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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	22-0019	INITIAL RELEASE	BENJAMIN KLINKEBIEL
2	22-0019	UPDATED INGRESS PROTECTION RATING	BENJAMIN KLINKEBIEL

PART NUMBER: 1CEFS-D0V  
CUSTOMER: KZVALVE

DESIGN NOTES:

- KZVALVE SERIES: EH6
- ACTUATION TIME @ 180 DEGREES: 1.0 SEC
- AMBIENT OPERATING TEMP: -40°F TO 185°F (-40°C to 85°C)
- AMBIENT STORAGE TEMP: -67°F TO 221°F (-55°C to 105°C)
- ENCLOSURE RATING: IP69K PER ISO 20653, NEMA 6P & 7D PER NEMA 250
- UP TO 180 DEG OF TOTAL TRAVEL - ROTATION TO OPEN STATE IS CLOCKWISE WHEN VIEWED FROM THE BOTTOM SIDE, COUNTER-CLOCKWISE WHEN VIEWED FROM THE TOP SIDE
- ELECTRICAL
  - OPERATING INPUT VOLTAGE: 9VDC TO 32VDC
  - CURRENT DRAW
    - NORMAL OPERATION: 1.0 AMP@12VDC
    - CONTINUOUS (RUNNING STATE): 40 mA
    - STALL (LOCKED ROTOR): 3 AMPS@12VDC
  - ELECTRICAL CONNECTOR: DEUTSCH 4-PIN RECEPTACLE
  - ELECTRICAL PINOUT:
    - GND POWER 12/24VDC
    - (+) FEEDBACK @ CLOSED
    - (+) SIGNAL TO OPEN
    - (+) POWER 12/24VDC

LED INDICATOR

2: FEEDBACK @ CLOSED

3: (+) SIGNAL TO OPEN

1: GND

4: POWER IN

DETAIL A  
SCALE 2 : 1MECHANICAL SHAFT INDICATOR  
SHOWN IN OPEN/CLOSED POSITIONOUTPUT SHAFT SHOWN IN  
CLOSED/OPEN POSITIONS

LED INDICATOR STATES

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

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CONFORMS TO ASME  
STANDARDS Y14.5-2009  
DENSITY: 0.036 LBM/CU IN  
MASS: 0.185 LBM  
SURF AREA: 128.308 SQ IN  
VOLUME: 5.152 CU IN

DESIGNED BY: Benjamin Klinkebiel

DRAWN BY: Benjamin Klinkebiel

APPROVED:

SCALE: 1:1

SIZE: B

MATERIAL: AS NOTED

23860 K2 PARKWAY  
GREENWOOD, NE 68366 USA  
PHONE: +1.402.944.2767  
FAX: +1.402.944.2402TITLE: ACTUATOR, EH6, 1.0S@12/24VDC, ON-ON,  
(+)FB@CLOSED, DR4

PART NO: 1CEFS-D0V

DRAWING NO: 1CEFS-D0V

REV: 2

SHEET: 3 OF 3

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