

DESIGN NOTES:

1. PART NUMBER: NMZB28-1CEBS-D01
2. KZVALVE ACTUATOR SERIES: EH8
3. ACTUATION TIME: 0.2S @ 12 VDC
4. AMBIENT OPERATING TEMP: -40°F TO 185°F (-40°C TO 85°C)
5. AMBIENT STORAGE TEMP: -67°F TO 221°F (-55°C TO 105°C)
6. ENCLOSURE RATING: IP68 PER ISO 20653, NEMA 6P/7D PER NEMA 250
7. UP TO 90 DEG OF TOTAL TRAVEL - ROTATION TO OPEN STATE IS CLOCKWISE WHEN VIEWED FROM THE BOTTOM SIDE
8. ELECTRICAL

1. OPERATING INPUT VOLTAGE: 9-32 VDC

2. CURRENT DRAW

1. NORMAL OPERATION: 0.4 AMPS @ 12 VDC

2. CONTINUOUS (RUNNING STATE): 0.04 AMPS

3. STALL (LOCKED ROTOR): 1.8 AMPS @ 12 VDC

3. CONNECTION: 4-PIN DEUTSCH RECEPTACLE

1. PIN MATERIAL: GOLD-PLATED BRASS

4. PINOUT

1. PIN 1: POWER IN (-)

2. PIN 2: FEEDBACK (+) AT OPEN

3. PIN 3: SIG 1 (+) AT OPEN

4. PIN 4: POWER IN (+)

9. VALVE

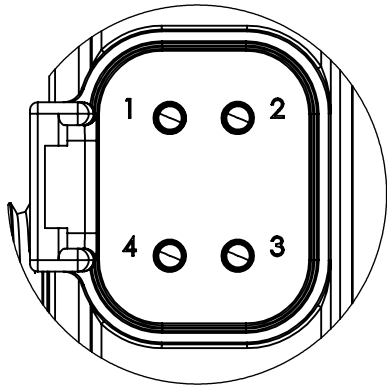
5. WETTED MATERIALS: FKM, CG REINFORCED PTFE, NYLON, 316SS

6. MAX PRESSURE DIFFERENTIAL: 150 PSI @ 70°F

7. MAX BODY PRESSURE: 300 PSI @ 70°F

8. FLOW RATE: 1.1 GPM @ 1 PSI PRESSURE DIFFERENTIAL

9. CONNECTIONS: 2X 1/4" MNPT CONNECTIONS



DETAIL A
SCALE 2 : 1

LED INDICATOR STATES			
INDICATOR	RATE	COLOR	STATUS
SOLID	-	GREEN	CURRENTLY AT ON POSITION
SOLID	-	RED	CURRENTLY AT OFF POSITION
BLINKING	2.8 Hz	RED	FAULT/TIMEOUT

CONFORMS TO ASME
STANDARDS Y14.5-2009

-STANDARD TOLERANCES- -ALL DIMENSIONS IN INCHES [mm]-	
.X±.1 .XX±.01 .XXX±.005 .XX°±1°	TOTAL RUNOUT: .005 FIM CORNER BREAK: .001/.010 SURFACE FINISH: 125 µIN
DENSITY: 0.047 LBM/CU IN MASS: 0.192 LBM SURF AREA: 87.925 SQ IN VOLUME: 4.092 CU IN	

DESIGNED BY: Daniel Carlson	
DRAWN BY: Aaron Goodwin	
APPROVED:	
SCALE: 1:1	SIZE: B
MATERIAL: AS NOTED	

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TITLE: ACTUATED VALVE, EH8, 2 WAY, DT, 1/4" SS BALL, 1/4" NPT, 0.2S@12/24VDC, LED			
PART NO: NMZB28-1CEBS-D01		REV: 3	
DRAWING NO: NMZB28-1CEBS-D01		SHEET: 1 OF 1	