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CONFIDENTIAL AND PROPRIETARY TO
KZVALVE, LLC. UNAUTHORIZED USE,
DISCLOSURE OR REPRODUCTION IS PROHIBITED

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

PART NUMBER: C2D37-1CEFS-D01

CUSTOMER: KZVALVE

ACTUATOR DESIGN NOTES:

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

VALVE DESIGN NOTES:

- KZVALVE SERIES: TX2
- BODY MATERIALS: GF POLYPROPYLENE
- WETTED MATERIALS: GF POLYPROPYLENE/316 SS
- O-RING MATERIAL: EPDM
- STEM SEAL MATERIAL: FLUOROCARBON
- SEAT MATERIAL: CG FILLED TEFLON
- PORT CONNECTIONS
 - PORT 1: M100 FLANGE
 - PORT 2: M100 FLANGE
- FUNCTIONAL STATES
 - DEFAULT STATE: 0°
 - PORT 1: CLOSED
 - PORT 2: CLOSED
 - ACTUATED STATE: 90°
 - PORT 1: OPEN
 - PORT 2: OPEN
- MAXIMUM PRESSURE DIFFERENTIAL: 150 PSI @ 70 F
- MAXIMUM BODY PRESSURE: 150 PSI @ 70 F

DETAIL A
SCALE 2 : 1.5

LED INDICATOR STATES

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

DESIGNED BY: Benjamin Klinkebiel

DRAWN BY: Benjamin Klinkebiel

APPROVED:

SCALE: 1:1

SIZE: B

MATERIAL: AS NOTED

CONFORMS TO ASME
STANDARDS Y14.5-2009DENSITY: 0.045 LBM/CU IN
MASS: 0.445 LBM
SURF AREA: 205.567 SQ IN
VOLUME: 9.885 CU IN

23860 K2 PARKWAY
GREENWOOD, NE 68366 USA
PHONE: +1.402.944.2767
FAX: +1.402.944.2402

TITLE: ACTUATED VALVE, EH6, TX2, 2-WAY, M100, ON-OFF, 0.5S@12/24VDC

PART NO: C2D37-1CEFS-D01

REV: 1

DRAWING NO: C2D37-1CEFS-D01

SHEET: 3 OF 3

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