

Specification Sheet Online:

<https://www.thomsonlinear.com/en/product/S12-09A08-06-CAA>

Thomson Customer Support:

<https://www.thomsonlinear.com/en/support/global-customer-service-call>



Linear Motion. Optimized.™

A REGAL REXNORD BRAND

S12-09A08-06-CAA



Actuator, Electrak 1, 12 Vdc, Dynamic Load: 50 lbf, Max Stroke Length: 6 inch, Control: All

Lead Time: 4 Weeks*

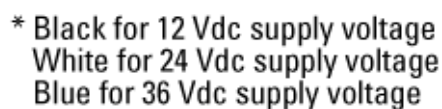
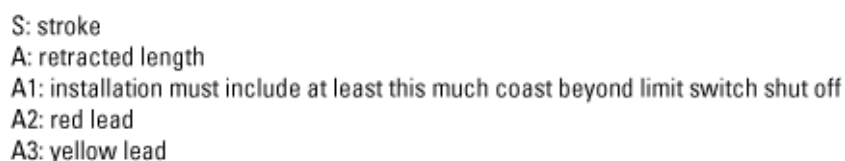
\$306.28 each⁺

- o Very compact and lightweight
- o Available with end of stroke limit switches or Potentiometer feedback
- o Corrosion resistant housing
- o Self-locking acme screw drive system
- o Maintenance free
- o 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



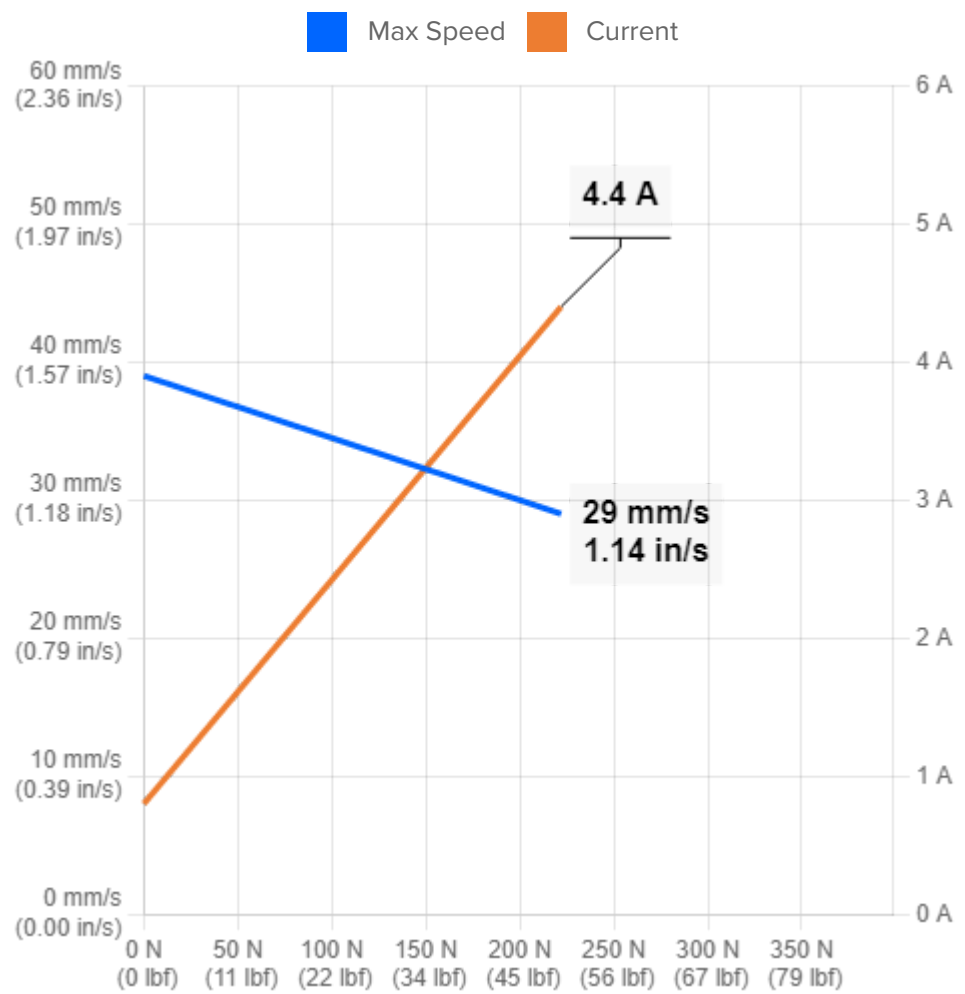
The actuator should be protected from overload conditions by a customer provided fuse in the circuit (6 A for 12 Vdc, 3 A for 24 Vdc and 2 A for 36 Vdc).

| 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 | 152.40 mm / 6.00 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 | 12 Vdc |
| Voltage Tolerance | 10-16 VDC |
| Maximum Current Draw | 4.4 amp |
| Weight | 0.680 kg / 1.499 lbs |
| Control | None |
| Feedback | None |
| Serialized | No |
| Smart Actuation | No |
| Contains Liquids | No |
| Returnable | No |

Performance

| Performance | Value |
|-----------------------|------------------------|
| Duty Cycle | 25% |
| Load, Dynamic | 222 N / 50 lbf |
| Load, Static | 1,334 N / 300 lbf |
| Restraining Torque | 2.26 N / 0.51 lbf |
| Salt Spray Resistance | N/A |
| Max Speed | 39.00 mm/s / 1.54 in/s |
| Min Speed | 29.00 mm/s / 1.14 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.