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| CUSTOMER REVISIONS | | | |
|--------------------|---------|-----------------------|---------------------|
| REV | ECN | CHANGE | MODIFIED BY |
| 1 | 24-0679 | RELEASE TO PRODUCTION | Benjamin Klinkebiel |

PART NUMBER: H2D37-1CEFS-D01

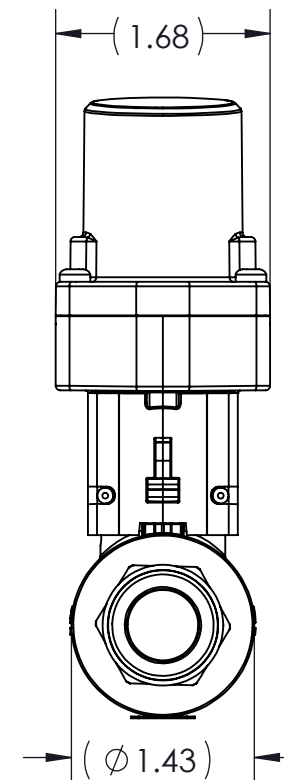
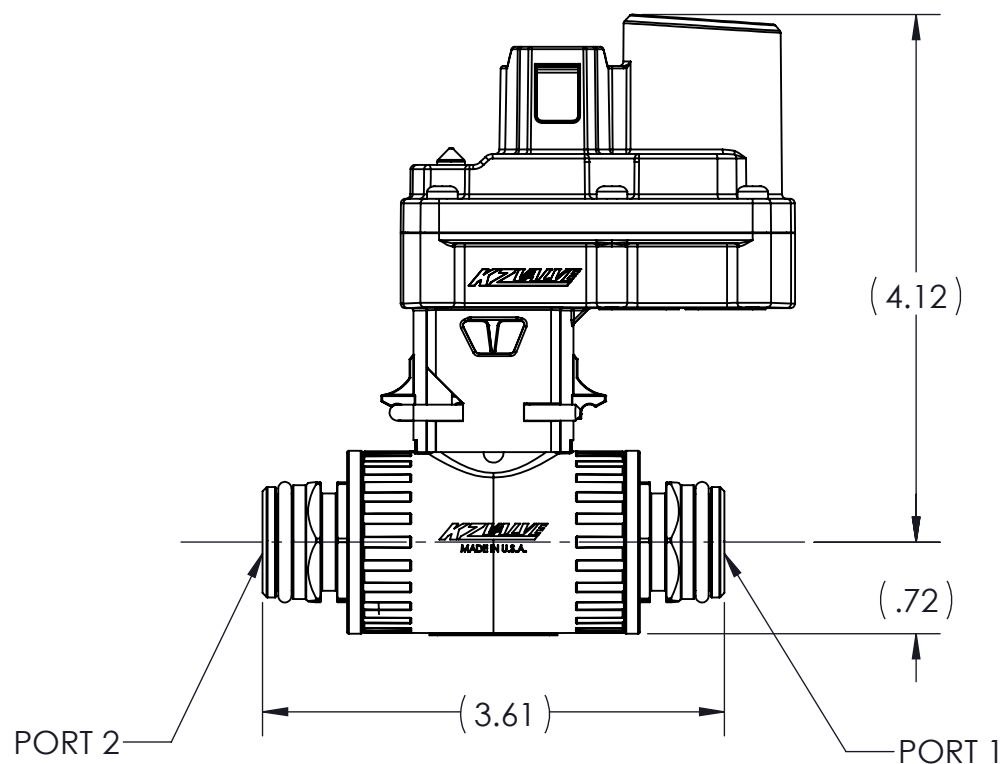
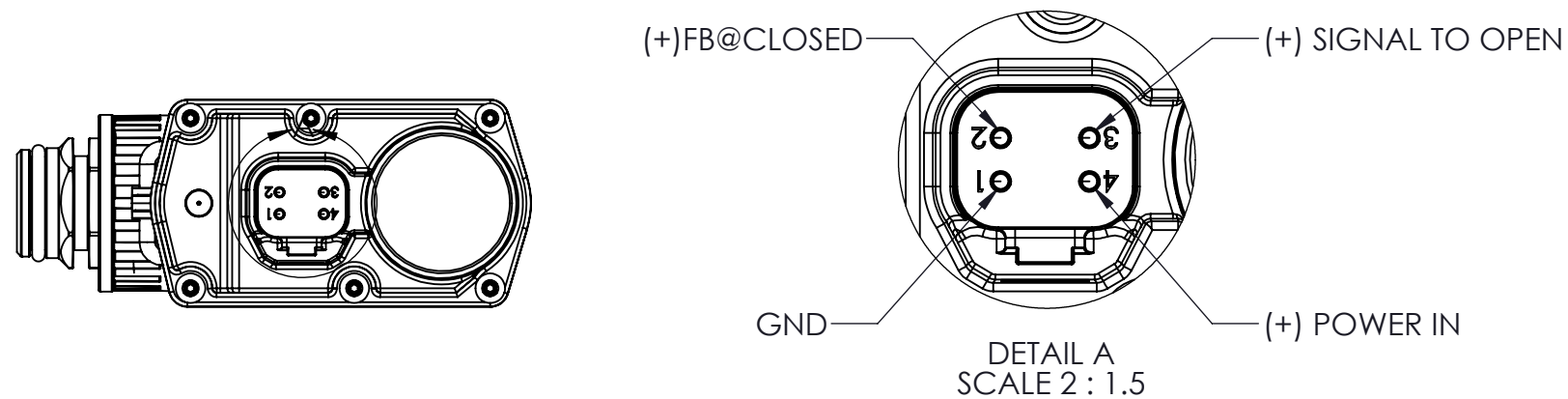
CUSTOMER: KZVALVE

ACTUATOR DESIGN NOTES:

1. KZVALVE SERIES: EH6
2. BODY MATERIALS: GF NYLON
3. LED INDICATOR: STANDARD
4. GASKET: SILICONE
5. MOTOR SHAFT GROMMET MATERIAL: FLUOROCARBON
6. RESPONSE TIME: 0.5S@12VDC FOR 90 DEGREE TRAVEL
7. AMBIENT STORAGE TEMPERATURE: -67°F TO 221°F (-55°C TO 105°C)
8. AMBIENT OPERATING TEMPERATURE: -40°F TO 185°F (-40°C TO 85°C)
9. ENCLOSURE RATING: NEMA 6P PER NEMA 250 & IP69K PER ISO 20653 & IEC 60529
10. ELECTRICAL:
 1. OPERATING INPUT VOLTAGE: 9VDC TO 32VDC
 2. CURRENT DRAW
 1. NORMAL OPERATION: 1.0-1.5 AMPS@12VDC
 2. CONTINUOUS (IDLE STATE): 0.04 AMPS
 3. STALL (LOCKED ROTOR): 3.0 AMPS@12VDC
 3. CONNECTION: MOLDED DEUTSCH RECEPTACLE
 1. TERMINALS:
 1. PIN 1: GND
 2. PIN 2: (+) FEEDBACK @CLOSED
 3. PIN 3: (+) SIGNAL TO OPEN
 4. PIN 4: (+) POWER IN 12VDC

VALVE DESIGN NOTES:

11. KZVALVE SERIES: TX2
12. BODY MATERIALS: GF POLYPROPYLENE
13. WETTED MATERIALS: GF POLYPROPYLENE/316 SS
14. O-RING MATERIAL: EPDM
15. STEM SEAL MATERIAL: FLUOROCARBON
16. SEAT MATERIAL: CG FILLED TEFLON
17. PORT CONNECTIONS
 1. PORT 1: QD
 2. PORT 2: QD
18. FUNCTIONAL STATES
 1. DEFAULT STATE: 0°
 - A. PORT 1: CLOSED
 - B. PORT 2: CLOSED
 2. ACTUATED STATE: 90°
 - A. PORT 1: OPEN
 - B. PORT 2: OPEN
19. MAXIMUM PRESSURE DIFFERENTIAL: 150 PSI @ 70 F
20. MAXIMUM BODY PRESSURE: 150 PSI @ 70 F



| LED INDICATOR STATES | | | |
|----------------------|--------|-------|--------------------|
| INDICATOR | RATE | COLOR | STATUS |
| SOLID | - | GREEN | AT OPEN POSITION |
| SOLID | - | RED | AT CLOSED POSITION |
| BLINKING | 2.8 Hz | RED | FAULT |

CONFORMS TO ASME STANDARDS Y14.5-2009
 DENSITY: 0.046 LBM/CU IN
 MASS: 0.410 LBM
 SURF AREA: 196.327 SQ IN
 VOLUME: 8.898 CU IN

DESIGNED BY: Benjamin Klinkebiel
 DRAWN BY: Benjamin Klinkebiel
 APPROVED:
 SCALE: 1:2
 SIZE: B
 MATERIAL: AS NOTED

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TITLE: ACTUATED VALVE, EH6, TX2, QD, 2-WAY, ON-OFF, 0.5S@12/24VDC, (+)FB@CLOSED

PART NO: H2D37-1CEFS-D01
 DRAWING NO: H2D37-1CEFS-D01

REV: 1
 SHEET: 3 OF 3