Specifications:

Power Supply 24 VAC ±20%; 24 VDC ±15% at 50/60 Hz: Class 2, Class III per EN 60730, 5 VA/3.5W Running, 4 VA/3W Holding Position

Auxiliary Switch Rating Control signal adjustment - Offset (start point) Between 0 to 5 Vdc; Span Between 2 to 30 Vdc
AC Rating (standard cable) 24 to 250 Vac, AC 6A resistive, AC 2A general purpose
DC Rating (Standard/Plenum cable) 12 to 30 Vdc, DC 2A

Switch Range
Switch A 0° to 90° with 5° intervals; Recommended range usage 0° to 45°; Factory setting 5°
Switch B 0° to 90° with 5° intervals; Recommended range usage 45° to 90°; Factory setting 85°

Switching Hysteresis 2°

Spring Return Direction is Selectable with Mounting Position of Actuator

Rotation Range Nominal angle of rotation 90°; Maximum angular rotation 95°

Torque 62 lb-in. (7 N-m)

Time: 90° of Rotation Power On (Running) 90 Seconds for 62 lb-in (7 Nm) at -25°F [-32°C]
Power Off (Returning) 15 Seconds Typical for 62 lb-in (7 Nm) at (60 seconds max. at -25°F [-32°C])

Enclosure NEMA 1 (IP54) limited mounting orientations

Manual Override Hex Head Screw

Ambient Conditions Standard Operating -25°F to 130°F (-32°C to 55°C); 95% RH Maximum, Noncondensing
Storage -40°F to 158°F (-40°C to 70°C); 95% RH Maximum, Noncondensing

Electrical Connections 36 in. (.9 m) Standard Cable with 18 AWG (0.75 mm2) Wire Leads

Conduit Connections Integral Connectors for 1/2 in. NPT

Mechanical Connections Round Shafts 1/4 to 3/4-inch (6.4 to 20.5 mm)
Square Shafts 1/4 to 1/2-inch (6.4 to 13 mm)

Life Cycle 60,000 Full stroke cycles (1,500,000 repositions)

Noise Rating 40 dBA

Dimensions 8-3/8” (L) x 3-1/4” (W) x 2-2/3 (H)

Weight 2.9 lb (1.3 kg)

Agency Certification UL listed to UL60730 (to replace UL873) cUL certified to Canadian Standard C22.2 No. 24-93
Low voltage directive (LVD) 2006/95/EC - EN 60 730-2-14 (Type 1)

Wiring: (Cable)

On/Off with AUX Switches

NOTE: WARNING: All DCS-62 Series actuators are designed for use only in conjunction with operating controls. Where an operating control failure would result in personal injury and/or loss of property, it is the responsibility of the installer to add safety devices or alarm systems that protect against, and/or warn of, control failure.

To avoid excessive wear or drive time on the motor, use a controller and/or software that provides a time-out function to remove the signal at the end of rotation (stall).

The performance specifications are nominal and conform to acceptable industry standards. For application at conditions beyond these specifications, consult the nearest Bray office. Bray controls shall not be liable for damages resulting from misapplication or misuse of its products.