

Danfoss KE04109 Valve Drive Amplifier User Guide

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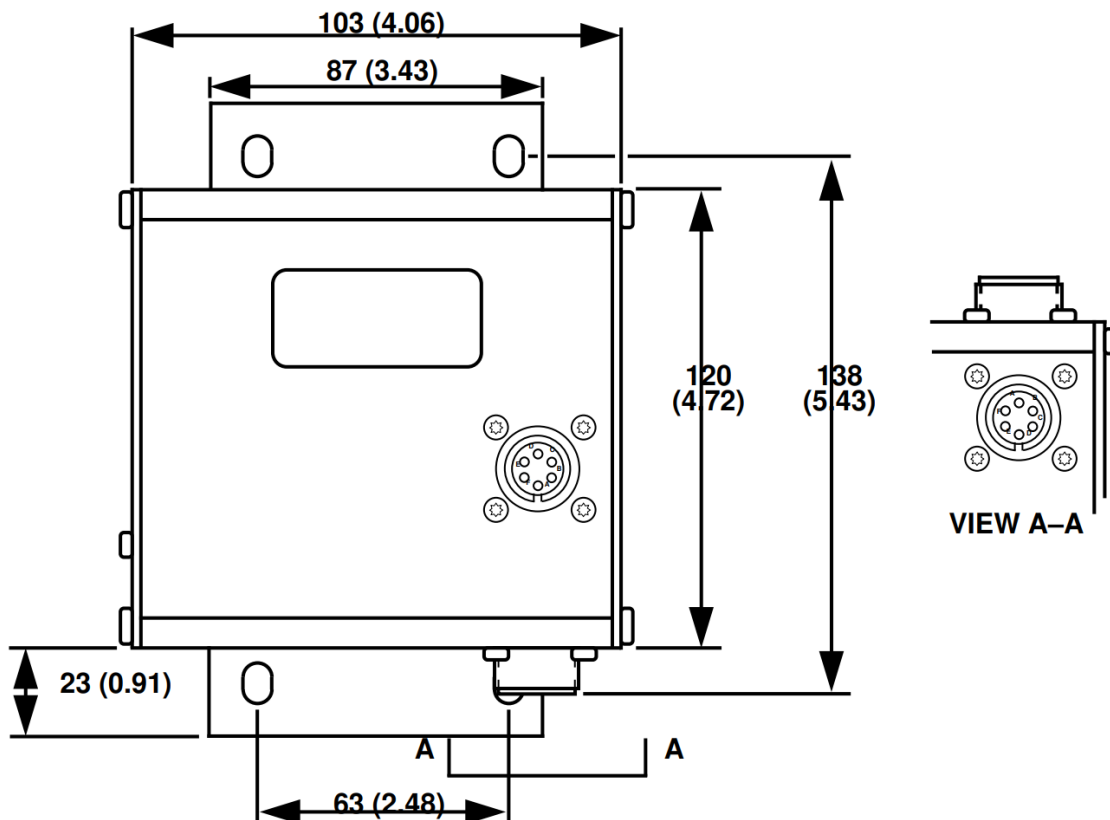


The device is a current amplifier powered by 24-Vdc. The input is variable from 4–20 mA and the output drives an Electrical Displacement Control (EDC) valve with a single coil in a single direction at 0–100 mA. The printed wiring board is mounted in an aluminum housing with 2 MS connectors.

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DIMENSIONS



Dimensions of the KE04109 in Millimeters (Inches).

OUTPUT CHARACTERISTICS

SUPPLY VOLTAGE

24 Vdc

INPUT IMPEDANCE

240 ohm

START CURRENT

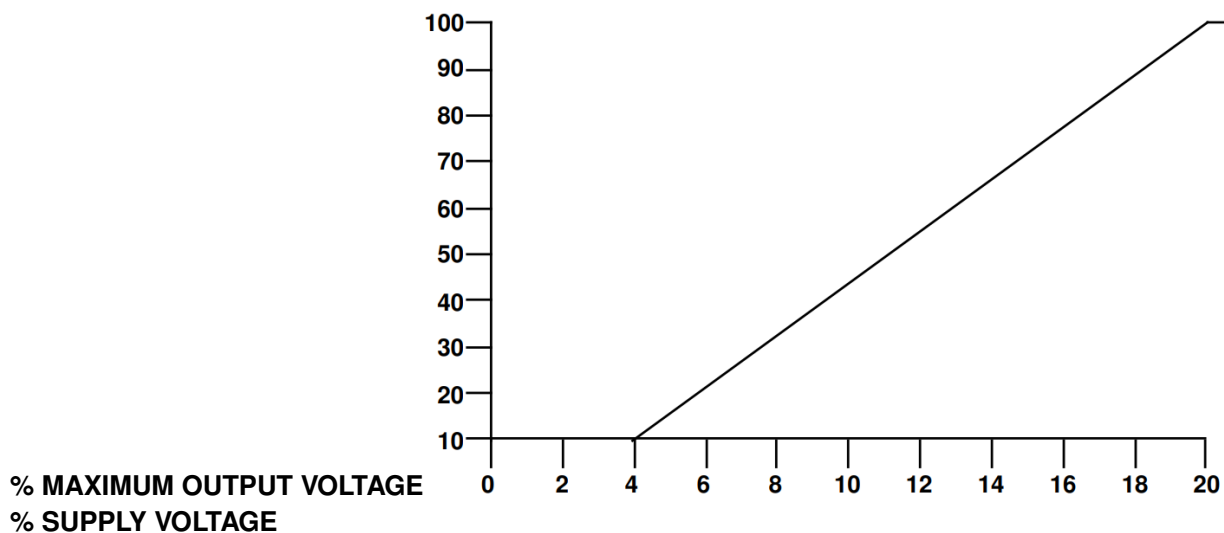
4 mA nominal (1 Volt)

FULL STROKE CURRENT

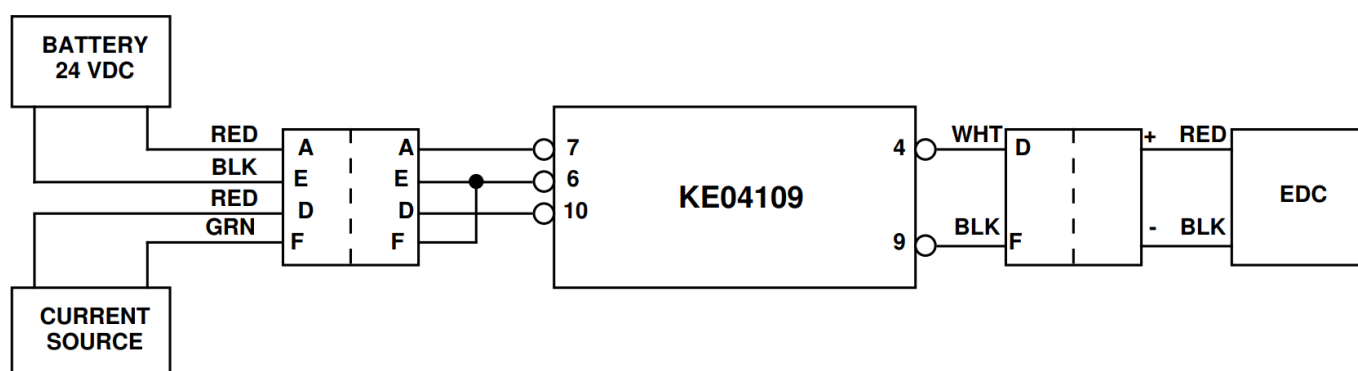
20 mA (4.8 Volt)

OUTPUT CURRENT

100 mA into a 25 ohm load



CONNECTION DIAGRAM



TERMINAL CONNECTIONS

6 CONDUCTOR PINS (GC-379-2-14S-6-P)

A = +24 Volts

B = Ground

D = 4 to 20 mA positive

F = 4 to 20 mA low (ground)

6 CONDUCTOR PINS (GC-379-2-14S-6-S)

D = Valve position

F = Valve low (ground)

Note: Connection will depend on pump direction of rotation and desired port used.

CONNECTORS

6 CONDUCTOR PINS* (GC-379-2-14S-6-P)

Mating connector MS3106F14S-6S

6 CONDUCTOR PINS* (GC-379-2-14S-6-S)

Mating connector MS3106F14S-6P

* Not supplied by Danfoss Company.

Contact: Glenair Inc. Phone: (818) 247-6000

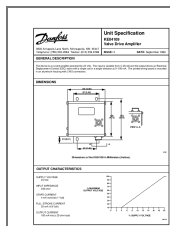
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Documents / Resources



[Danfoss KE04109 Valve Drive Amplifier](#) [pdf] User Guide
KE04109 Valve Drive Amplifier, KE04109, Valve Drive Amplifier, Drive Amplifier, Amplifier

References

- [User Manual](#)

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