MATING CYCLES: >500
TEMPERATURE RANGE: -40°C TO 90°C
PROTECTION: IP67 (MATED CONDITION)

4) RoHS COMPLIANT
3) MECHANICAL DATA:
   VIBRATION RESISTANCE PER MIL-STD-202 METHOD 204
   THERMAL SHOCK PER MIL-STD-202 METHOD 207
   48 HOUR SALT SPRAY PER MIL-STD-202 METHOD 101

5) UL 2237 LISTED ASSEMBLY
   UL FILE NUMBERS: E339703

1) MATERIALS:
   COUPLING NUT: MACHINED ALUMINUM, ANODIZED
   INSULATION INSERT: THERMOPLASTIC, UL 94/V-0
   CONTACT: GOLD FLASH PLATING OVER COPPER ALLOY
   OVERMOLD MATERIAL: THERMOPLASTIC  COLOR: BLACK
   CABLE RATING: UL LISTED DUAL RATED TC-ER/STOOW,
   CSA TYPE STOOW, FT4 FLAME RATING, 600V,
   90°C DRY & 75°C WET (TC-ER), 105°C (STOOW)
   CABLE JACKET MATERIAL: PVC  COLOR: BLACK
   CONDUCTOR INSULATION: PVC  COLOR: BLACK
   NUMBER OF CONDUCTORS: (4) 10AWG

2) ELECTRICAL DATA:
   CURRENT (MAX): 25A
   VOLTAGE (MAX): 600V AC/DC
   INSULATION RESISTANCE (MIN): 5000M OHMS
   DIELECTRIC TEST VOLTAGE: 2200V
   SHORT CIRCUIT AMPERAGE RATING: 65kA - BREAKERS AND FUSES

3) MECHANICAL DATA:
   TEMPERATURE RANGE: -40°C TO 90°C
   PROTECTION: IP67 (MATED CONDITION)
   MATING CYCLES: >500
   VIBRATION RESISTANCE PER MIL-STD-202 METHOD 204
   THERMAL SHOCK PER MIL-STD-202 METHOD 207
   48 HOUR SALT SPRAY PER MIL-STD-202 METHOD 101

4) RoHS COMPLIANT
5) UL 2237 LISTED ASSEMBLY
   UL FILE NUMBERS: E339703

Amphenol P/N  ROCKWELL P/N  MOLEX  TURCK

P28976-M*  280-PWRM35A-M*  CC4030A48M*  GSDAGKD40-*M
P28976-M1  280-PWRM35A-M10  CC4030A48M10  GSDAGKD40-010M
P28976-M2  280-PWRM35A-M020  CC4030A48M020  GSDAGKD40-020M
P28976-M3  280-PWRM35A-M030  CC4030A48M030  GSDAGKD40-030M
P28976-M5  280-PWRM35A-M050  CC4030A48M050  GSDAGKD40-050M
P28976-M10  280-PWRM35A-M100  CC4030A48M100  GSDAGKD40-100M

M35 POWERBOSS LITE, 4 PIN, M/F,
10 AWG, TC-ER/STOOW, PVC JACKET

TOLERANCE

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>0-2.99 M = +100.0/-25.0mm</td>
<td>0-9.99 FT = +4&quot;/-1&quot;</td>
</tr>
<tr>
<td>3-8.99 M = +150.0/-25.0mm</td>
<td>10.00-29.99 FT = +6&quot;/-1&quot;</td>
</tr>
<tr>
<td>9-14.99 M = +300.0/-25.0mm</td>
<td>30.00-49.99 FT = +12&quot;/-1&quot;</td>
</tr>
<tr>
<td>15-OVER M = +450.0/-25.0mm</td>
<td>50 FT-OVER = +18&quot;/-1&quot;</td>
</tr>
</tbody>
</table>

MATERIAL SPECIFICATIONS

1) Dimensions and wire assignments are for reference only. Design changes are possible. Consult Amphenol Sine Systems for complete dimensional specifications and performance testing. All specifications are subject to corrosion and wear limitations. Dimensions are subject to normal manufacturing variations.

PRODUCT SPECIFICATIONS

1) This drawing is supplied for information only. Design changes are possible. Consult Amphenol Sine Systems for complete dimensional specifications and performance testing. All specifications are subject to wear limitations. Dimensions are subject to normal manufacturing variations.