



MS8120A1205/U

Honeywell two position or SPST, 175 lb-in., 20 Nm direct-coupled actuator

Product Specifications

Application

HVAC

Dimensions (in.)

9.72 in high x 3.94 in wide x 2.95 in deep

Dimensions (mm)

247 mm high x 100 mm wide x 75 mm deep

Includes

Mounting bracket, self-centering shaft adapter, 3mm crank

Weight (lb)

6 lb

Weight (kg)

2.72 kg

Materials

Aluminum housing, Plenum rated plastic access cover

Comments

Integral 1/2 in. NPSM conduit connection.

Item Type

Product

Mounting

Direct Coupled

Frequency

50 Hz; 60 Hz

Approvals, Underwriters Laboratories Inc.

UL873, Plenum Rated

Electrical Connections

Enclosed screw terminal strip (22 to 14 AWG)

Operating Humidity Range (% RH)

5 to 95% RH, non-condensing

Supply Voltage

24 Vac \pm 20%

Power Consumption

Driving-- 40 VA, Holding-- 8 VA

Shipping and Storage Temperature Range (F)

-40 F to +158 F

Shipping and Storage Temperature Range (C)

-40 C to +70 C

Approvals, CE

89/336/ECC, 73/23/EEC

Approvals, Canadian Underwriters Laboratories Inc.

cUL C22.2 No. 24-93

Ambient Temperature Range (F)

-40 F to +140 F

Ambient Temperature Range (C)

-40 C to +60 C

Switch Ratings

250 Vac, 5 A res

Regulatory Compliance Mark

N314

Environmental, Electrical or Ingress Protection Rating

NEMA 2

Internal Auxiliary Switch

2

Maximum Noise Rating

Driving (dB(A) @ 1m)-- 40; Holding (dB(A) @ 1m)-- 20 (no audible noise)

Stroke

95 ±3 degrees

Shaft Dimensions (in.)

3/8 to 1.06 in. round or 3/8 to 11/16 in. square

Actuator Type

Valve; Damper

Control Signal

Two position; SPST

Fail Safe Mode

Spring Return

Torque Rating (lb-in.)

175 lb-in.

Torque Rating (Nm)

20 Nm

Spring Return Torque/Force (lb-in., lbf)

175 lb-in.

Spring Return Torque/Force (Nm, N)

20 Nm

Additional Torque Ratings (lb-in.)

Maximum Stall-- 300 lb-in.

Additional Torque Ratings (Nm)

Maximum Stall-- 34 Nm
External Auxiliary Switches Available
Yes, SW2-US
Rotational Stroke Adjustment
Mechanically limited 5 degree increments
Timing, Nominal
Driving @ 60 Hz-- 45 sec
Spring Return Timing
Maximum-- 20 sec
Shaft Adapter Type
Self-centering clamping
Manual operation
Manual crank
Shaft Dimensions (mm)
10 to 27 mm round or 10 to 18 mm square
Spring Return Direction
By orientation