NOTES:
1. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS]
2. PUMP HEAD MODULES ARE SHOWN FOR REF ONLY
3. UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE ±.02 [0.5].

FMI P/N HES6ST HALL EFFECT SENSOR

WHT +5VDC SUPPLY, 20mA MAX
BLU SIGNAL, 1.5 VOLTS, 10mA OUTPUT
GRN GROUND

22 AWG X 78" LONG

Fluid Metering Inc.
5 Aerial Way, Suite 500
Syosset, NY 11791

ST2QP 23-FRAME HIGH FLOW ADJUSTABLE (STANDARD)

DWG NO
600086

REV
G

SHT NO 1 OF 2
FMI P/N 300615 - 23 FRAME STEP MOTOR

MOTOR VALUE DATA ALL VALUES TYPICAL AT
40°C UNLESS OTHERWISE NOTED

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Bipolar 4-Lead Series</th>
<th>Bipolar 4-Lead Parallel</th>
<th>Unipolar 6-Lead</th>
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<tr>
<td>IC</td>
<td>AMPS</td>
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<td>Ke</td>
<td>Vpk/RAD/SEC</td>
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<td>Rp</td>
<td>OHMS</td>
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<tr>
<td>Th</td>
<td>OZ_IN (Nm)</td>
<td>116 (0.82)</td>
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<td>82 (0.58)</td>
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<tr>
<td>Tr</td>
<td>OZ_IN (Nm)</td>
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<td>Jm</td>
<td>OZ-IN-SEC (KG-M^10^-2)</td>
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<td>RTH</td>
<td>DEGREES C PER WATT</td>
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<tr>
<td>STEP ANGLE</td>
<td>DEGREES OF ROTATION</td>
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</table>

NOTES:
1. WITH RATED CURRENT APPLIED.
2. WINDINGS AT 130°C MOTOR UNMOUNTED IN STILL AIR AT 40°C (AMBIENT).
3. SMALL SIGNAL INDUCTANCE AS MEASURED AT WITH IMPEDANCE BRIDGE @ 1 KHZ, 1 AMP.
4. SUGGESTED MATING CONNECTOR AMP# 641653-8 OR EQUIVALENT.
5. INDICATED DIRECTION WHEN VIEWED FROM MOTOR DRIVE SHAFT END.
6. OPERATING TEMPERATURE -20°C TO +40°C.