

4

3

2

1

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-D01
CUSTOMER: KZVALVE

DESIGN NOTES:

- KZVALVE SERIES: EH6
- ACTUATION TIME @ 90 DEGREES: 0.5 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 90 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

(3.23)

(3.42)

(1.67)

2: FEEDBACK @ CLOSED 3: (+) SIGNAL TO OPEN

MECHANICAL SHAFT INDICATOR
SHOWN IN CLOSED POSITION

1: GND 4: POWER IN

DETAIL A
SCALE 2 : 1OUTPUT SHAFT SHOWN IN
CLOSED POSITION

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

23860 K2 PARKWAY
GREENWOOD, NE 68366 USA
PHONE: +1.402.944.2767
FAX: +1.402.944.2402TITLE: ACTUATOR, EH6, 0.5S@12/24VDC,
(+)FB@CLOSED, DR4

PART NO: 1CEFS-D01

DRAWING NO: 1CEFS-D01

REV: 2

SHEET: 3 OF 3

4

3

2

1