

Goyen Series 4 Pilot Valve Options for Integral Pilot (CA) Applications



RCA3DM Pilot Valve

Description

The RCA3DM is a pilot valve with an integral silencer and dust shroud which mounts directly (screw in) to the 4 series valve cover. The Dimensional diagrams can be found on Page 11 of this brochure.

Construction

Encapsulation: PA-6

C-Frame: Mild steel zinc nickel plated

Bobbin: PA-6

IP Rating: IP64

Insulation class: B/130°C

Rating: Non-continuous use only

Clip: Mild steel (mechanically plated)

Operation

Recommended on time range: 50-500ms

Recommended time between pulses: 1 minute or greater

Certification and Conformities

- C-Tick
- EMC (89/336/CE)
- LV
- CSA

Spare Parts:

K0380 – Kit includes Nitrile replacement seal, armature, spring and ferrule.

K0384 – Kit includes Viton replacement seal, armature, spring and ferrule.

Please refer to page 3 of the Pilot valves and Nema 4 Enclosures brochure for replacement coil options.

Product Performance

| Flow | Maximum Working Pressure | Minimum Working Pressure | Temperature Min | Temperature Max | Fluid Media |
|---------|--------------------------|--------------------------|-----------------|-----------------|-------------|
| 0.32 Cv | 860 kPa | 0 kPa | -40°C | 82°C | Air or |
| 0.27 Kv | 125 psi | 0 psi | -40°F | 180°F | inert gas |

How to Order

Part Code

RCA3DM-301

Valve Type

RCA - Pilot valve - Remote controlled air

Pilot Size

3 - 1/8" Pipe Thread

Body Style

DM - Male inlet, R 1/8" thread, suits all Series 4 RCAC valves

Coil Series

3 - Goyen 'Q' coil

Order Code and Electrical Characteristics

| Model | Connection Type | Protection Class | Voltage | Power |
|-------|---------------------|------------------|------------------|---------|
| 300 | DIN 43650A | IP64 | 200/240V 50/60Hz | 23.1 VA |
| 301 | DIN 43650A | IP64 | 100/120V 50/60Hz | 19.8 VA |
| 302 | DIN 43650A | IP64 | 24V 50/60 Hz | 23.1 VA |
| 303 | DIN 43650A | IP64 | 110VDC | 24 W |
| 304 | DIN 43650A | IP64 | 48VDC | 20 W |
| 305 | DIN 43650A | IP64 | 24VDC | 20 W |
| 306 | DIN 43650A | IP64 | 12VDC | 20 W |
| 310 | Conduit (M20x1.5) | IP31 | 200/240V 50/60Hz | 23.1 VA |
| 311 | Conduit (M20x1.5) | IP31 | 100/120V 50/60Hz | 19.8 VA |
| 312 | Conduit (M20x1.5) | IP31 | 24V 50/60 Hz | 23.1 VA |
| 313 | Conduit (M20x1.5) | IP31 | 24VDC | 20 W |
| 314 | Conduit (M20x1.5) | IP31 | 12VDC | 20 W |
| 320 | Conduit (1/2" NPSC) | IP31 | 200/240V 50/60Hz | 23.1 VA |
| 321 | Conduit (1/2" NPSC) | IP31 | 100/120V 50/60Hz | 19.8 VA |
| 322 | Conduit (1/2" NPSC) | IP31 | 24V 50/60 Hz | 23.1 VA |
| 323 | Conduit (1/2" NPSC) | IP31 | 24VDC | 20 W |
| 324 | Conduit (1/2" NPSC) | IP31 | 12VDC | 20 W |

For Remote Pilot (RCA) Applications, Please refer to the Pilot Valves and Nema 4 Enclosures brochure.