25 inch

B = Cross hole 8 mm

(1) Not possible in combination with 8 inch stroke.