

DESIGN NOTES:

1. PART NUMBER: NPZC28-1CEBS-R01
2. KZVALVE ACTUATOR SERIES: EH8
3. ACTUATION TIME @ 90 DEGREES: 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. CONTINUOS (RUNNING STATE): 0.04 AMPS

3. STALL (LOCKED ROTOR): 1.8 AMPS @ 12 VDC
3. CONNECTION: M12 CONNECTION

1. PIN MATERIAL: GOLD-PLATED BRASS
4. PINOUT

1. PIN 1 - POWER IN (+)

2. PIN 2 - SIG 1 (+) TO OPEN

3. PIN 3 - POWER IN (-)

4. PIN 4 - (+) FEEDBACK AT CLOSED

9. VALVE

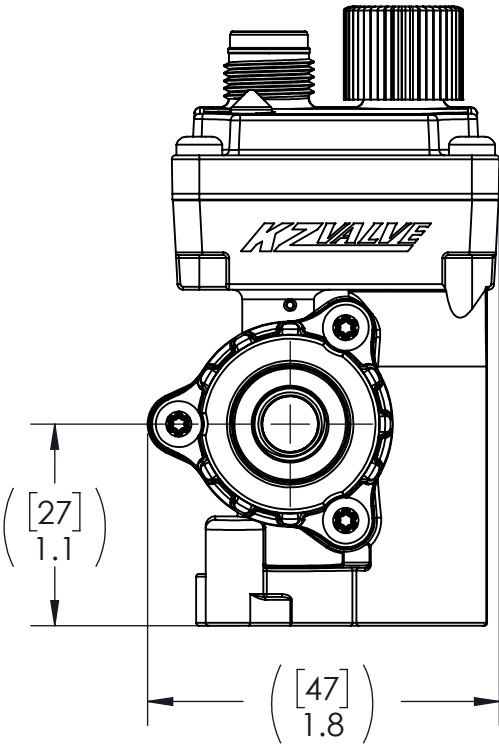
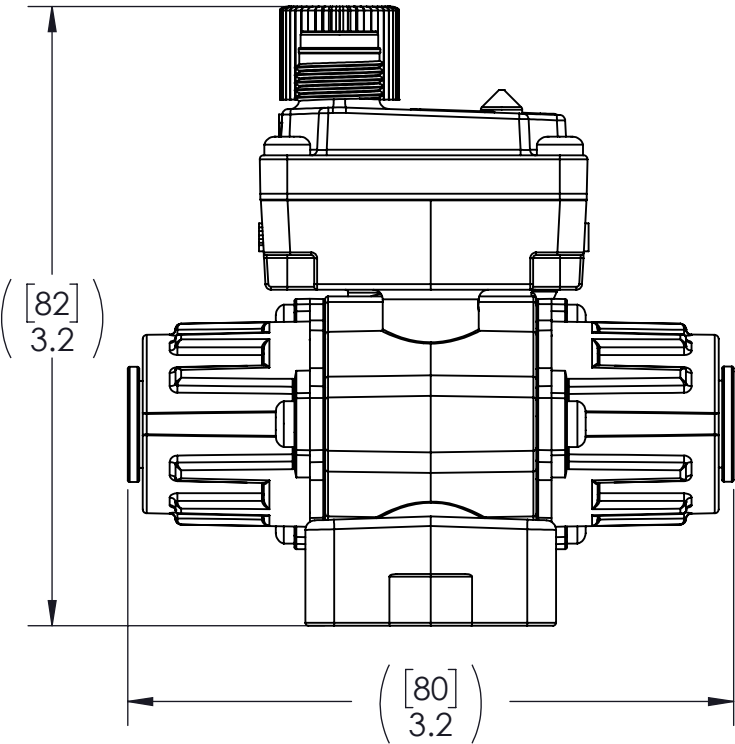
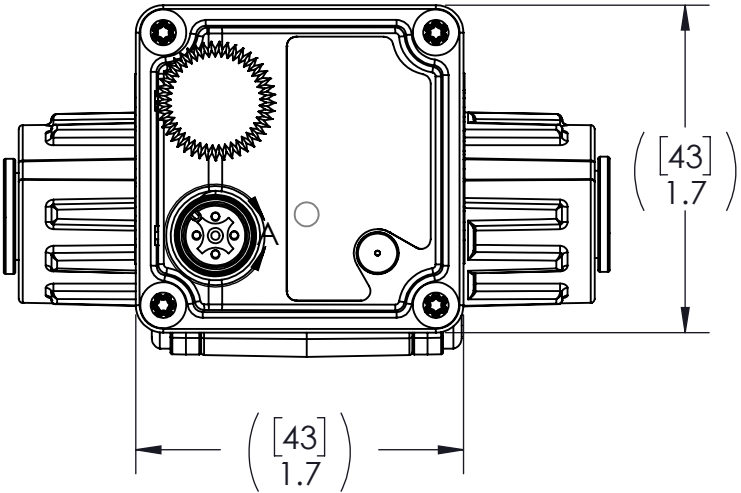
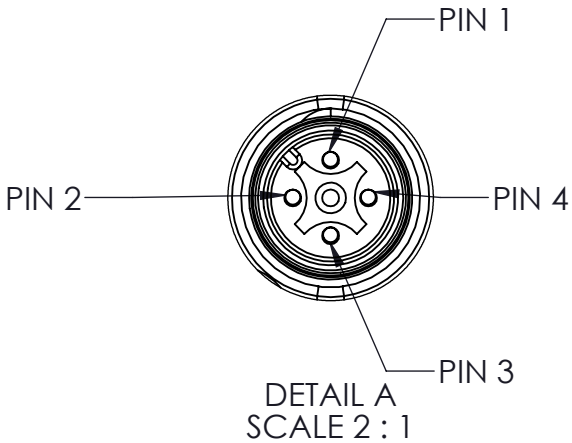
5. WETTED MATERIALS: FKM, CG REINFORCED PTFE, NYLON, 316SS

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

7. MAX BODY PRESSURE: 150 PSI @ 70°F

8. FLOW RATE: 1.2 GPM @ 1 PSI PRESSURE DIFFERENTIAL

9. CONNECTIONS: 2X 3/8" PTC CONNECTIONS



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±0.1 .XX±0.01 .XXX±0.005 .XX°±1°	TOTAL RUNOUT: .005 FIM CORNER BREAK: .001/.010 SURFACE FINISH: 125 µIN
DENSITY: 0.049 LBM/CU IN MASS: 0.238 LBM SURF AREA: 101.877 SQ IN VOLUME: 4.884 CU IN	

DESIGNED BY: Evan Schwahn	
DRAWN BY: Evan Schwahn	
APPROVED:	
SCALE: 1:1	SIZE: B
MATERIAL: AS NOTED	

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TITLE: ACTUATED VALVE, EH8, 3/8" 2-WAY SS BALL, 3/8" PTC, 0.2S@12/24VDC, SINGLE M12 LED	
PART NO: NPZC28-1CEBS-R01	REV: 6
DRAWING NO: NPZC28-1CEBS-R01	SHEET: 1 OF 1